INTERIM MEASURES REPORT

Removal and Bioremediation of Contaminated Soil from Mine Fill B

Supplementary Binder #2
Appendix I: Windrow Recipes, Field Monitoring Results, and Day Zero and Day Last Sample Results Summary
Windrows 155 through 216

Full-Scale Bioremediation
NSWC Crane
Crane, Indiana

Revision 2

November 2003

Southern Division
Naval Facilities Engineering Command
North Charleston, South Carolina
29419-9010

TOLTEST, INC.

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-155 Day 0: 04/12/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3	5720	12.5	2670	5.275	11605	20.525	19995
2	3.25	5860	12.25	2580	5.275	11605	20.775	20045
3	3.15	5820	12	2380	5.275	11605	20.425	19805
4	3.25	5870	12.5	2610	5.275	11605	21.025	20085
5	3.15	5810	12	2470	5.275	11605	20.425	19885
6	3.4	5900	12	2440	5.275	11605	20.675	19945
7	3.15	5800	12.25	2580	5.275	11605	20.675	19985
8	3	5720	12	2470	5.275	11605	20.275	19795
9	3.15	5830	12.25	2590	5.275	11605	20.675	20025
10	3	5690	11.9	2350	5.275	11605	20.175	19645
11	3.2	5870	12	2440	5.275	11605	20.475	19915
12	3.4	5900	12	2390	5.275	11605	20.675	19895
13	3.4	5920	11.95	2610	5.275	11605	20.625	20135
14	3.1	5780	12	2370	5.275	11605	20.375	19755
15	3.3	5820	12	2430	5.275	11605	20.575	19855
16	3.3	5810	12.1	2480	5.275	11605	20.675	19895
17	3.4	5920	12	2410	5.275	11605	20.675	19935
18	3.1	5710	12	2390	5.275	11605	20.375	19705
19	3.1	5790	11.9	2320	5.275	11605	20.275	19715
20	3.75	5910	12	2470	5.275	11605	21.025	19985
21	3.1	5750	12	2450	5.275	11605	20.375	19805
22	3.75	5900	11.6	2200	5.275	11605	20.625	19705
23	3.25	5900	13	2600	5.275	11605	21.525	20105
24	3.1	5700	12	2400	5.275	11605	20.375	19705
25	3.25	5800	11.7	2300	5.275	11605	20.225	19705
26	3.75	5900	12.5	2500	5.275	11605	21.525	20005
27	3.25	5800	11.7	2300	5.275	11605	20.225	19705
28	3.75	5900	13	2600	5.275	11605	22.025	20105
29	3.25	5800	11.7	2300	5.275	11605	20.225	19705
30	3.75	5900	12.5	2500	5.275	11605	21.525	20005
31	3.25	5800	13	2600	5.275	11605	21.525	20005
32	3.9	6000	12	2400	5.275	11605	21.175	20005
33	4	6110	12	2470	5.275	11605	21.275	20185
34	3.1	5770	12	2370	5.275	11605	20.375	19745
35	3	5680	12	2410	5.275	11605	20.275	19695
36	3.25	5790	13	2600	5.275	11605	21.525	19995
37					5.275	11605	5.275	11605
38					5.275	11605	5.275	11605
39					5.275	11605	5.275	11605
40					5.275	11605	5.275	11605
Total	119.25	209950	437.3	88450	211.00	464200	767.3	762600

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 5/5

PERFORMED BY: _____

DATE: 4/1/00

INSPECTED BY: _____

Design Quantity: Chicken Manure_____CY _____Pounds
Straw_____CY_____Pounds
Soil_____CY_____Pounds

Batch Number	CHICKEN MANURE Supplier:_____		STRAW Supplier:_____		SOIL Location:_____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	B	5820	12.50	2670				
2	3.25	5860	12.25	2580				
3	3.15	5820	12	2380				
4	3.25	5870	12.50	2610				
5	3.15	5810	12	2470				
6	3.40	5900	12	2440				
7	3.15	5800	12.25	2580				
8	3	5720	12	2470				
9	3.15	5830	12.25	2590				
10	3	5690	11.90	2350				
11	3.20	5870	12	2440				
12	3.40	5900	12	2390				
13	3.40	5920	11.55	2610				
14	3.10	5780	12	2370				
15	3.3	5820	12	2430				
16	3.2	5810	12.1	2480				
17	3.4	5920	12	2410				
18	3.1	5710	12	2390				
19	3.1	5790	11.9	2320				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # _____ Windrow # 3/55 PERFORMED BY: _____

DATE: 4/7/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 500 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3 75	5910	12	2470				
21	3 10	5756	12	2450				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 155 PERFORMED BY: J. Holden

DATE: 4/11/00 INSPECTED BY: _____

Design Quantity: Chicken Manure_____CY _____Pounds
Straw_____CY_____Pounds
Soil_____CY_____Pounds

Batch Number	CHICKEN MANURE Supplier: Wabash Valley Farms		STRAW Supplier: Windsmith Farms		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.75	5900	11.60	2200				
2	3.25	5900	13	2600				
3	3.10	5700	12	2400				
4	3.25	5800	11.70	2300				
5	3.25	5900	12.5	2500				
6	3.25	5800	11.70	2300				
7	3.75	5900	13	2600				
8	3.25	5800	11.70	2300				
9	3.75	5900	12.50	2500				
10	3.25	5800	13	2600				
11	3.90	6000	12	2400				
12	4.00	6110	12	2470				
13	3.10	5720	12	2370				
14	3	6680	12	2410				
15	3.25	5790	13	2600				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
S155	4/12/00	4/12/00	0		32.97
		4/13/00	1	54.67	48.90
		4/14/00	2	59.23	55.57
		4/15/00	3	60.77	61.23
		4/16/00	4	64.43	59.70
		4/17/00	5	66.77	59.00
		4/18/00	6	64.40	63.40
		4/19/00	7	64.10	60.23
		4/20/00	8	69.43	60.93
		4/21/00	9	65.47	57.20
		4/22/00	10	63.13	60.47
		4/23/00	11	68.07	60.47

All average temperatures are in degrees centigrade

Friday, June 28, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S155	4/12/00	4/17/00	5		10.73
		4/18/00	6	10.40	8.50
		4/19/00	7	13.13	12.43
		4/20/00	8	11.60	12.77
		4/21/00	9	12.37	13.40
		4/22/00	10	12.67	13.90
		4/23/00	11	8.67	16.60

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (%)	POST-Turn (%)
S155	4/12/00	4/12/00	0		55.52
		4/14/00	2		52.46
		4/17/00	5		50.84
		4/20/00	8		49.44

All average MWHC values are expressed in percent

Windrow Number: S155 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	04/12/00	04/24/00	12	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
135TNB	04/12/00	04/24/00	12	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
135TNB	04/12/00	04/24/00	12	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
135TNB	04/12/00	04/24/00	12	09	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*492*
135TNB	04/12/00	04/24/00	12	11	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*476*

Average Concentration for Windrow on Day 12 : ***494***

Standard Deviation: ***11***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: S155 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
13DNB	04/12/00	04/24/00	12	03	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*500*
13DNB	04/12/00	04/24/00	12	05	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*500*
13DNB	04/12/00	04/24/00	12	07	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*500*
13DNB	04/12/00	04/24/00	12	09	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 09 :			*492*
13DNB	04/12/00	04/24/00	12	11	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 11 :			*476*

Average Concentration for Windrow on Day 12 : ***494***

Standard Deviation: ***11***

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: S155 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
246TNT	04/12/00	04/24/00	12	03	1	LT 500	
					2	LT 500	
					3	528	
				Average Concentration for Cross Section 03 :			*509*
246TNT	04/12/00	04/24/00	12	05	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*500*
246TNT	04/12/00	04/24/00	12	07	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*500*
246TNT	04/12/00	04/24/00	12	09	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*492*
246TNT	04/12/00	04/24/00	12	11	1	LT 476	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*476*

Average Concentration for Windrow on Day 12 : 495

Standard Deviation: 14

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S155 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
24DNT	04/12/00	04/24/00	12	03	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*500*
24DNT	04/12/00	04/24/00	12	05	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*500*
24DNT	04/12/00	04/24/00	12	07	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*500*
24DNT	04/12/00	04/24/00	12	09	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 09 :			*492*
24DNT	04/12/00	04/24/00	12	11	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 11 :			*476*

Average Concentration for Windrow on Day 12 : 494

Standard Deviation: 11

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S155 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	04/12/00	04/24/00	12	03	1	LT 500	
					2	LT 500	
					3	LT 500	
					Average Concentration for Cross Section 03 :		*500*
26DNT	04/12/00	04/24/00	12	05	1	LT 500	
					2	LT 500	
					3	LT 500	
					Average Concentration for Cross Section 05 :		*500*
26DNT	04/12/00	04/24/00	12	07	1	LT 500	
					2	LT 500	
					3	LT 500	
					Average Concentration for Cross Section 07 :		*500*
26DNT	04/12/00	04/24/00	12	09	1	LT 500	
					2	LT 500	
					3	LT 476	
					Average Concentration for Cross Section 09 :		*492*
26DNT	04/12/00	04/24/00	12	11	1	LT 476	
					2	LT 476	
					3	LT 476	
					Average Concentration for Cross Section 11 :		*476*

Average Concentration for Windrow on Day 12 : 494

Standard Deviation: 11

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: S155 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	04/12/00	04/24/00	12	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
2A46DT	04/12/00	04/24/00	12	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
2A46DT	04/12/00	04/24/00	12	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
2A46DT	04/12/00	04/24/00	12	09	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*492*
2A46DT	04/12/00	04/24/00	12	11	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*476*

Average Concentration for Windrow on Day 12 : ***494***

Standard Deviation: ***11***

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: S155 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	04/12/00	04/24/00	12	03	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*500*
2NT	04/12/00	04/24/00	12	05	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*500*
2NT	04/12/00	04/24/00	12	07	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*500*
2NT	04/12/00	04/24/00	12	09	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*492*
2NT	04/12/00	04/24/00	12	11	1	LT 476	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*476*

Average Concentration for Windrow on Day 12 : ***494***

Standard Deviation: ***11***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: S155

3-NITROTOLUENE Results

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
3NT	04/12/00	04/24/00	12	03	1	LT	500	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 03 :			*500*
3NT	04/12/00	04/24/00	12	05	1	LT	500	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 05 :			*500*
3NT	04/12/00	04/24/00	12	07	1	LT	500	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 07 :			*500*
3NT	04/12/00	04/24/00	12	09	1	LT	500	
					2	LT	500	
					3	LT	476	
					Average Concentration for Cross Section 09 :			*492*
3NT	04/12/00	04/24/00	12	11	1	LT	476	
					2	LT	476	
					3	LT	476	
					Average Concentration for Cross Section 11 :			*476*

Average Concentration for Windrow on Day 12 : ***494***

Standard Deviation: ***11***

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: S155 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	04/12/00	04/24/00	12	03	1	LT	500	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 03 :			*500*
4A26DT	04/12/00	04/24/00	12	05	1	LT	500	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 05 :			*500*
4A26DT	04/12/00	04/24/00	12	07	1	LT	500	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 07 :			*500*
4A26DT	04/12/00	04/24/00	12	09	1	LT	500	
					2	LT	500	
					3	LT	476	
					Average Concentration for Cross Section 09 :			*492*
4A26DT	04/12/00	04/24/00	12	11	1	LT	476	
					2	LT	476	
					3	LT	476	
					Average Concentration for Cross Section 11 :			*476*

Average Concentration for Windrow on Day 12 : 494

Standard Deviation: 11

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: S155

4-NITROTOLUENE Results

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4NT	04/12/00	04/24/00	12	03	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*500*
4NT	04/12/00	04/24/00	12	05	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*500*
4NT	04/12/00	04/24/00	12	07	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*500*
4NT	04/12/00	04/24/00	12	09	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 09 :			*492*
4NT	04/12/00	04/24/00	12	11	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 11 :			*476*

Average Concentration for Windrow on Day 12 : ***494***

Standard Deviation: ***11***

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: S155 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
HMX	04/12/00	04/24/00	12	03	1	LT 500	
					2	354 J	
					3	577	
				Average Concentration for Cross Section 03 :			*477*
HMX	04/12/00	04/24/00	12	05	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*500*
HMX	04/12/00	04/24/00	12	07	1	LT 500	
					2	LT 500	
					3	256 J	
				Average Concentration for Cross Section 07 :			*419*
HMX	04/12/00	04/24/00	12	09	1	LT 500	
					2	1060	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*679*
HMX	04/12/00	04/24/00	12	11	1	LT 476	
					2	187 J	
					3	710	
				Average Concentration for Cross Section 11 :			*458*

Average Concentration for Windrow on Day 12 : 506

Standard Deviation: 197

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: S155 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	04/12/00	04/24/00	12	03	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*500*
NB	04/12/00	04/24/00	12	05	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*500*
NB	04/12/00	04/24/00	12	07	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*500*
NB	04/12/00	04/24/00	12	09	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*492*
NB	04/12/00	04/24/00	12	11	1	LT 476	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*476*

Average Concentration for Windrow on Day 12 : ***494***

Standard Deviation: ***11***

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: S155 *RDX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
RDX	04/12/00	04/24/00	12	03	1	LT	500	
					2		296 J	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*432*
RDX	04/12/00	04/24/00	12	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
RDX	04/12/00	04/24/00	12	07	1	LT	500	
					2	LT	500	
					3		511	
				Average Concentration for Cross Section 07 :				*504*
RDX	04/12/00	04/24/00	12	09	1	LT	500	
					2		2540	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*1172*
RDX	04/12/00	04/24/00	12	11	1	LT	476	
					2	LT	476	
					3		3290	
				Average Concentration for Cross Section 11 :				*1414*

Average Concentration for Windrow on Day 12 : ***804***

Standard Deviation: ***870***

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: S155 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
TETRYL	04/12/00	04/24/00	12	03	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*500*
TETRYL	04/12/00	04/24/00	12	05	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*500*
TETRYL	04/12/00	04/24/00	12	07	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*500*
TETRYL	04/12/00	04/24/00	12	09	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 09 :			*492*
TETRYL	04/12/00	04/24/00	12	11	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 11 :			*476*

Average Concentration for Windrow on Day 12 : 494

Standard Deviation: 11

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-156 Day 0: 04/19/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5760	12.1	2450	5.275	11605	20.475	19815
2	3.15	5840	12.1	2490	5.275	11605	20.525	19935
3	3.15	5800	12.25	2520	5.275	11605	20.675	19925
4	3.2	5880	12.4	2610	5.275	11605	20.875	20095
5	3.1	5770	12.5	2670	5.275	11605	20.875	20045
6	3.15	5790	12.1	2520	5.275	11605	20.525	19915
7	3	5710	12	2420	5.275	11605	20.275	19735
8	3	5670	12	2380	5.275	11605	20.275	19655
9	3.15	5790	12.25	2560	5.275	11605	20.675	19955
10	3.15	5800	12.5	2640	5.275	11605	20.925	20045
11	3.1	5770	12.1	2560	5.275	11605	20.475	19935
12	3	5690	12.5	2650	5.275	11605	20.775	19945
13	3	5700	12.1	2550	5.275	11605	20.375	19855
14	3.5	5900	12.5	2750	5.275	11605	21.275	20255
15	3.1	5730	12.15	2540	5.275	11605	20.525	19875
16	3.1	5700	12.1	2460	5.275	11605	20.475	19765
17	3.1	5740	12	2400	5.275	11605	20.375	19745
18	3.1	5790	12.1	2470	5.275	11605	20.475	19865
19	3.15	5820	12.1	2490	5.275	11605	20.525	19915
20	3.1	5790	12.1	2470	5.275	11605	20.475	19865
21	3.1	5740	12.1	2440	5.275	11605	20.475	19785
22	3.1	5730	12.1	2460	5.275	11605	20.475	19795
23	3.15	5830	12.1	2420	5.275	11605	20.525	19855
24	3.1	5710	12.1	2450	5.275	11605	20.475	19765
25	3.1	5760	12.15	2580	5.275	11605	20.525	19945
26	3	5700	12.1	2430	5.275	11605	20.375	19735
27	3.15	5840	12.1	2470	5.275	11605	20.525	19915
28	3.1	5770	12.15	2590	5.275	11605	20.525	19965
29	3.1	5790	12.1	2450	5.275	11605	20.475	19845
30	3.1	5780	12	2400	5.275	11605	20.375	19785
31	3.15	5830	12.1	2460	5.275	11605	20.525	19895
32	3.1	5720	12.1	2430	5.275	11605	20.475	19755
33	3.15	5840	12.1	2470	5.275	11605	20.525	19915
34	3.1	5780	12.1	2440	5.275	11605	20.475	19825
35	3.1	5760	12.15	2570	5.275	11605	20.525	19935
36	3.1	5720	12	2400	5.275	11605	20.375	19725
37	3.1	5790	12.15	2550	5.275	11605	20.525	19945
38	3.1	5740	12.1	2480	5.275	11605	20.475	19825
39	3.15	5830	12.1	5740	5.275	11605	20.525	23175
40	3.1	5790	12.15	5810	5.275	11605	20.525	23205
Total	124.55	230890	486	106640	211.00	464200	821.55	801730

RECORD OF RECIPE (MIX NO. 7B)

Building # 21 Windrow # 21-56 PERFORMED BY: Howard

DATE: 4/18/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5760	12.10	2450				
2	3.15	5840	12.10	2490				
3	3.15	5800	12.25	2520				
4	3.20	5890	12.40	2610				
5	3.10	5770	12.50	2670				
6	3.15	5790	12.10	2520				
7	3	5710	12	2420				
8	3	5670	12	2380				
9	3.15	5790	12.25	2560				
10	3.15	5800	12.50	2640				
11	3.10	5770	12.10	2560				
12	3	5690	12.50	2650				
13	3	5700	12.10	2550				
14	3.50	5500	12.50	2750				
15	3.10	5730	12.15	2540				
16	3.00	5700	12.10	2460				
17	3.10	5740	12	2400				
18	3.10	5790	12.10	2470				
19	3.15	5820	12.10	2490				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # M-56 PERFORMED BY: Howard

DATE: 4/18/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5790	12.10	2470				
2	3.10	5740	12.10	2440				
3	3.10	5730	12.10	2460				
4	3.15	5830	12.10	2420				
5	3.10	5710	12.10	2450				
6	3.10	5760	12.15	2580				
7	3	5700	12.10	2430				
8	3.15	5840	12.10	2470				
9	3.10	5770	12.15	2580				
10	3.10	5790	12.10	2450				
11	3.10	5750	12	2400				
12	3.15	5830	12.10	2460				
13	3.10	5720	12.10	2430				
14	3.15	5840	12.10	2470				
15	3.10	5780	12.10	2440				
16	3.10	5760	12.15	2570				
17	3.10	5720	12	2400				
18	3.10	5790	12.15	2550				
19	3.10	5740	12.10	2480				
20								

Comments:

2

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # M-156 PERFORMED BY: Howard

DATE: 4/19/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.15	5830	12.10	5740				
21	3.10	5790	12.15	5840				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
M156	4/19/00	4/19/00	0		37.70
		4/20/00	1	57.33	44.77
		4/21/00	2	59.83	53.70
		4/22/00	3	62.03	58.03
		4/23/00	4	65.07	63.03
		4/24/00	5	64.90	61.43
		4/25/00	6	66.57	62.10
		4/26/00	7	67.63	57.80
		4/27/00	8	66.77	60.07

All average temperatures are in degrees centigrade

Friday, June 28, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M156	4/19/00	4/19/00	0		11.23
		4/20/00	1	7.67	9.23
		4/21/00	2	12.17	12.27
		4/22/00	3	12.70	16.97
		4/23/00	4	15.47	14.30
		4/24/00	5	12.33	11.27
		4/25/00	6	13.27	12.93
		4/26/00	7	13.53	11.90
		4/27/00	8	15.70	7.83

All average Oxygen values are expressed as a percent

Friday, June 28, 2002

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M156	4/19/00	4/19/00	0		59.98
		4/20/00	1		61.26
		4/21/00	2		
		4/22/00	3		
		4/23/00	4		
		4/24/00	5		52.32
		4/25/00	6		45.42
		4/26/00	7		
		4/27/00	8		

All average MWHC values are expressed in percent

Windrow Number: M156 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	04/19/00	04/28/00	9	03	1	LT	454	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*469*
135TNB	04/19/00	04/28/00	9	05	1	LT	500	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*477*
135TNB	04/19/00	04/28/00	9	07	1	LT	435	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*463*
135TNB	04/19/00	04/28/00	9	09	1	LT	435	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*478*
135TNB	04/19/00	04/28/00	9	11	1	LT	476	
					2	LT	500	
					3	LT	385	
				Average Concentration for Cross Section 11 :				*454*

Average Concentration for Windrow on Day 9 : 468

Standard Deviation: 34

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M156 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	04/19/00	04/28/00	9	03	1	LT	454	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*469*
13DNB	04/19/00	04/28/00	9	05	1	LT	500	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*477*
13DNB	04/19/00	04/28/00	9	07	1	LT	435	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*463*
13DNB	04/19/00	04/28/00	9	09	1	LT	435	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*478*
13DNB	04/19/00	04/28/00	9	11	1	LT	476	
					2	LT	500	
					3	LT	385	
				Average Concentration for Cross Section 11 :				*454*

Average Concentration for Windrow on Day 9 : ***468***

Standard Deviation: ***34***

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M156 *2,4,6-TRINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
246TNT	04/19/00	04/28/00	9	03	1	LT	454	
					2	LT	454	
					3		3220	
				Average Concentration for Cross Section 03 :				*1376*
246TNT	04/19/00	04/28/00	9	05	1		661	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*530*
246TNT	04/19/00	04/28/00	9	07	1	LT	435	
					2	LT	454	
					3		148 J	
				Average Concentration for Cross Section 07 :				*346*
246TNT	04/19/00	04/28/00	9	09	1	LT	435	
					2		206 J	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*380*
246TNT	04/19/00	04/28/00	9	11	1	LT	476	
					2	LT	500	
					3	LT	385	
				Average Concentration for Cross Section 11 :				*454*

Average Concentration for Windrow on Day 9 : ***617***

Standard Deviation: ***730***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M156 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	04/19/00	04/28/00	9	03	1	LT	454	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*469*
24DNT	04/19/00	04/28/00	9	05	1	LT	500	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*477*
24DNT	04/19/00	04/28/00	9	07	1	LT	435	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*463*
24DNT	04/19/00	04/28/00	9	09	1	LT	435	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*478*
24DNT	04/19/00	04/28/00	9	11	1	LT	476	
					2	LT	500	
					3	LT	385	
				Average Concentration for Cross Section 11 :				*454*

Average Concentration for Windrow on Day 9 : 468

Standard Deviation: 34

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M156 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
26DNT	04/19/00	04/28/00	9	03	1	LT	454
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 03 :			*469*
26DNT	04/19/00	04/28/00	9	05	1	LT	500
					2	LT	454
					3	LT	476
				Average Concentration for Cross Section 05 :			*477*
26DNT	04/19/00	04/28/00	9	07	1	LT	435
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 07 :			*463*
26DNT	04/19/00	04/28/00	9	09	1	LT	435
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*478*
26DNT	04/19/00	04/28/00	9	11	1	LT	476
					2	LT	500
					3	LT	385
				Average Concentration for Cross Section 11 :			*454*

Average Concentration for Windrow on Day 9 : ***468***

Standard Deviation: ***34***

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M156 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	04/19/00	04/28/00	9	03	1	LT	454
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 03 :			*469*
2A46DT	04/19/00	04/28/00	9	05	1	LT	500
					2	LT	454
					3	LT	476
				Average Concentration for Cross Section 05 :			*477*
2A46DT	04/19/00	04/28/00	9	07	1	LT	435
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 07 :			*463*
2A46DT	04/19/00	04/28/00	9	09	1	LT	435
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*478*
2A46DT	04/19/00	04/28/00	9	11	1	LT	476
					2	LT	500
					3	LT	385
				Average Concentration for Cross Section 11 :			*454*

Average Concentration for Windrow on Day 9 : 468

Standard Deviation: 34

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M156 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	04/19/00	04/28/00	9	03	1	LT	454
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 03 :			*469*
2NT	04/19/00	04/28/00	9	05	1	LT	500
					2	LT	454
					3	LT	476
				Average Concentration for Cross Section 05 :			*477*
2NT	04/19/00	04/28/00	9	07	1	LT	435
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 07 :			*463*
2NT	04/19/00	04/28/00	9	09	1	LT	435
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*478*
2NT	04/19/00	04/28/00	9	11	1	LT	476
					2	LT	500
					3	LT	385
				Average Concentration for Cross Section 11 :			*454*

Average Concentration for Windrow on Day 9 : ***468***

Standard Deviation: *34*

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: M156 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
3NT	04/19/00	04/28/00	9	03	1	LT	454
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 03 :			*469*
3NT	04/19/00	04/28/00	9	05	1	LT	500
					2	LT	454
					3	LT	476
				Average Concentration for Cross Section 05 :			*477*
3NT	04/19/00	04/28/00	9	07	1	LT	435
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 07 :			*463*
3NT	04/19/00	04/28/00	9	09	1	LT	435
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*478*
3NT	04/19/00	04/28/00	9	11	1	LT	476
					2	LT	500
					3	LT	385
				Average Concentration for Cross Section 11 :			*454*

Average Concentration for Windrow on Day 9 : ***468***

Standard Deviation: *34*

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: M156 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4A26DT	04/19/00	04/28/00	9	03	1	LT 454	
					2	LT 454	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*469*
4A26DT	04/19/00	04/28/00	9	05	1	LT 500	
					2	LT 454	
					3	LT 476	
				Average Concentration for Cross Section 05 :			*477*
4A26DT	04/19/00	04/28/00	9	07	1	LT 435	
					2	LT 454	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*463*
4A26DT	04/19/00	04/28/00	9	09	1	LT 435	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*478*
4A26DT	04/19/00	04/28/00	9	11	1	LT 476	
					2	LT 500	
					3	118 J	
				Average Concentration for Cross Section 11 :			*365*

Average Concentration for Windrow on Day 9 : ***450***

Standard Deviation: ***95***

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M156 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4NT	04/19/00	04/28/00	9	03	1	LT	454
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 03 :			*469*
4NT	04/19/00	04/28/00	9	05	1	LT	500
					2	LT	454
					3	LT	476
				Average Concentration for Cross Section 05 :			*477*
4NT	04/19/00	04/28/00	9	07	1	LT	435
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 07 :			*463*
4NT	04/19/00	04/28/00	9	09	1	LT	435
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*478*
4NT	04/19/00	04/28/00	9	11	1	LT	476
					2	LT	500
					3	LT	385
				Average Concentration for Cross Section 11 :			*454*

Average Concentration for Windrow on Day 9 : ***468***

Standard Deviation: *34*

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M156 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
HMX	04/19/00	04/28/00	9	03	1		596	
					2		5870	
					3		3420	
				Average Concentration for Cross Section 03 :				*3295*
HMX	04/19/00	04/28/00	9	05	1		381 J	
					2		1200	
					3		560	
				Average Concentration for Cross Section 05 :				*714*
HMX	04/19/00	04/28/00	9	07	1		192 J	
					2		602	
					3		1280	
				Average Concentration for Cross Section 07 :				*691*
HMX	04/19/00	04/28/00	9	09	1	LT	435	
					2		1460	
					3		4590	
				Average Concentration for Cross Section 09 :				*2162*
HMX	04/19/00	04/28/00	9	11	1	LT	476	
					2		408 J	
					3		2720	
				Average Concentration for Cross Section 11 :				*1201*

Average Concentration for Windrow on Day 9 : 1613

Standard Deviation: 1745

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M156 *NITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
NB	04/19/00	04/28/00	9	03	1	LT	454
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 03 :			*469*
NB	04/19/00	04/28/00	9	05	1	LT	500
					2	LT	454
					3	LT	476
				Average Concentration for Cross Section 05 :			*477*
NB	04/19/00	04/28/00	9	07	1	LT	435
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 07 :			*463*
NB	04/19/00	04/28/00	9	09	1	LT	435
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*478*
NB	04/19/00	04/28/00	9	11	1	LT	476
					2	LT	500
					3	LT	385
				Average Concentration for Cross Section 11 :			*454*

Average Concentration for Windrow on Day 9 : ***468***

Standard Deviation: *34*

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M156 *RDX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*		*Concentration*	UGKG
RDX	04/19/00	04/28/00	9	03	1		411 J	
					2		3960	
					3		4280	
				Average Concentration for Cross Section 03 :				*2884*
RDX	04/19/00	04/28/00	9	05	1		396 J	
					2		412 J	
					3		458 J	
				Average Concentration for Cross Section 05 :				*422*
RDX	04/19/00	04/28/00	9	07	1	LT	435	
					2		1680	
					3		1010	
				Average Concentration for Cross Section 07 :				*1042*
RDX	04/19/00	04/28/00	9	09	1	LT	435	
					2		509	
					3		2960	
				Average Concentration for Cross Section 09 :				*1301*
RDX	04/19/00	04/28/00	9	11	1		476	
					2		248 J	
					3		683	
				Average Concentration for Cross Section 11 :				*469*

Average Concentration for Windrow on Day 9 : ***1224***

Standard Deviation: ***1369***

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M156 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
TETRYL	04/19/00	04/28/00	9	03	1	LT	454	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*469*
TETRYL	04/19/00	04/28/00	9	05	1	LT	500	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*477*
TETRYL	04/19/00	04/28/00	9	07	1	LT	435	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*463*
TETRYL	04/19/00	04/28/00	9	09	1	LT	435	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*478*
TETRYL	04/19/00	04/28/00	9	11	1	LT	476	
					2	LT	500	
					3	LT	385	
				Average Concentration for Cross Section 11 :				*454*

Average Concentration for Windrow on Day 9 : ***468***

Standard Deviation: ***34***

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-157 Day 0: 04/26/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5740	12.1	2470	5.275	11605	20.475	19815
2	3.15	5810	12.1	2490	5.275	11605	20.525	19905
3	3.1	5750	12	2400	5.275	11605	20.375	19755
4	3.1	5770	12.1	2460	5.275	11605	20.475	19835
5	3	5700	12	2430	5.275	11605	20.275	19735
6	3.1	5790	12.1	2490	5.275	11605	20.475	19885
7	3	5700	12.1	2420	5.275	11605	20.375	19725
8	3.1	5780	12	2400	5.275	11605	20.375	19785
9	3.1	5760	12.1	2480	5.275	11605	20.475	19845
10	3.15	5840	12.1	2470	5.275	11605	20.525	19915
11	3.1	5720	12.15	2540	5.275	11605	20.525	19865
12	3.1	5790	12.1	2460	5.275	11605	20.475	19855
13	3.1	5750	12.2	2590	5.275	11605	20.575	19945
14	3.1	5720	12.25	2630	5.275	11605	20.625	19955
15	3.15	5830	12.1	2470	5.275	11605	20.525	19905
16	3.1	5770	12.1	2440	5.275	11605	20.475	19815
17	3.1	5750	12.1	2430	5.275	11605	20.475	19785
18	3.15	5820	12.15	2540	5.275	11605	20.575	19965
19	3.1	5710	12.1	2480	5.275	11605	20.475	19795
20	3.1	5750	12	2400	5.275	11605	20.375	19755
21	3.1	5780	12.1	2460	5.275	11605	20.475	19845
22	3.1	5730	12.05	2570	5.275	11605	20.425	19905
23	3.1	5790	12.15	2550	5.275	11605	20.525	19945
24	3.15	5840	12.1	2490	5.275	11605	20.525	19935
25	3.15	5810	12.4	2600	5.275	11605	20.825	20015
26	3.25	6000	12.75	2750	5.275	11605	21.275	20355
27	3.25	5980	12	2380	5.275	11605	20.525	19965
28	3.25	5880	12.4	2670	5.275	11605	20.925	20155
29	3.2	5790	12.25	2580	5.275	11605	20.725	19975
30	3.2	5840	12.25	2620	5.275	11605	20.725	20065
31	3.25	5890	12.75	2790	5.275	11605	21.275	20285
32	3	5710	12	2420	5.275	11605	20.275	19735
33	3.25	5890	12.4	2620	5.275	11605	20.925	20115
34	3.25	5780	12.75	2780	5.275	11605	21.275	20165
35	3.25	5870	12.1	2480	5.275	11605	20.625	19955
36	2.9	5650	12	22360	5.275	11605	20.175	39615
37	3.15	5810	12.4	2670	5.275	11605	20.825	20085
38	3.25	6000	12.25	2550	5.275	11605	20.775	20155
39	3.2	5860	12	2410	5.275	11605	20.475	19875
40	3.25	5970	12.4	2620	5.275	11605	20.925	20195
Total	125.5	232120	487.45	120860	211.00	464200	823.95	817180

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 31157 PERFORMED BY: _____

DATE: 4/25/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5200 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: Wabash Valley Produce		STRAW Supplier: Lowdermilk		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.15	5810	12.40	2600				
2	3.25	6000	12.75	2750				
3	3.25	5980	12	2380				
4	3.25	5980	12.40	2670				
5	3.20	5790	12.25	2580				
6	3.20	5840	12.25	2620				
7	3.25	5890	12.75	2790				
8	3	5710	12	2420				
9	3.20	5890	12.40	2620				
10	3.25	5780	12.75	2780				
11	3.25	5870	12.10	2480				
12	2.90	5650	12	2360				
13	3.15	5810	12.40	2670				
14	3.25	6000	12.25	2550				
15	3.20	5860	12	2410				
16	3.25	5970	12.40	2620				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 157 PERFORMED BY: Howard

DATE: 4 12 5 00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5740	12.10	2470				
2	3.15	5810	12.10	2490				
3	3.10	5750	12.	2400				
4	3.10	5770	12.10	2460				
5	3.	5700	12.10	2430				
6	3.10	5790	12.10	2490				
7	3.	5700	12.10	2420				
8	3.10	5780	12	2400				
9	3.10	5760	12.10	2480				
10	3.15	5840	12.10	2470				
11	3.10	5720	12.15	2540				
12	3.10	5790	12.10	2460				
	3.10	5750	12.20	2590				
14	3.10	5720	12.25	2630				
15	3.15	5836	12.10	2470				
16	3.10	5770	12.10	2440				
17	3.10	5750	12.10	2430				
18	3.15	5820	12.15	2540				
19	3.10	5710	12.10	2480				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 157 PERFORMED BY: Howard

DATE: 4/1/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5750	12	2400				
21	3.10	5780	12.10	2460				
22	3.10	5730	12.15	2570				
23	3.10	5790	12.15	2550				
24	3.15	5840	12.10	2490				
25								
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
M157	4/26/00	4/26/00	0		40.83
		4/27/00	1	58.13	48.47
		4/28/00	2	57.30	56.97
		4/29/00	3	65.97	62.73
		4/30/00	4	67.70	63.27
		5/1/00	5	71.57	67.10
		5/2/00	6	67.70	62.63
		5/3/00	7	67.50	62.23
		5/4/00	8	68.20	62.27

All average temperatures are in degrees centigrade

Friday, June 28, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M157	4/26/00	4/26/00	0		15.57
		4/27/00	1	15.17	2.40
		4/28/00	2	14.23	13.67
		4/29/00	3	15.07	8.53
		4/30/00	4	9.50	10.67
		5/1/00	5	10.03	8.83
		5/2/00	6	9.63	7.23
		5/3/00	7	12.80	8.23
		5/4/00	8	10.27	7.30

All average Oxygen values are expressed as a percent

Friday, June 28, 2002

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M157	4/26/00	4/27/00	1		
		4/28/00	2		56.64
		4/29/00	3		
		4/30/00	4		
		5/1/00	5		53.12
		5/2/00	6		
		5/3/00	7		
		5/4/00	8		

All average MWHC values are expressed in percent

Windrow Number: M157 *1,3,5-TRINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
135TNB	04/26/00	05/05/00	9	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
135TNB	04/26/00	05/05/00	9	05	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*492*
135TNB	04/26/00	05/05/00	9	07	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*492*
135TNB	04/26/00	05/05/00	9	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
135TNB	04/26/00	05/05/00	9	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 9 : ***497***

Standard Deviation: ***8***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M157 *1,3-DINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
13DNB	04/26/00	05/05/00	9	03	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*500*
13DNB	04/26/00	05/05/00	9	05	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*492*
13DNB	04/26/00	05/05/00	9	07	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*492*
13DNB	04/26/00	05/05/00	9	09	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*500*
13DNB	04/26/00	05/05/00	9	11	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*500*

Average Concentration for Windrow on Day 9 : ***497***

Standard Deviation: ***8***

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M157 *2,4,6-TRINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
246TNT	04/26/00	05/05/00	9	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
246TNT	04/26/00	05/05/00	9	05	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*492*
246TNT	04/26/00	05/05/00	9	07	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*492*
246TNT	04/26/00	05/05/00	9	09	1	LT	500	
					2		545	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*515*
246TNT	04/26/00	05/05/00	9	11	1	LT	500	
					2		752	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*584*

Average Concentration for Windrow on Day 9 : ***517***

Standard Deviation: ***67***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M157 **2,4-DINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	04/26/00	05/05/00	9	03	1	LT	500	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 03 :			*500*
24DNT	04/26/00	05/05/00	9	05	1	LT	476	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 05 :			*492*
24DNT	04/26/00	05/05/00	9	07	1	LT	476	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 07 :			*492*
24DNT	04/26/00	05/05/00	9	09	1	LT	500	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 09 :			*500*
24DNT	04/26/00	05/05/00	9	11	1	LT	500	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 11 :			*500*

Average Concentration for Windrow on Day 9 : ***497***

Standard Deviation: ***8***

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M157 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
26DNT	04/26/00	05/05/00	9	03	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*500*
26DNT	04/26/00	05/05/00	9	05	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*492*
26DNT	04/26/00	05/05/00	9	07	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*492*
26DNT	04/26/00	05/05/00	9	09	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*500*
26DNT	04/26/00	05/05/00	9	11	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 11 :			*500*

Average Concentration for Windrow on Day 9 : ***497***

Standard Deviation: ***8***

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M157

2-AMINO-4,6-DINITROTOLUENE Results

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
2A46DT	04/26/00	05/05/00	9	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
2A46DT	04/26/00	05/05/00	9	05	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*492*
2A46DT	04/26/00	05/05/00	9	07	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*492*
2A46DT	04/26/00	05/05/00	9	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
2A46DT	04/26/00	05/05/00	9	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 9 : ***497***

Standard Deviation: ***8***

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M157 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	04/26/00	05/05/00	9	03	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*500*
2NT	04/26/00	05/05/00	9	05	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*492*
2NT	04/26/00	05/05/00	9	07	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*492*
2NT	04/26/00	05/05/00	9	09	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*500*
2NT	04/26/00	05/05/00	9	11	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 11 :			*500*

Average Concentration for Windrow on Day 9 : ***497***

Standard Deviation: ***8***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: M157 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	04/26/00	05/05/00	9	03	1	LT 500	
					2	LT 500	
					3	LT 500	
					Average Concentration for Cross Section 03 :		*500*
3NT	04/26/00	05/05/00	9	05	1	LT 476	
					2	LT 500	
					3	LT 500	
					Average Concentration for Cross Section 05 :		*492*
3NT	04/26/00	05/05/00	9	07	1	LT 476	
					2	LT 500	
					3	LT 500	
					Average Concentration for Cross Section 07 :		*492*
3NT	04/26/00	05/05/00	9	09	1	LT 500	
					2	LT 500	
					3	LT 500	
					Average Concentration for Cross Section 09 :		*500*
3NT	04/26/00	05/05/00	9	11	1	LT 500	
					2	LT 500	
					3	LT 500	
					Average Concentration for Cross Section 11 :		*500*

Average Concentration for Windrow on Day 9 : 497

Standard Deviation: 8

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: M157 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	04/26/00	05/05/00	9	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
4A26DT	04/26/00	05/05/00	9	05	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*492*
4A26DT	04/26/00	05/05/00	9	07	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*492*
4A26DT	04/26/00	05/05/00	9	09	1	LT	500	
					2		230 J	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*410*
4A26DT	04/26/00	05/05/00	9	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 9 : 479

Standard Deviation: 69

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M157

4-NITROTOLUENE Results

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4NT	04/26/00	05/05/00	9	03	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*500*
4NT	04/26/00	05/05/00	9	05	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*492*
4NT	04/26/00	05/05/00	9	07	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*492*
4NT	04/26/00	05/05/00	9	09	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*500*
4NT	04/26/00	05/05/00	9	11	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 11 :			*500*

Average Concentration for Windrow on Day 9 : ***497***

Standard Deviation: ***8***

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M157 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
HMX	04/26/00	05/05/00	9	03	1		3080	
					2		2880	
					3		381 J	
				Average Concentration for Cross Section 03 :				*2114*
HMX	04/26/00	05/05/00	9	05	1	LT	476	
					2		190 J	
					3		381 J	
				Average Concentration for Cross Section 05 :				*349*
HMX	04/26/00	05/05/00	9	07	1		172 J	
					2	LT	500	
					3		2860	
				Average Concentration for Cross Section 07 :				*1177*
HMX	04/26/00	05/05/00	9	09	1	LT	500	
					2		1230	
					3		399 J	
				Average Concentration for Cross Section 09 :				*710*
HMX	04/26/00	05/05/00	9	11	1	LT	500	
					2		1460	
					3		4300	
				Average Concentration for Cross Section 11 :				*2087*

Average Concentration for Windrow on Day 9 : ***1287***

Standard Deviation: ***1329***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M157 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	04/26/00	05/05/00	9	03	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*500*
NB	04/26/00	05/05/00	9	05	1	LT	476
					2		144 J
					3	LT	500
				Average Concentration for Cross Section 05 :			*373*
NB	04/26/00	05/05/00	9	07	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*492*
NB	04/26/00	05/05/00	9	09	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*500*
NB	04/26/00	05/05/00	9	11	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 11 :			*500*

Average Concentration for Windrow on Day 9 : ***473***

Standard Deviation: ***91***

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M157 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
RDX	04/26/00	05/05/00	9	03	1		1010	
					2		1790	
					3		906	
				Average Concentration for Cross Section 03 :				*1235*
RDX	04/26/00	05/05/00	9	05	1	LT	476	
					2		199 J	
					3		486 J	
				Average Concentration for Cross Section 05 :				*387*
RDX	04/26/00	05/05/00	9	07	1	LT	476	
					2	LT	500	
					3		9990	
				Average Concentration for Cross Section 07 :				*3655*
RDX	04/26/00	05/05/00	9	09	1	LT	500	
					2		553	
					3		890	
				Average Concentration for Cross Section 09 :				*648*
RDX	04/26/00	05/05/00	9	11	1		1670	
					2		446 J	
					3		1840	
				Average Concentration for Cross Section 11 :				*1319*

Average Concentration for Windrow on Day 9 : 1449

Standard Deviation: 2421

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M157 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
TETRYL	04/26/00	05/05/00	9	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
TETRYL	04/26/00	05/05/00	9	05	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*492*
TETRYL	04/26/00	05/05/00	9	07	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*492*
TETRYL	04/26/00	05/05/00	9	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
TETRYL	04/26/00	05/05/00	9	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 9 : ***497***

Standard Deviation: ***8***

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-158 Day 0: 04/27/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5720	12.15	2540	5.275	11605	20.475	19865
2	3.1	5780	12.1	2410	5.275	11605	20.475	19795
3	3.1	5730	12.15	2580	5.275	11605	20.525	19915
4	3.1	5770	12.1	2450	5.275	11605	20.475	19825
5	3	5700	12.1	2470	5.275	11605	20.375	19775
6	3.15	5820	12.15	2530	5.275	11605	20.575	19955
7	3.1	5740	12.1	2480	5.275	11605	20.475	19825
8	3.1	5720	12.15	2550	5.275	11605	20.525	19875
9	3.1	5770	12.1	2470	5.275	11605	20.475	19845
10	3	5700	12.1	2430	5.275	11605	20.375	19735
11	3.1	5750	12.1	2440	5.275	11605	20.475	19795
12	3.1	5770	12	2400	5.275	11605	20.375	19775
13	3.1	5780	12.15	2520	5.275	11605	20.525	19905
14	3	5700	12.1	2430	5.275	11605	20.375	19735
15	3.1	5730	12	2400	5.275	11605	20.375	19735
16	3.1	5790	12.15	2510	5.275	11605	20.525	19905
17	3.1	5750	12	2410	5.275	11605	20.375	19765
18	3.1	5780	12.15	2520	5.275	11605	20.525	19905
19	3.15	5810	12.5	2670	5.275	11605	20.925	20085
20	3.1	5770	12.15	2580	5.275	11605	20.525	19955
21	3	5710	12	2380	5.275	11605	20.275	19695
22	3.25	5860	12.25	2520	5.275	11605	20.775	19985
23	3	5680	12.25	2580	5.275	11605	20.525	19865
24	3.25	5840	12	2450	5.275	11605	20.525	19895
25	3.3	5880	12.4	2650	5.275	11605	20.975	20135
26	3.15	5790	12	2470	5.275	11605	20.425	19865
27	3	5700	12	2420	5.275	11605	20.275	19725
28	3.25	5900	12	2400	5.275	11605	20.525	19905
29	3	5700	11.75	2300	5.275	11605	20.025	19605
30	3	5700	11.75	2300	5.275	11605	20.025	19605
31	3.25	5900	12	2400	5.275	11605	20.525	19905
32	3	5700	12	2400	5.275	11605	20.275	19705
33	3.1	5800	12	2400	5.275	11605	20.375	19805
34	3.25	5900	12.4	2600	5.275	11605	20.925	20105
35	3.1	5770	12.25	2590	5.275	11605	20.625	19965
36	3.3	5880	12.25	2710	5.275	11605	20.825	20195
37	3	5720	12.4	2600	5.275	11605	20.675	19925
38					5.275	11605	5.275	11605
39					5.275	11605	5.275	11605
40					5.275	11605	5.275	11605
Total	115	213510	448.2	91960	211.00	464200	774.15	769670

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 158 PERFORMED BY: Howard

DATE: 4 126100 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5720	12.15	2540				
2	3.10	5780	12.10	2410				
3	3.10	5730	12.15	2580				
4	3.10	5770	12.10	2450				
5	3	5700	12.10	2470				
6	3.15	5820	12.15	2530				
7	3.10	5740	12.10	2480				
8	3.10	5720	12.15	2550				
9	3.10	5710	12.10	2470				
10	3	5706	12.10	2430				
11	3.10	5750	12.10	2440				
12	3.10	5770	12	2400				
13	3.10	5780	12.15	2520				
14	3	5700	12.10	2430				
15	3.10	5730	12	2400				
16	3.10	5790	12.15	2510				
17	3.10	5750	12	2410				
18	3.10	5780	12.15	2520				
19	3.15	5810	12.50	2670				
20	3.10	5770	12.15	2580				

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 5/5 8 PERFORMED BY: _____

DATE: 4/12/2000 INSPECTED BY: _____

Design Quantity: Chicken Manure_____CY _____Pounds
Straw_____CY_____Pounds
Soil_____CY_____Pounds

Batch Number	CHICKEN MANURE Supplier: Washington Valley Poultry		STRAW Supplier: Louisville		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5710	12	2380				
2	3.25	5860	12.25	2520				
3	3	5680	12.25	2580				
4	3.25	5840	12	2450				
5	3.30	5880	12.40	2650				
6	3.15	5790	12.0	2470				
7	3.0	5700	12.0	2420				
8	3.25	5900	12.0	2400				
9	3.0	5700	11.75	2300				
10	3.0	5700	11.75	2300				
11	3.25	5900	12.0	2400				
12	3.0	5700	12.0	2400				
13	3.1	5800	12.0	2400				
14	3.25	5900	12.40	2600				
15	3.1	5770	12.25	2590				
16	3.30	5880	12.25	2710				
17	3.	5720	12.40	2600				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
S158	4/27/00	4/27/00	0		38.17
		4/28/00	1	56.37	50.60
		4/29/00	2	62.10	57.73
		4/30/00	3	64.37	62.13
		5/1/00	4	66.53	64.57
		5/2/00	5	62.00	63.07
		5/3/00	6	66.17	63.90
		5/4/00	7	66.13	62.03
		5/5/00	8	66.17	60.53
		5/6/00	9	67.50	61.33
		5/7/00	10	64.30	58.23

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S158	4/27/00	4/27/00	0		19.20
		4/28/00	1	12.50	9.43
		4/29/00	2	13.07	13.67
		4/30/00	3	6.13	12.87
		5/1/00	4	12.37	8.27
		5/2/00	5	12.07	9.77
		5/3/00	6	12.73	11.17
		5/4/00	7	12.60	9.80
		5/5/00	8	11.80	10.40
		5/6/00	9	7.53	11.07

All average Oxygen values are expressed as a percent

Friday, June 28, 2002

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S158	4/27/00	4/28/00	1		63.42
		5/1/00	4		55.48
		5/5/00	8		44.04

All average MWHC values are expressed in percent

Windrow Number: S158 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	04/27/00	05/08/00	11	03	1	LT	435	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*455*
135TNB	04/27/00	05/08/00	11	05	1	LT	417	
					2	LT	435	
					3	LT	385	
				Average Concentration for Cross Section 05 :				*412*
135TNB	04/27/00	05/08/00	11	07	1	LT	435	
					2		382 J	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*424*
135TNB	04/27/00	05/08/00	11	09	1	LT	417	
					2	LT	454	
					3	LT	417	
				Average Concentration for Cross Section 09 :				*429*
135TNB	04/27/00	05/08/00	11	11	1	LT	435	
					2	LT	435	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*441*

Average Concentration for Windrow on Day 11 : 432

Standard Deviation: 26

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: S158 *1,3-DINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
13DNB	04/27/00	05/08/00	11	03	1	LT	435
					2	LT	454
					3	LT	476
				Average Concentration for Cross Section 03 :			*455*
13DNB	04/27/00	05/08/00	11	05	1	LT	417
					2	LT	435
					3	LT	385
				Average Concentration for Cross Section 05 :			*412*
13DNB	04/27/00	05/08/00	11	07	1	LT	435
					2	LT	500
					3	LT	454
				Average Concentration for Cross Section 07 :			*463*
13DNB	04/27/00	05/08/00	11	09	1	LT	417
					2	LT	454
					3	LT	417
				Average Concentration for Cross Section 09 :			*429*
13DNB	04/27/00	05/08/00	11	11	1	LT	435
					2	LT	435
					3	LT	454
				Average Concentration for Cross Section 11 :			*441*

Average Concentration for Windrow on Day 11 : 440

Standard Deviation: 27

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: S158 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	04/27/00	05/08/00	11	03	1	LT	435	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*455*
246TNT	04/27/00	05/08/00	11	05	1	LT	417	
					2	LT	435	
					3	LT	385	
				Average Concentration for Cross Section 05 :				*412*
246TNT	04/27/00	05/08/00	11	07	1	LT	435	
					2		419 J	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*436*
246TNT	04/27/00	05/08/00	11	09	1	LT	417	
					2	LT	454	
					3	LT	417	
				Average Concentration for Cross Section 09 :				*429*
246TNT	04/27/00	05/08/00	11	11	1	LT	435	
					2	LT	435	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*441*

Average Concentration for Windrow on Day 11 : 435

Standard Deviation: 22

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S158 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
24DNT	04/27/00	05/08/00	11	03	1	LT	435
					2	LT	454
					3	LT	476
				Average Concentration for Cross Section 03 :			*455*
24DNT	04/27/00	05/08/00	11	05	1	LT	417
					2	LT	435
					3	LT	385
				Average Concentration for Cross Section 05 :			*412*
24DNT	04/27/00	05/08/00	11	07	1	LT	435
					2	LT	500
					3	LT	454
				Average Concentration for Cross Section 07 :			*463*
24DNT	04/27/00	05/08/00	11	09	1	LT	417
					2	LT	454
					3	LT	417
				Average Concentration for Cross Section 09 :			*429*
24DNT	04/27/00	05/08/00	11	11	1	LT	435
					2	LT	435
					3	LT	454
				Average Concentration for Cross Section 11 :			*441*

Average Concentration for Windrow on Day 11 : 440

Standard Deviation: 27

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S158 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
26DNT	04/27/00	05/08/00	11	03	1	LT	435	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*455*
26DNT	04/27/00	05/08/00	11	05	1	LT	417	
					2	LT	435	
					3	LT	385	
				Average Concentration for Cross Section 05 :				*412*
26DNT	04/27/00	05/08/00	11	07	1	LT	435	
					2	LT	500	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*463*
26DNT	04/27/00	05/08/00	11	09	1	LT	417	
					2	LT	454	
					3	LT	417	
				Average Concentration for Cross Section 09 :				*429*
26DNT	04/27/00	05/08/00	11	11	1	LT	435	
					2	LT	435	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*441*

Average Concentration for Windrow on Day 11 : 440

Standard Deviation: 27

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: S158

2-AMINO-4,6-DINITROTOLUENE Results

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2A46DT	04/27/00	05/08/00	11	03	1	LT	435
					2	LT	454
					3		434 J
				Average Concentration for Cross Section 03 :			*441*
2A46DT	04/27/00	05/08/00	11	05	1	LT	417
					2	LT	435
					3	LT	385
				Average Concentration for Cross Section 05 :			*412*
2A46DT	04/27/00	05/08/00	11	07	1	LT	435
					2		212 J
					3	LT	454
				Average Concentration for Cross Section 07 :			*367*
2A46DT	04/27/00	05/08/00	11	09	1	LT	417
					2	LT	454
					3	LT	417
				Average Concentration for Cross Section 09 :			*429*
2A46DT	04/27/00	05/08/00	11	11	1	LT	435
					2	LT	435
					3	LT	454
				Average Concentration for Cross Section 11 :			*441*

Average Concentration for Windrow on Day 11 : 418

Standard Deviation: 60

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: S158 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2NT	04/27/00	05/08/00	11	03	1	LT	435	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*455*
2NT	04/27/00	05/08/00	11	05	1	LT	417	
					2	LT	435	
					3	LT	385	
				Average Concentration for Cross Section 05 :				*412*
2NT	04/27/00	05/08/00	11	07	1	LT	435	
					2	LT	500	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*463*
2NT	04/27/00	05/08/00	11	09	1	LT	417	
					2	LT	454	
					3	LT	417	
				Average Concentration for Cross Section 09 :				*429*
2NT	04/27/00	05/08/00	11	11	1	LT	435	
					2	LT	435	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*441*

Average Concentration for Windrow on Day 11 : 440

Standard Deviation: 27

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: S158 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
3NT	04/27/00	05/08/00	11	03	1	LT	435	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*455*
3NT	04/27/00	05/08/00	11	05	1	LT	417	
					2	LT	435	
					3	LT	385	
				Average Concentration for Cross Section 05 :				*412*
3NT	04/27/00	05/08/00	11	07	1	LT	435	
					2	LT	500	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*463*
3NT	04/27/00	05/08/00	11	09	1	LT	417	
					2	LT	454	
					3	LT	417	
				Average Concentration for Cross Section 09 :				*429*
3NT	04/27/00	05/08/00	11	11	1	LT	435	
					2	LT	435	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*441*

Average Concentration for Windrow on Day 11 : 440

Standard Deviation: 27

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: S158 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	04/27/00	05/08/00	11	03	1	LT	435	
					2	LT	454	
					3		1620	
				Average Concentration for Cross Section 03 :				*836*
4A26DT	04/27/00	05/08/00	11	05	1	LT	417	
					2	LT	435	
					3	LT	385	
				Average Concentration for Cross Section 05 :				*412*
4A26DT	04/27/00	05/08/00	11	07	1	LT	435	
					2		241 J	
					3		112 J	
				Average Concentration for Cross Section 07 :				*263*
4A26DT	04/27/00	05/08/00	11	09	1	LT	417	
					2	LT	454	
					3		353 J	
				Average Concentration for Cross Section 09 :				*408*
4A26DT	04/27/00	05/08/00	11	11	1	LT	435	
					2	LT	435	
					3		484	
				Average Concentration for Cross Section 11 :				*451*

Average Concentration for Windrow on Day 11 : ***474***

Standard Deviation: ***331***

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: S158 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4NT	04/27/00	05/08/00	11	03	1	LT	435	
					2	LT	454	
					3	LT	476	
					Average Concentration for Cross Section 03 :			*455*
4NT	04/27/00	05/08/00	11	05	1	LT	417	
					2	LT	435	
					3	LT	385	
					Average Concentration for Cross Section 05 :			*412*
4NT	04/27/00	05/08/00	11	07	1	LT	435	
					2	LT	500	
					3	LT	454	
					Average Concentration for Cross Section 07 :			*463*
4NT	04/27/00	05/08/00	11	09	1	LT	417	
					2	LT	454	
					3	LT	417	
					Average Concentration for Cross Section 09 :			*429*
4NT	04/27/00	05/08/00	11	11	1	LT	435	
					2	LT	435	
					3	LT	454	
					Average Concentration for Cross Section 11 :			*441*

Average Concentration for Windrow on Day 11 : 440

Standard Deviation: 27

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: S158 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
HMX	04/27/00	05/08/00	11	03	1	LT	435	
					2		4300	
					3		3910	
				Average Concentration for Cross Section 03 :				*2882*
HMX	04/27/00	05/08/00	11	05	1		167 J	
					2		800	
					3		9440	
				Average Concentration for Cross Section 05 :				*3469*
HMX	04/27/00	05/08/00	11	07	1	LT	435	
					2	LT	500	
					3		6700	
				Average Concentration for Cross Section 07 :				*2545*
HMX	04/27/00	05/08/00	11	09	1	LT	417	
					2		914	
					3		3560	
				Average Concentration for Cross Section 09 :				*1630*
HMX	04/27/00	05/08/00	11	11	1	LT	435	
					2		521	
					3		6070	
				Average Concentration for Cross Section 11 :				*2342*

Average Concentration for Windrow on Day 11 : ***2574***

Standard Deviation: ***2936***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: S158 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	04/27/00	05/08/00	11	03	1	LT	435
					2	LT	454
					3	LT	476
				Average Concentration for Cross Section 03 :			*455*
NB	04/27/00	05/08/00	11	05	1	LT	417
					2	LT	435
					3	LT	385
				Average Concentration for Cross Section 05 :			*412*
NB	04/27/00	05/08/00	11	07	1	LT	435
					2	LT	500
					3	LT	454
				Average Concentration for Cross Section 07 :			*463*
NB	04/27/00	05/08/00	11	09	1	LT	417
					2	LT	454
					3	LT	417
				Average Concentration for Cross Section 09 :			*429*
NB	04/27/00	05/08/00	11	11	1	LT	435
					2	LT	435
					3	LT	454
				Average Concentration for Cross Section 11 :			*441*

Average Concentration for Windrow on Day 11 : 440

Standard Deviation: 27

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: S158 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
RDX	04/27/00	05/08/00	11	03	1	LT	435	
					2		2350	
					3		3270	
				Average Concentration for Cross Section 03 :				*2018*
RDX	04/27/00	05/08/00	11	05	1	LT	417	
					2	LT	435	
					3		13600	
				Average Concentration for Cross Section 05 :				*4817*
RDX	04/27/00	05/08/00	11	07	1	LT	435	
					2	LT	500	
					3		2900	
				Average Concentration for Cross Section 07 :				*1278*
RDX	04/27/00	05/08/00	11	09	1	LT	417	
					2		364 J	
					3		4560	
				Average Concentration for Cross Section 09 :				*1780*
RDX	04/27/00	05/08/00	11	11	1	LT	435	
					2		688	
					3		5160	
				Average Concentration for Cross Section 11 :				*2094*

Average Concentration for Windrow on Day 11 : 2398

Standard Deviation: 3513

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: S158 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
TETRYL	04/27/00	05/08/00	11	03	1	LT	435	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*455*
TETRYL	04/27/00	05/08/00	11	05	1	LT	417	
					2	LT	435	
					3	LT	385	
				Average Concentration for Cross Section 05 :				*412*
TETRYL	04/27/00	05/08/00	11	07	1	LT	435	
					2	LT	500	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*463*
TETRYL	04/27/00	05/08/00	11	09	1	LT	417	
					2	LT	454	
					3	LT	417	
				Average Concentration for Cross Section 09 :				*429*
TETRYL	04/27/00	05/08/00	11	11	1	LT	435	
					2	LT	435	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*441*

Average Concentration for Windrow on Day 11 : 440

Standard Deviation: 27

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-159 Day 0: 05/1/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5790	12.15	2510	5.275	11605	20.475	19905
2	3.1	5720	12.1	2470	5.275	11605	20.475	19795
3	3	5700	11.75	2350	5.275	11605	20.025	19655
4	3.1	5750	12.1	2420	5.275	11605	20.475	19775
5	3.1	5740	12.1	2450	5.275	11605	20.475	19795
6	3.1	5720	12.1	2490	5.275	11605	20.475	19815
7	3.1	5770	12.1	2470	5.275	11605	20.475	19845
8	3.15	5850	12.15	2500	5.275	11605	20.575	19955
9	3.1	5760	12	2400	5.275	11605	20.375	19765
10	3	5700	12.1	2450	5.275	11605	20.375	19755
11	3.1	5780	12.15	2520	5.275	11605	20.525	19905
12	3	5700	12.1	2420	5.275	11605	20.375	19725
13	3.1	5730	12.1	2460	5.275	11605	20.475	19795
14	3.1	5770	12.1	2490	5.275	11605	20.475	19865
15	3.15	5840	12.1	2470	5.275	11605	20.525	19915
16	3.1	5760	12	2400	5.275	11605	20.375	19765
17	3	5700	12.1	2440	5.275	11605	20.375	19745
18	3.1	5770	12.15	2560	5.275	11605	20.525	19935
19	3.15	5870	12.15	2600	5.275	11605	20.575	20075
20	3.15	5840	12.15	2500	5.275	11605	20.575	19945
21	3.1	5770	12	2380	5.275	11605	20.375	19755
22	3.15	5830	12	2460	5.275	11605	20.425	19895
23	3	5770	12.25	2520	5.275	11605	20.525	19895
24	3.4	5830	12.35	2600	5.275	11605	21.025	20035
25	3.4	5860	12	2450	5.275	11605	20.675	19915
26	3	5710	12	2420	5.275	11605	20.275	19735
27	3.1	5790	12.35	2560	5.275	11605	20.725	19955
28	3	5670	12.15	2480	5.275	11605	20.425	19755
29	3.35	5800	12	2410	5.275	11605	20.625	19815
30	3.6	6020	13	2770	5.275	11605	21.875	20395
31	3.2	5800	12	2460	5.275	11605	20.475	19865
32	3.25	5870	12.3	2530	5.275	11605	20.825	20005
33	3.1	5770	12.25	2500	5.275	11605	20.625	19875
34	3.1	5700	12.25	2500	5.275	11605	20.625	19805
35	3.2	5800	12.25	2500	5.275	11605	20.725	19905
36	3.1	5730	12.15	2450	5.275	11605	20.525	19785
37	3	5710	12.25	2540	5.275	11605	20.525	19855
38	3.1	5760	12.1	2450	5.275	11605	20.475	19815
39	3.1	5770	12.1	2470	5.275	11605	20.475	19845
40					5.275	11605	5.275	11605
Total	122.05	225220	473.5	96820	211.00	464200	806.5	786240

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 5/59

PERFORMED BY: _____

DATE: 5/1/00

INSPECTED BY: _____

Design Quantity: Chicken Manure 5 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: Wabash Valley Produce		STRAW Supplier: Pontiac		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5770	12.25	2520				
2	3.40	5820	12.35	2600				
3	3.40	5860	12	2450				
4	3	5710	12	2420				
5	3.10	5790	12.35	2560				
6	3	5670	12.15	2480				
7	3.35	5800	12	2410				
8	3.60	6020	13	2770				
9	3.20	5800	12	2460				
10	3.25	5870	12.30	2530				
11	3.10	5770	12.28	2500				
12	3.100	5700	12.25	2500				
13	3.20	5800	12.25	2500				
14	3.10	5730	12.15	2450				
15	3	5710	12.25	2540				
16	3.10	5760	12.10	2450				
17	3.10	5770	12.10	2470				
18								
19								
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 159 PERFORMED BY: Howard

DATE: 5 1 100 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5790	12.15	2510				
2	3.10	5720	12.10	2470				
3	3	5700	11.75	2350				
4	3.10	5750	12.10	2420				
5	3.10	5740	12.16	2450				
6	3.10	5720	12.10	2490				
7	3.10	5770	12.10	2470				
8	3.15	5850	12.15	2500				
9	3.10	5760	12	2400				
10	3	5700	12.10	2450				
11	3.10	5780	12.15	2520				
12	3	5700	12.10	2420				
13	3.10	5730	12.10	2460				
14	3.10	5770	12.10	2490				
15	3.15	5840	12.10	2470				
16	3.10	5760	12	2400				
17	3	5700	12.10	2440				
18	3.10	5770	12.15	2560				
19	3.15	5870	12.15	2600				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 5159 PERFORMED BY: _____

DATE: 5/1/100 INSPECTED BY: _____

Design Quantity: Chicken Manure_____CY _____Pounds
Straw_____CY_____Pounds
Soil_____CY_____Pounds

Batch Number	CHICKEN MANURE Supplier:_____		STRAW Supplier:_____		SOIL Location:_____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.15	5840	12.15	2500				
21	3.10	5720	12	2380				
22	3.15	5830	12	2460				
23								
24								
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
S159	5/1/00	5/10/99	-357	64.10	57.83
		5/1/00	0		26.23
		5/2/00	1	49.20	46.07
		5/3/00	2	61.00	55.30
		5/4/00	3	62.67	58.30
		5/5/00	4	63.60	57.13
		5/6/00	5	67.23	60.50
		5/7/00	6	61.77	58.47
		5/8/00	7	64.87	63.60
		5/9/00	8	66.73	61.07

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S159	5/1/00	5/10/99	-357		
		5/1/00	0		18.67
		5/2/00	1	6.83	11.00
		5/3/00	2	11.43	7.17
		5/4/00	3	12.57	9.17
		5/5/00	4	19.00	12.23
		5/6/00	5	8.87	12.93
		5/7/00	6	15.53	
		5/8/00	7		
		5/9/00	8		

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (%)	POST-Turn (%)
S159	5/1/00	5/10/99	-357		
		5/1/00	0		56.48
		5/2/00	1		
		5/3/00	2		
		5/4/00	3		
		5/5/00	4		47.46
		5/6/00	5		
		5/7/00	6		
		5/8/00	7		51.10
		5/9/00	8		

All average MWHC values are expressed in percent

Windrow Number: S159 *1,3,5-TRINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
135TNB	05/01/00	05/10/00	9	03	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*454*
135TNB	05/01/00	05/10/00	9	05	1	LT	400	
					2	LT	417	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*439*
135TNB	05/01/00	05/10/00	9	07	1	LT	385	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*454*
135TNB	05/01/00	05/10/00	9	09	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*476*
135TNB	05/01/00	05/10/00	9	11	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 9 : ***463***

Standard Deviation: ***37***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: S159 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	05/01/00	05/10/00	9	03	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*454*
13DNB	05/01/00	05/10/00	9	05	1	LT	400	
					2	LT	417	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*439*
13DNB	05/01/00	05/10/00	9	07	1	LT	385	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*454*
13DNB	05/01/00	05/10/00	9	09	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*476*
13DNB	05/01/00	05/10/00	9	11	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 9 : ***463***

Standard Deviation: *37*

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: S159 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	05/01/00	05/10/00	9	03	1	LT	454	
					2		206 J	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*371*
246TNT	05/01/00	05/10/00	9	05	1		94.6 J	
					2	LT	417	
					3		66 J	
				Average Concentration for Cross Section 05 :				*193*
246TNT	05/01/00	05/10/00	9	07	1		4000	
					2		90.1 J	
					3		25.6 J	
				Average Concentration for Cross Section 07 :				*1372*
246TNT	05/01/00	05/10/00	9	09	1		164 J	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*372*
246TNT	05/01/00	05/10/00	9	11	1	LT	476	
					2	LT	500	
					3		159 J	
				Average Concentration for Cross Section 11 :				*378*

Average Concentration for Windrow on Day 9 : ***537***

Standard Deviation: ***975***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S159 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	05/01/00	05/10/00	9	03	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*454*
24DNT	05/01/00	05/10/00	9	05	1	LT	400	
					2	LT	417	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*439*
24DNT	05/01/00	05/10/00	9	07	1	LT	385	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*454*
24DNT	05/01/00	05/10/00	9	09	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*476*
24DNT	05/01/00	05/10/00	9	11	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 9 : ***463***

Standard Deviation: *37*

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S159 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	05/01/00	05/10/00	9	03	1	LT	454
					2	LT	454
					3	LT	454
				Average Concentration for Cross Section 03 :			*454*
26DNT	05/01/00	05/10/00	9	05	1	LT	400
					2	LT	417
					3	LT	500
				Average Concentration for Cross Section 05 :			*439*
26DNT	05/01/00	05/10/00	9	07	1	LT	385
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 07 :			*454*
26DNT	05/01/00	05/10/00	9	09	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 09 :			*476*
26DNT	05/01/00	05/10/00	9	11	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 9 : 463

Standard Deviation: 37

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: S159 **2-AMINO-4,6-DINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	05/01/00	05/10/00	9	03	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*454*
2A46DT	05/01/00	05/10/00	9	05	1	LT	400	
					2	LT	417	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*439*
2A46DT	05/01/00	05/10/00	9	07	1		290 J	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*422*
2A46DT	05/01/00	05/10/00	9	09	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*476*
2A46DT	05/01/00	05/10/00	9	11	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 9 : 457

Standard Deviation: 55

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: S159 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	05/01/00	05/10/00	9	03	1	LT	454
					2	LT	454
					3	LT	454
				Average Concentration for Cross Section 03 :			*454*
2NT	05/01/00	05/10/00	9	05	1	LT	400
					2	LT	417
					3	LT	500
				Average Concentration for Cross Section 05 :			*439*
2NT	05/01/00	05/10/00	9	07	1	LT	385
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 07 :			*454*
2NT	05/01/00	05/10/00	9	09	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 09 :			*476*
2NT	05/01/00	05/10/00	9	11	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 9 : 463

Standard Deviation: 37

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: S159

3-NITROTOLUENE Results

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
3NT	05/01/00	05/10/00	9	03	1	LT	454
					2	LT	454
					3	LT	454
				Average Concentration for Cross Section 03 :			*454*
3NT	05/01/00	05/10/00	9	05	1	LT	400
					2	LT	417
					3	LT	500
				Average Concentration for Cross Section 05 :			*439*
3NT	05/01/00	05/10/00	9	07	1	LT	385
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 07 :			*454*
3NT	05/01/00	05/10/00	9	09	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 09 :			*476*
3NT	05/01/00	05/10/00	9	11	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 9 : 463

Standard Deviation: 37

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: S159 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	05/01/00	05/10/00	9	03	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*454*
4A26DT	05/01/00	05/10/00	9	05	1	LT	400	
					2	LT	417	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*439*
4A26DT	05/01/00	05/10/00	9	07	1	LT	385	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*454*
4A26DT	05/01/00	05/10/00	9	09	1	LT	476	
					2	LT	476	
					3		221 J	
				Average Concentration for Cross Section 09 :				*391*
4A26DT	05/01/00	05/10/00	9	11	1	LT	476	
					2	LT	500	
					3		245 J	
				Average Concentration for Cross Section 11 :				*407*

Average Concentration for Windrow on Day 9 : 429

Standard Deviation: 87

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: S159 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	05/01/00	05/10/00	9	03	1	LT	454
					2	LT	454
					3	LT	454
				Average Concentration for Cross Section 03 :			*454*
4NT	05/01/00	05/10/00	9	05	1	LT	400
					2	LT	417
					3	LT	500
				Average Concentration for Cross Section 05 :			*439*
4NT	05/01/00	05/10/00	9	07	1	LT	385
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 07 :			*454*
4NT	05/01/00	05/10/00	9	09	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 09 :			*476*
4NT	05/01/00	05/10/00	9	11	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 9 : 463

Standard Deviation: 37

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: S159 ***HMX Results***

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*		*Concentration* UGKG
HMX	05/01/00	05/10/00	9	03	1		424 J
					2		221 J
					3		850
				Average Concentration for Cross Section 03 :			*498*
HMX	05/01/00	05/10/00	9	05	1		328 J
					2	LT	417
					3		632
				Average Concentration for Cross Section 05 :			*459*
HMX	05/01/00	05/10/00	9	07	1		210 J
					2		274 J
					3		206 J
				Average Concentration for Cross Section 07 :			*230*
HMX	05/01/00	05/10/00	9	09	1		214 J
					2		283 J
					3		1670
				Average Concentration for Cross Section 09 :			*722*
HMX	05/01/00	05/10/00	9	11	1		33.5 J
					2		632
					3		2340
				Average Concentration for Cross Section 11 :			*1002*

Average Concentration for Windrow on Day 9 : ***582***

Standard Deviation: ***627***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: S159 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	05/01/00	05/10/00	9	03	1	LT	454
					2	LT	454
					3	LT	454
				Average Concentration for Cross Section 03 :			*454*
NB	05/01/00	05/10/00	9	05	1	LT	400
					2	LT	417
					3	LT	500
				Average Concentration for Cross Section 05 :			*439*
NB	05/01/00	05/10/00	9	07	1	LT	385
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 07 :			*454*
NB	05/01/00	05/10/00	9	09	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 09 :			*476*
NB	05/01/00	05/10/00	9	11	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 9 : 463

Standard Deviation: 37

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: S159 *RDX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
RDX	05/01/00	05/10/00	9	03	1	825	
					2	2710	
					3	1460	
				Average Concentration for Cross Section 03 :			*1665*
RDX	05/01/00	05/10/00	9	05	1	4780	
					2	701	
					3	2110	
				Average Concentration for Cross Section 05 :			*2530*
RDX	05/01/00	05/10/00	9	07	1	8310	
					2	805	
					3	628	
				Average Concentration for Cross Section 07 :			*3248*
RDX	05/01/00	05/10/00	9	09	1	2980	
					2	LT 476	
					3	7620	
				Average Concentration for Cross Section 09 :			*3692*
RDX	05/01/00	05/10/00	9	11	1	1680	
					2	224 J	
					3	7590	
				Average Concentration for Cross Section 11 :			*3165*

Average Concentration for Windrow on Day 9 : ***2860***

Standard Deviation: ***2841***

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: S159 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	05/01/00	05/10/00	9	03	1	LT	454
					2	LT	454
					3	LT	454
				Average Concentration for Cross Section 03 :			*454*
TETRYL	05/01/00	05/10/00	9	05	1	LT	400
					2	LT	417
					3	LT	500
				Average Concentration for Cross Section 05 :			*439*
TETRYL	05/01/00	05/10/00	9	07	1	LT	385
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 07 :			*454*
TETRYL	05/01/00	05/10/00	9	09	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 09 :			*476*
TETRYL	05/01/00	05/10/00	9	11	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 9 : 463

Standard Deviation: 37

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-160 Day 0: 05/5/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.2	5840	12.15	2580	5.275	11605	20.575	20025
2	3.1	5750	12.1	2470	5.275	11605	20.475	19825
3	3	5700	12.1	2450	5.275	11605	20.375	19755
4	3.1	5770	12.1	2490	5.275	11605	20.475	19865
5	3.15	5810	12.1	2420	5.275	11605	20.525	19835
6	3.1	5740	12.15	2540	5.275	11605	20.525	19885
7	3.1	5740	12.15	2460	5.275	11605	20.525	19805
8	3.2	5900	12	2470	5.275	11605	20.475	19975
9	3.2	5800	13	2830	5.275	11605	21.475	20235
10	3.1	5770	12	2410	5.275	11605	20.375	19785
11	3.1	5720	12.15	2580	5.275	11605	20.525	19905
12	3	5700	12.1	2440	5.275	11605	20.375	19745
13	3.15	5840	12.1	2490	5.275	11605	20.525	19935
14	3.1	5840	12.15	2590	5.275	11605	20.525	20035
15	3	5700	12.1	2470	5.275	11605	20.375	19775
16	3.1	5740	12.1	2460	5.275	11605	20.475	19805
17	3	5700	12.1	2440	5.275	11605	20.375	19745
18	3.15	5820	12.1	2420	5.275	11605	20.525	19845
19	3	5700	12.1	2460	5.275	11605	20.375	19765
20	3.15	5890	12.2	2610	5.275	11605	20.625	20105
21	3.15	5860	13	2780	5.275	11605	21.425	20245
22	3	5760	12	2400	5.275	11605	20.275	19765
23	3.15	5830	12.25	2660	5.275	11605	20.675	20095
24	3.15	5800	12.75	2700	5.275	11605	21.175	20105
25	3.25	5900	12.25	2600	5.275	11605	20.775	20105
26	3.2	5860	12.25	2580	5.275	11605	20.725	20045
27	3.15	5820	12.75	2690	5.275	11605	21.175	20115
28	3.05	5770	12.2	2510	5.275	11605	20.525	19885
29	3.1	5800	12.25	2600	5.275	11605	20.625	20005
30	3	5740	12	2460	5.275	11605	20.275	19805
31	3.15	5810	12.2	2540	5.275	11605	20.625	19955
32	3	5720	12.25	2560	5.275	11605	20.525	19885
33	3.25	5880	13	2780	5.275	11605	21.525	20265
34	3.15	5800	12.15	2480	5.275	11605	20.575	19855
35	3.15	5770	12.25	2580	5.275	11605	20.675	20095
36	3.25	5910	13.25	2820	5.275	11605	21.775	20535
37	4	6110	13.75	2950	5.275	11605	23.025	20665
38					5.275	11605	5.275	11605
39					5.275	11605	5.275	11605
40					5.275	11605	5.275	11605
Total	116.15	214610	455.6	94770	211.00	464200	782.7	773890

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # _____ PERFORMED BY: _____

DATE: 5 14 00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 3900 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.15	5890	12.20	2610				
2	3.15	5860	13	2780				
3	3	5760	12	2400				
4	3.15	5830	12.25	2660				
5	3.15	5800	12.25	2700				
6	3.25	5900	12.25	2600				
7	3.20	5860	12.25	2580				
8	3.15	5820	12.25	2680				
9	3.05	5770	12.20	2510				
10	3.10	5800	12.25	2600				
11	3	5740	12	2460				
12	3.15	5810	12.20	2540				
13	3	5720	12.25	2560				
14	3.25	5880	13	2780				
15	3.15	5800	12.15	2480				
16	3.15	5770	12.25	2580				
17	3.25	5910	13.25	2820				
18	4.00	6110	13.75	2950				
Total								

Comments:

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 160 PERFORMED BY: Howard

DATE: 5/4/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.20	5840	12.15	2580				
2	3.10	5750	12.10	2470				
3	3	5700	12.10	2450				
4	3.10	5770	12.10	2490				
5	3.15	5810	12.10	2420				
6	3.10	5740	12.15	2540				
7	3.10	5740	12.15	2460				
8	3.25	5800	12	2470				
9	3.25	5800	13	2830				
10	3.10	5770	12	2410				
11	3.10	5720	12.15	2580				
12	3	5700	12.10	2440				
13	3.15	5840	12.10	2490				
14	3.10	5780	12.15	2590				
15	3	5700	12.10	2470				
16	3.10	5740	12.10	2460				
17	3	5700	12.10	2440				
18	3.15	5820	12.10	2420				
19	3	5700	12.10	2460				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
M160	5/5/00	5/5/00	0		48.97
		5/6/00	1	59.00	52.73
		5/7/00	2	62.90	54.93
		5/8/00	3	64.57	63.77
		5/9/00	4	66.10	59.70
		5/10/00	5	61.20	60.07
		5/11/00	6	62.20	59.30
		5/12/00	7	63.23	59.87
		5/13/00	8	65.27	60.87
		5/14/00	9	64.13	58.43
		5/15/00	10	64.67	59.07
		5/16/00	11	62.53	60.87

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M160	5/5/00	5/5/00	0		9.10
		5/6/00	1	9.90	12.73
		5/7/00	2	12.90	
		5/8/00	3		
		5/9/00	4		
		5/10/00	5		
		5/11/00	6		
		5/12/00	7		
		5/13/00	8		
		5/14/00	9		
		5/15/00	10		
		5/16/00	11		

All average Oxygen values are expressed as a percent

Friday, June 28, 2002

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M160	5/5/00	5/5/00	0		
		5/6/00	1		
		5/7/00	2		
		5/8/00	3		57.38
		5/9/00	4		
		5/10/00	5		48.96
		5/11/00	6		
		5/12/00	7		58.14
		5/13/00	8		
		5/14/00	9		
		5/15/00	10		49.96
		5/16/00	11		

All average MWHC values are expressed in percent

Windrow Number: M160 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	05/05/00	05/16/00	11	03	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*500*
135TNB	05/05/00	05/16/00	11	05	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*492*
135TNB	05/05/00	05/16/00	11	07	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*500*
135TNB	05/05/00	05/16/00	11	09	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*500*
135TNB	05/05/00	05/16/00	11	11	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 11 : 495

Standard Deviation: 10

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M160 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	05/05/00	05/16/00	11	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
13DNB	05/05/00	05/16/00	11	05	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*492*
13DNB	05/05/00	05/16/00	11	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
13DNB	05/05/00	05/16/00	11	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
13DNB	05/05/00	05/16/00	11	11	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 11 : 495

Standard Deviation: 10

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M160 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	05/05/00	05/16/00	11	03	1		458 J	
					2		760	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*573*
246TNT	05/05/00	05/16/00	11	05	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*492*
246TNT	05/05/00	05/16/00	11	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
246TNT	05/05/00	05/16/00	11	09	1	LT	500	
					2	LT	500	
					3		92.3 J	
				Average Concentration for Cross Section 09 :				*364*
246TNT	05/05/00	05/16/00	11	11	1	LT	500	
					2	LT	476	
					3		78.4 J	
				Average Concentration for Cross Section 11 :				*351*

Average Concentration for Windrow on Day 11 : ***456***

Standard Deviation: ***166***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M160 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
24DNT	05/05/00	05/16/00	11	03	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*500*
24DNT	05/05/00	05/16/00	11	05	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*492*
24DNT	05/05/00	05/16/00	11	07	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*500*
24DNT	05/05/00	05/16/00	11	09	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*500*
24DNT	05/05/00	05/16/00	11	11	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 11 : 495

Standard Deviation: 10

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M160 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
26DNT	05/05/00	05/16/00	11	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
26DNT	05/05/00	05/16/00	11	05	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*492*
26DNT	05/05/00	05/16/00	11	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
26DNT	05/05/00	05/16/00	11	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
26DNT	05/05/00	05/16/00	11	11	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 11 : ***495***

Standard Deviation: ***10***

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M160 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	05/05/00	05/16/00	11	03	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*500*
2A46DT	05/05/00	05/16/00	11	05	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*492*
2A46DT	05/05/00	05/16/00	11	07	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*500*
2A46DT	05/05/00	05/16/00	11	09	1	LT 500	
					2	LT 500	
					3	303 J	
				Average Concentration for Cross Section 09 :			*434*
2A46DT	05/05/00	05/16/00	11	11	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 11 : 482

Standard Deviation: 51

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M160 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	05/05/00	05/16/00	11	03	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*500*
2NT	05/05/00	05/16/00	11	05	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*492*
2NT	05/05/00	05/16/00	11	07	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*500*
2NT	05/05/00	05/16/00	11	09	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*500*
2NT	05/05/00	05/16/00	11	11	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 11 : 495

Standard Deviation: 10

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: M160 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
3NT	05/05/00	05/16/00	11	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
3NT	05/05/00	05/16/00	11	05	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*492*
3NT	05/05/00	05/16/00	11	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
3NT	05/05/00	05/16/00	11	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
3NT	05/05/00	05/16/00	11	11	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 11 : ***495***

Standard Deviation: ***10***

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: M160 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4A26DT	05/05/00	05/16/00	11	03	1	LT	500
					2		254 J
					3	LT	500
				Average Concentration for Cross Section 03 :			*418*
4A26DT	05/05/00	05/16/00	11	05	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*492*
4A26DT	05/05/00	05/16/00	11	07	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*500*
4A26DT	05/05/00	05/16/00	11	09	1	LT	500
					2	LT	500
					3		574
				Average Concentration for Cross Section 09 :			*525*
4A26DT	05/05/00	05/16/00	11	11	1	LT	500
					2	LT	476
					3		296 J
				Average Concentration for Cross Section 11 :			*424*

Average Concentration for Windrow on Day 11 : ***472***

Standard Deviation: ***83***

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M160

4-NITROTOLUENE Results

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4NT	05/05/00	05/16/00	11	03	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*500*
4NT	05/05/00	05/16/00	11	05	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*492*
4NT	05/05/00	05/16/00	11	07	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*500*
4NT	05/05/00	05/16/00	11	09	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*500*
4NT	05/05/00	05/16/00	11	11	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 11 : 495

Standard Deviation: 10

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M160 ***HMX Results***

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
HMX	05/05/00	05/16/00	11	03	1	LT	500
					2		398 J
					3		302 J
				Average Concentration for Cross Section 03 :			*400*
HMX	05/05/00	05/16/00	11	05	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*492*
HMX	05/05/00	05/16/00	11	07	1		66.5 J
					2		247 J
					3	LT	500
				Average Concentration for Cross Section 07 :			*271*
HMX	05/05/00	05/16/00	11	09	1	LT	500
					2	LT	500
					3		662
				Average Concentration for Cross Section 09 :			*554*
HMX	05/05/00	05/16/00	11	11	1		201 J
					2	LT	476
					3		172 J
				Average Concentration for Cross Section 11 :			*283*

Average Concentration for Windrow on Day 11 : ***400***

Standard Deviation: ***164***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M160 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	05/05/00	05/16/00	11	03	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*500*
NB	05/05/00	05/16/00	11	05	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*492*
NB	05/05/00	05/16/00	11	07	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*500*
NB	05/05/00	05/16/00	11	09	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*500*
NB	05/05/00	05/16/00	11	11	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 11 : 495

Standard Deviation: 10

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M160 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
RDX	05/05/00	05/16/00	11	03	1	LT 500	
					2	425 J	
					3	503	
					Average Concentration for Cross Section 03 :		*476*
RDX	05/05/00	05/16/00	11	05	1	LT 476	
					2	LT 500	
					3	LT 500	
					Average Concentration for Cross Section 05 :		*492*
RDX	05/05/00	05/16/00	11	07	1	301 J	
					2	674	
					3	LT 500	
					Average Concentration for Cross Section 07 :		*492*
RDX	05/05/00	05/16/00	11	09	1	LT 500	
					2	LT 500	
					3	2200	
					Average Concentration for Cross Section 09 :		*1067*
RDX	05/05/00	05/16/00	11	11	1	2980	
					2	1710	
					3	886	
					Average Concentration for Cross Section 11 :		*1859*

Average Concentration for Windrow on Day 11 : ***877***

Standard Deviation: ***784***

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M160 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
TETRYL	05/05/00	05/16/00	11	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
TETRYL	05/05/00	05/16/00	11	05	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*492*
TETRYL	05/05/00	05/16/00	11	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
TETRYL	05/05/00	05/16/00	11	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
TETRYL	05/05/00	05/16/00	11	11	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 11 : ***495***

Standard Deviation: ***10***

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-161 Day 0: 05/12/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3	5760	12.1	2480	5.275	11605	20.375	19845
2	3.75	6400	12.1	2460	5.275	11605	21.125	20465
3	3.6	6150	13	2980	5.275	11605	21.875	20735
4	3	5700	12	2380	5.275	11605	20.275	19685
5	3.15	5800	12.15	2500	5.275	11605	20.575	19905
6	3.15	5800	12.15	2500	5.275	11605	20.575	19905
7	3	5700	11.5	2300	5.275	11605	19.775	19605
8	3	5700	12	2400	5.275	11605	20.275	19705
9	3.15	5800	12.15	2500	5.275	11605	20.575	19905
10	3.15	5800	12	2400	5.275	11605	20.425	19805
11	3	5700	13	2600	5.275	11605	21.275	19905
12	3.15	5840	12	2400	5.275	11605	20.425	19845
13	3.15	5820	12	2400	5.275	11605	20.425	19825
14	3.2	5900	12	2400	5.275	11605	20.475	19905
15	3.1	5700	12	2400	5.275	11605	20.375	19735
16	3.1	5730	12.1	2460	5.275	11605	20.475	19835
17	3.1	5770	12.15	2510	5.275	11605	20.525	19905
18	3.1	5790	12.1	2490	5.275	11605	20.475	19795
19	3	5700	12.1	2440	5.275	11605	20.375	19745
20	3	5700	12.1	2470	5.275	11605	20.375	19775
21	3.1	5740	12.1	2440	5.275	11605	20.475	19785
22	3.1	5740	12.1	2460	5.275	11605	20.475	19805
23	3.1	5760	12.1	2490	5.275	11605	20.475	19855
24	3	5700	12.1	2450	5.275	11605	20.375	19755
25	3.1	5770	12.15	2510	5.275	11605	20.525	19885
26	3.1	5720	12.15	2540	5.275	11605	20.525	19865
27	3.25	5840	12.25	3100	5.275	11605	20.775	20545
28	3.75	5995	12.15	2500	5.275	11605	21.175	20100
29	3.1	5730	11.75	2370	5.275	11605	20.125	19705
30	3.1	5790	12.1	2490	5.275	11605	20.475	19885
31	3.1	5750	12	2410	5.275	11605	20.375	19765
32	3.1	5720	12.15	2580	5.275	11605	20.525	19905
33	3.1	5780	12.1	2470	5.275	11605	20.475	19855
34	3	5710	12.1	2570	5.275	11605	20.375	19885
35	3.15	5820	12.15	2610	5.275	11605	20.575	20035
36	3.1	5780	12.1	2440	5.275	11605	20.475	19825
37	3.1	5750	12.2	2630	5.275	11605	20.575	19985
38	3.1	5720	12.15	2560	5.275	11605	20.525	19885
39	3.1	5730	12.1	2440	5.275	11605	20.475	19775
40	3.1	5790	12.15	2560	5.275	11605	20.525	19955
Total	125.5	231595	484.85	100090	211.00	464200	821.35	795885

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 161

PERFORMED BY: Howard

DATE: 5/10/00

INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5740	12.10	2460				
2	3.10	5760	12.10	2490				
3	3	5700	12.10	2450				
4	3.10	5770	12.15	2510				
5	3.10	5720	12.15	2540				
6	3.25	5840	12.25	3160				
7	3.25	5995	12.15	2560				
8	3.10	5780	11.75	2370				
9	3.10	5790	12.10	2490				
10	3.10	5750	12.	2410				
11	3.10	5720	12.15	2580				
12	3.10	5280	12.10	2470				
13	3	5710	12.10	2570				
14	3.15	5820	12.15	2610				
15	3.10	5780	12.10	2440				
16	3.10	5750	12.20	2630				
17	3.10	5720	12.15	2560				
18	3.10	5730	12.10	2440				
19	3.10	5790	12.15	2560				
Total								

Comments:

SOP 3.0 FIGURE 2a Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 161 PERFORMED BY: Norman

DATE: 5 1 4/100 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5760	12.10	2480				
2	3.75	6400	12.10	2460				
3	3.60	6150	13	2980				
4	3	5700	12	2380				
5	3.15	5800	12.15	2500				
6	3.15	5800	12.15	2500				
7	3	5700	11.50	2300				
8	3	5700	12	2400				
9	3.15	5800	12.15	2500				
10	3.15	5800	12	2400				
11	3	5700	13	2600				
12	3.15	5838	12	2700				
13	3.15	5820	12	2700				
14	3.20	5900	12	2400				
15	3.10	5700	12	2400				
16	3.10	5730	12.10	2460				
17	3.10	5770	12.15	2510				
18	3.10	5790	12.10	2490				
19	3	5700	12.10	2470				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 161 PERFORMED BY: Howard

DATE: 5/1/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3	5700	12.10	2470				
21	3.10	5740	12.10	2440				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
M161	5/12/00	5/12/00	0		43.17
		5/13/00	1	59.83	51.57
		5/14/00	2	59.77	55.13
		5/15/00	3	61.20	58.77
		5/16/00	4	61.57	59.07

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M161	5/12/00	5/12/00	0		
		5/13/00	1		
		5/14/00	2		
		5/15/00	3		
		5/16/00	4		

All average Oxygen values are expressed as a percent

Friday, June 28, 2002

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M161	5/12/00	5/12/00	0		60.28
		5/13/00	1		
		5/14/00	2		
		5/15/00	3		64.44
		5/16/00	4		

All average MWHC values are expressed in percent

Windrow Number: M161 *1,3,5-TRINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
135TNB	05/12/00	05/22/00	10	03	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*500*
135TNB	05/12/00	05/22/00	10	05	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*500*
135TNB	05/12/00	05/22/00	10	07	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*500*
135TNB	05/12/00	05/22/00	10	09	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*500*
135TNB	05/12/00	05/22/00	10	11	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*500*

Average Concentration for Windrow on Day 10 : ***500***

Standard Deviation: ***0***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M161 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	05/12/00	05/22/00	10	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
13DNB	05/12/00	05/22/00	10	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
13DNB	05/12/00	05/22/00	10	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
13DNB	05/12/00	05/22/00	10	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
13DNB	05/12/00	05/22/00	10	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 10 : 500

Standard Deviation: 0

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M161 *2,4,6-TRINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
246TNT	05/12/00	05/22/00	10	03	1	LT 500	
					2	LT 500	
					3	862	
				Average Concentration for Cross Section 03 :			*621*
246TNT	05/12/00	05/22/00	10	05	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*500*
246TNT	05/12/00	05/22/00	10	07	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*500*
246TNT	05/12/00	05/22/00	10	09	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*500*
246TNT	05/12/00	05/22/00	10	11	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*500*

Average Concentration for Windrow on Day 10 : ***524***

Standard Deviation: ***93***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M161

2,4-DINITROTOLUENE Results

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
24DNT	05/12/00	05/22/00	10	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
24DNT	05/12/00	05/22/00	10	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
24DNT	05/12/00	05/22/00	10	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
24DNT	05/12/00	05/22/00	10	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
24DNT	05/12/00	05/22/00	10	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 10 : 500

Standard Deviation: 0

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M161 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
26DNT	05/12/00	05/22/00	10	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
26DNT	05/12/00	05/22/00	10	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
26DNT	05/12/00	05/22/00	10	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
26DNT	05/12/00	05/22/00	10	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
26DNT	05/12/00	05/22/00	10	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 10 : 500

Standard Deviation: 0

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M161 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	05/12/00	05/22/00	10	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
2A46DT	05/12/00	05/22/00	10	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
2A46DT	05/12/00	05/22/00	10	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
2A46DT	05/12/00	05/22/00	10	09	1	LT	500	
					2	LT	500	
					3		164 J	
				Average Concentration for Cross Section 09 :				*388*
2A46DT	05/12/00	05/22/00	10	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 10 : 478

Standard Deviation: 87

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M161 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
2NT	05/12/00	05/22/00	10	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
2NT	05/12/00	05/22/00	10	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
2NT	05/12/00	05/22/00	10	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
2NT	05/12/00	05/22/00	10	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
2NT	05/12/00	05/22/00	10	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 10 : 500

Standard Deviation: 0

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: M161 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	05/12/00	05/22/00	10	03	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*500*
3NT	05/12/00	05/22/00	10	05	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*500*
3NT	05/12/00	05/22/00	10	07	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*500*
3NT	05/12/00	05/22/00	10	09	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*500*
3NT	05/12/00	05/22/00	10	11	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 11 :			*500*

Average Concentration for Windrow on Day 10 : 500

Standard Deviation: 0

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: M161 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4A26DT	05/12/00	05/22/00	10	03	1	LT	500
					2		365 J
					3		526
				Average Concentration for Cross Section 03 :			*464*
4A26DT	05/12/00	05/22/00	10	05	1	LT	500
					2	LT	500
					3		253 J
				Average Concentration for Cross Section 05 :			*418*
4A26DT	05/12/00	05/22/00	10	07	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*500*
4A26DT	05/12/00	05/22/00	10	09	1	LT	500
					2	LT	500
					3		351 J
				Average Concentration for Cross Section 09 :			*450*
4A26DT	05/12/00	05/22/00	10	11	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 11 :			*500*

Average Concentration for Windrow on Day 10 : 466

Standard Deviation: 78

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M161 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4NT	05/12/00	05/22/00	10	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
4NT	05/12/00	05/22/00	10	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
4NT	05/12/00	05/22/00	10	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
4NT	05/12/00	05/22/00	10	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
4NT	05/12/00	05/22/00	10	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 10 : 500

Standard Deviation: 0

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M161 *HMX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
HMX	05/12/00	05/22/00	10	03	1	185 J	
					2	1210	
					3	154 J	
				Average Concentration for Cross Section 03 :			*516*
HMX	05/12/00	05/22/00	10	05	1	LT 500	
					2	254 J	
					3	1140	
				Average Concentration for Cross Section 05 :			*631*
HMX	05/12/00	05/22/00	10	07	1	LT 500	
					2	LT 500	
					3	195 J	
				Average Concentration for Cross Section 07 :			*398*
HMX	05/12/00	05/22/00	10	09	1	LT 500	
					2	431 J	
					3	735	
				Average Concentration for Cross Section 09 :			*555*
HMX	05/12/00	05/22/00	10	11	1	LT 500	
					2	LT 500	
					3	112 J	
				Average Concentration for Cross Section 11 :			*371*

Average Concentration for Windrow on Day 10 : 494

Standard Deviation: 327

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M161 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	05/12/00	05/22/00	10	03	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*500*
NB	05/12/00	05/22/00	10	05	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*500*
NB	05/12/00	05/22/00	10	07	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*500*
NB	05/12/00	05/22/00	10	09	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*500*
NB	05/12/00	05/22/00	10	11	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*500*

Average Concentration for Windrow on Day 10 : 500

Standard Deviation: 0

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M161 *RDX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
RDX	05/12/00	05/22/00	10	03	1	608	
					2	4100	
					3	623	
				Average Concentration for Cross Section 03 :			*1777*
RDX	05/12/00	05/22/00	10	05	1	LT 500	
					2	407 J	
					3	753	
				Average Concentration for Cross Section 05 :			*553*
RDX	05/12/00	05/22/00	10	07	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*500*
RDX	05/12/00	05/22/00	10	09	1	LT 500	
					2	LT 500	
					3	1150	
				Average Concentration for Cross Section 09 :			*717*
RDX	05/12/00	05/22/00	10	11	1	LT 500	
					2	LT 500	
					3	330 J	
				Average Concentration for Cross Section 11 :			*443*

Average Concentration for Windrow on Day 10 : ***798***

Standard Deviation: ***933***

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M161 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
TETRYL	05/12/00	05/22/00	10	03	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*500*
TETRYL	05/12/00	05/22/00	10	05	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*500*
TETRYL	05/12/00	05/22/00	10	07	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*500*
TETRYL	05/12/00	05/22/00	10	09	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*500*
TETRYL	05/12/00	05/22/00	10	11	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*500*

Average Concentration for Windrow on Day 10 : 500

Standard Deviation: 0

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-162 Day 0: 05/15/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5770	12.4	2570	5.275	11605	20.375	19945
2	3.2	5810	12	2390	5.275	11605	20.475	19805
3	3.25	5850	12	2450	5.275	11605	20.525	19905
4	3	5720	11.95	2370	5.275	11605	20.225	19695
5	3.2	5820	12.4	2510	5.275	11605	20.875	19935
6	3.1	5770	12	2400	5.275	11605	20.375	19775
7	3.2	5800	12.4	2580	5.275	11605	20.875	19985
8	3	5750	12	2400	5.275	11605	20.275	19755
9	3.1	5780	12.25	2600	5.275	11605	20.625	19985
10	3	5700	12	2400	5.275	11605	20.275	19705
11	3.15	5800	11.75	2300	5.275	11605	20.175	19705
12	3.15	5800	11.75	2300	5.275	11605	20.175	19705
13	3	5700	12	2400	5.275	11605	20.275	19705
14	3.15	5800	12	2400	5.275	11605	20.425	19805
15	3	5770	12.1	2450	5.275	11605	20.375	19825
16	3.15	5820	12.1	2470	5.275	11605	20.525	19895
17	3.1	5710	12	2400	5.275	11605	20.375	19715
18	3	5700	12.15	2530	5.275	11605	20.425	19835
19	3.1	5790	12.1	2460	5.275	11605	20.475	19855
20	3.1	5750	12.15	2570	5.275	11605	20.525	19925
21	3.1	5770	12	2400	5.275	11605	20.375	19775
22	3.1	5730	12.1	2490	5.275	11605	20.475	19825
23	3	5700	12.15	2540	5.275	11605	20.425	19845
24	3.1	5770	12.1	2490	5.275	11605	20.475	19865
25	3.15	5820	12.15	2550	5.275	11605	20.575	19975
26	3.1	5760	12.1	2420	5.275	11605	20.475	19785
27	3.1	5720	12.15	2580	5.275	11605	20.525	19905
28	3.1	5740	12.1	2490	5.275	11605	20.475	19835
29	3	5700	12.1	2450	5.275	11605	20.375	19755
30	3.1	5780	12.15	2560	5.275	11605	20.525	19945
31	3	5710	12.1	2490	5.275	11605	20.375	19805
32	3.1	5750	12.15	2570	5.275	11605	20.525	19925
33	3	5700	12.1	2440	5.275	11605	20.375	19745
34	3.1	5740	12	2400	5.275	11605	20.375	19745
35	3.1	5730	12.1	2580	5.275	11605	20.475	19915
36	3.1	5790	12.1	2450	5.275	11605	20.475	19845
37	3.1	5770	12.1	2470	5.275	11605	20.475	19845
38	3.1	5780	12.15	2560	5.275	11605	20.525	19945
39					5.275	11605	5.275	11605
40					5.275	11605	5.275	11605
Total	117.5	218870	459.4	93880	211.00	464200	787.5	776950

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 162 PERFORMED BY: Howard

DATE: 5/17/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier:		STRAW Supplier:		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5750	12.15	2570				
2	3.10	5770	12	2400				
3	3.10	5730	12.10	2470				
4	3	5700	12.15	2540				
5	3.10	5770	12.10	2490				
6	3.15	5820	12.15	2550				
7	3.10	5760	12.10	2420				
8	3.10	5720	12.15	2580				
9	3.10	5740	12.10	2490				
10	3	5700	12.10	2450				
11	3.10	5780	12.15	2560				
12	3	5710	12.10	2490				
	3.10	5750	12.15	2570				
14	3	5700	12.10	2470				
15	3.10	5740	12	2400				
16	3.10	5730	12.10	2580				
17	3.10	5790	12.10	2450				
18	3.10	5770	12.10	2470				
19	310	5780	12.15	2560				
Total								

Comments:

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 5W2

PERFORMED BY: _____

DATE: 5/15/00

INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: Wabash Valley Produce		STRAW Supplier: Lowden Mill		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	~~5770~~ 3.10	5770	12.40	2570				
2	3.20	5810	12	2390				
3	3.25	5850	12	2450				
4	3	5720	11.95	2370				
5	3.20	5820	12.40	2510				
6	3.10	5770	12	2400				
7	3.20	5800	12.40	2580				
8	3	5750	12	2400				
9	3.10	5780	12.5	2600				
10	3	5700	12	2400				
11	3.15	5800	11.75	2300				
12	3.15	5800	11.75	2300				
13	3	5700	12	2400				
14	3.15	5800	12	2400				
15	3.10	5770	12.10	2450				
16	3.15	5820	12.10	2470				
17	3.10	5770	12	2400				
18	3	5700	12.15	2530				
19	3.10	5790	12.10	2460				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
S162	5/15/00	5/15/00	0		28.60
		5/16/00	1	51.00	41.40
		5/17/00	2	60.23	59.30
		5/18/00	3	62.90	56.03
		5/19/00	4	63.50	58.00
		5/20/00	5	62.77	60.43
		5/21/00	6	62.40	61.17
		5/22/00	7	67.83	59.97
		5/23/00	8	65.30	61.33
		5/24/00	9	66.60	65.77

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S162	5/15/00	5/15/00	0		
		5/16/00	1		
		5/17/00	2		
		5/18/00	3		
		5/19/00	4		
		5/20/00	5		
		5/21/00	6		
		5/22/00	7		
		5/23/00	8		
		5/24/00	9		

All average Oxygen values are expressed as a percent

Friday, June 28, 2002

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S162	5/15/00	5/15/00	0		55.86
		5/16/00	1		63.18
		5/17/00	2		
		5/18/00	3		
		5/19/00	4		
		5/20/00	5		
		5/21/00	6		
		5/22/00	7		58.56
		5/23/00	8		53.68
		5/24/00	9		

All average MWHC values are expressed in percent

Windrow Number: S162 *1,3,5-TRINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
135TNB	05/15/00	05/25/00	10	03	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*484*
135TNB	05/15/00	05/25/00	10	05	1	LT	476	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*477*
135TNB	05/15/00	05/25/00	10	07	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*492*
135TNB	05/15/00	05/25/00	10	09	1	LT	476	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*461*
135TNB	05/15/00	05/25/00	10	11	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 10 : 480

Standard Deviation: 17

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: S162 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	05/15/00	05/25/00	10	03	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*484*
13DNB	05/15/00	05/25/00	10	05	1	LT	476	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*477*
13DNB	05/15/00	05/25/00	10	07	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*492*
13DNB	05/15/00	05/25/00	10	09	1	LT	476	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*461*
13DNB	05/15/00	05/25/00	10	11	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 10 : 480

Standard Deviation: 17

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: S162 *2,4,6-TRINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
246TNT	05/15/00	05/25/00	10	03	1	LT 500	
					2	963	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*646*
246TNT	05/15/00	05/25/00	10	05	1	LT 476	
					2	LT 454	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*477*
246TNT	05/15/00	05/25/00	10	07	1	LT 500	
					2	LT 500	
					3	3330	
				Average Concentration for Cross Section 07 :			*1443*
246TNT	05/15/00	05/25/00	10	09	1	LT 476	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 09 :			*461*
246TNT	05/15/00	05/25/00	10	11	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 10 : ***702***

Standard Deviation: ***738***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S162 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
24DNT	05/15/00	05/25/00	10	03	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*484*
24DNT	05/15/00	05/25/00	10	05	1	LT 476	
					2	LT 454	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*477*
24DNT	05/15/00	05/25/00	10	07	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*492*
24DNT	05/15/00	05/25/00	10	09	1	LT 476	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 09 :			*461*
24DNT	05/15/00	05/25/00	10	11	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 10 : 480

Standard Deviation: 17

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S162 **2,6-DINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	05/15/00	05/25/00	10	03	1	LT 500	
					2	LT 476	
					3	LT 476	
					Average Concentration for Cross Section 03 :		*484*
26DNT	05/15/00	05/25/00	10	05	1	LT 476	
					2	LT 454	
					3	LT 500	
					Average Concentration for Cross Section 05 :		*477*
26DNT	05/15/00	05/25/00	10	07	1	LT 500	
					2	LT 500	
					3	LT 476	
					Average Concentration for Cross Section 07 :		*492*
26DNT	05/15/00	05/25/00	10	09	1	LT 476	
					2	LT 454	
					3	LT 454	
					Average Concentration for Cross Section 09 :		*461*
26DNT	05/15/00	05/25/00	10	11	1	LT 500	
					2	LT 476	
					3	LT 476	
					Average Concentration for Cross Section 11 :		*484*

Average Concentration for Windrow on Day 10 : ***480***

Standard Deviation: *17*

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: S162 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	05/15/00	05/25/00	10	03	1	LT	500	
					2	LT	476	
					3		49.3 J	
				Average Concentration for Cross Section 03 :				*342*
2A46DT	05/15/00	05/25/00	10	05	1	LT	476	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*477*
2A46DT	05/15/00	05/25/00	10	07	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*492*
2A46DT	05/15/00	05/25/00	10	09	1	LT	476	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*461*
2A46DT	05/15/00	05/25/00	10	11	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 10 : 451

Standard Deviation: 112

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: S162 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	05/15/00	05/25/00	10	03	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*484*
2NT	05/15/00	05/25/00	10	05	1	LT 476	
					2	LT 454	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*477*
2NT	05/15/00	05/25/00	10	07	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*492*
2NT	05/15/00	05/25/00	10	09	1	LT 476	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 09 :			*461*
2NT	05/15/00	05/25/00	10	11	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 10 : 480

Standard Deviation: 17

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: S162 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
3NT	05/15/00	05/25/00	10	03	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 03 :			*484*
3NT	05/15/00	05/25/00	10	05	1	LT	476
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 05 :			*477*
3NT	05/15/00	05/25/00	10	07	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 07 :			*492*
3NT	05/15/00	05/25/00	10	09	1	LT	476
					2	LT	454
					3	LT	454
				Average Concentration for Cross Section 09 :			*461*
3NT	05/15/00	05/25/00	10	11	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 10 : 480

Standard Deviation: 17

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: S162 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	05/15/00	05/25/00	10	03	1	LT 500	
					2	586	
					3	304 J	
				Average Concentration for Cross Section 03 :			*463*
4A26DT	05/15/00	05/25/00	10	05	1	LT 476	
					2	LT 454	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*477*
4A26DT	05/15/00	05/25/00	10	07	1	LT 500	
					2	280 J	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*419*
4A26DT	05/15/00	05/25/00	10	09	1	LT 476	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 09 :			*461*
4A26DT	05/15/00	05/25/00	10	11	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 10 : 461

Standard Deviation: 76

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: S162 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4NT	05/15/00	05/25/00	10	03	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*484*
4NT	05/15/00	05/25/00	10	05	1	LT 476	
					2	LT 454	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*477*
4NT	05/15/00	05/25/00	10	07	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*492*
4NT	05/15/00	05/25/00	10	09	1	LT 476	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 09 :			*461*
4NT	05/15/00	05/25/00	10	11	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 10 : 480

Standard Deviation: 17

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: S162 *HMX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
HMX	05/15/00	05/25/00	10	03	1	LT	500	
					2		1490	
					3		1140	
				Average Concentration for Cross Section 03 :				*1043*
HMX	05/15/00	05/25/00	10	05	1		305 J	
					2		877	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*561*
HMX	05/15/00	05/25/00	10	07	1	LT	500	
					2		2060	
					3		2600	
				Average Concentration for Cross Section 07 :				*1720*
HMX	05/15/00	05/25/00	10	09	1	LT	476	
					2		452 J	
					3		540	
				Average Concentration for Cross Section 09 :				*489*
HMX	05/15/00	05/25/00	10	11	1	LT	500	
					2		672	
					3		858	
				Average Concentration for Cross Section 11 :				*677*

Average Concentration for Windrow on Day 10 : ***898***

Standard Deviation: ***665***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: S162 *NITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
NB	05/15/00	05/25/00	10	03	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*484*
NB	05/15/00	05/25/00	10	05	1	LT	476	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*477*
NB	05/15/00	05/25/00	10	07	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*492*
NB	05/15/00	05/25/00	10	09	1	LT	476	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*461*
NB	05/15/00	05/25/00	10	11	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 10 : ***480***

Standard Deviation: *17*

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: S162 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
RDX	05/15/00	05/25/00	10	03	1	LT 500	
					2	2620	
					3	607	
				Average Concentration for Cross Section 03 :			*1242*
RDX	05/15/00	05/25/00	10	05	1	3200	
					2	952	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*1551*
RDX	05/15/00	05/25/00	10	07	1	LT 500	
					2	4880	
					3	13900	
				Average Concentration for Cross Section 07 :			*6427*
RDX	05/15/00	05/25/00	10	09	1	330 J	
					2	312 J	
					3	1140	
				Average Concentration for Cross Section 09 :			*594*
RDX	05/15/00	05/25/00	10	11	1	416 J	
					2	LT 476	
					3	1410	
				Average Concentration for Cross Section 11 :			*767*

Average Concentration for Windrow on Day 10 : 2116

Standard Deviation: 3514

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: S162 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
TETRYL	05/15/00	05/25/00	10	03	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*484*
TETRYL	05/15/00	05/25/00	10	05	1	LT	476	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*477*
TETRYL	05/15/00	05/25/00	10	07	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*492*
TETRYL	05/15/00	05/25/00	10	09	1	LT	476	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*461*
TETRYL	05/15/00	05/25/00	10	11	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 10 : 480

Standard Deviation: 17

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-163 Day 0: 05/17/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5770	12.1	2420	5.275	11605	20.525	19795
2	3.1	5720	12.15	2550	5.275	11605	20.525	19875
3	3.1	5750	12.15	2570	5.275	11605	20.525	19925
4	3.1	5790	12.1	2490	5.275	11605	20.475	19885
5	3.1	5760	12.15	2530	5.275	11605	20.525	19895
6	3.1	5740	12	2400	5.275	11605	20.375	19745
7	3	5700	12.1	2450	5.275	11605	20.375	19755
8	3.1	5720	12.15	2550	5.275	11605	20.525	19875
9	3.15	5820	12.1	2470	5.275	11605	20.525	19895
10	3.15	5800	12	2400	5.275	11605	20.425	19805
11	3.1	5770	12.1	2420	5.275	11605	20.475	19795
12	3	5700	11.75	2350	5.275	11605	20.025	19655
13	3.1	5740	12.1	2490	5.275	11605	20.475	19835
14	3.1	5770	12.1	2450	5.275	11605	20.475	19825
15	3.1	5750	12.15	2530	5.275	11605	20.525	19885
16	3.1	5790	12.15	2570	5.275	11605	20.525	19965
17	3.15	5820	12.1	2490	5.275	11605	20.525	19915
18	3.15	5880	12.2	2630	5.275	11605	20.625	20115
19	3.1	5760	12.1	2450	5.275	11605	20.475	19815
20	3.1	5730	12.1	2450	5.275	11605	20.475	19785
21	3.1	5750	12	2400	5.275	11605	20.375	19755
22	3.15	5820	12.1	2450	5.275	11605	20.525	19875
23	3.1	5720	12.1	2460	5.275	11605	20.475	19785
24	3	5700	12.1	2430	5.275	11605	20.375	19735
25	3.1	5800	12.15	2550	5.275	11605	20.525	19955
26	3.5	5910	12.75	2680	5.275	11605	21.525	20195
27	3.1	5780	12	2400	5.275	11605	20.375	19785
28	3.15	5820	12.15	2580	5.275	11605	20.575	20005
29	3.35	5870	12	2420	5.275	11605	20.625	19895
30	3.5	5900	12	2450	5.275	11605	20.775	19955
31	3.75	6010	13	2780	5.275	11605	22.025	20395
32	4	6140	13.5	3020	5.275	11605	22.775	20765
33	3.6	5950	13	2750	5.275	11605	21.875	20305
34	3.15	5820	12.15	2540	5.275	11605	20.575	19965
35	3	5710	12	2370	5.275	11605	20.275	19685
36	3.15	5840	12.15	2570	5.275	11605	20.575	20015
37	3.05	5750	12.7	2650	5.275	11605	21.025	20005
38	3.1	5770	12.1	2440	5.275	11605	20.475	19815
39	3.15	5810	12.1	2490	5.275	11605	20.525	19905
40					5.275	11605	5.275	11605
Total	124	226150	475.9	98090	211.00	464200	810.95	788440

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # S Windrow # 163 PERFORMED BY: Howard

DATE: 5 1/6100 INSPECTED BY: _____

Design Quantity: Chicken Manure 8 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5770	12.10	2420				
2	3.10	5720	12.15	2550				
3	3.10	5750	12.15	2570				
4	3.10	5790	12.10	2490				
5	3.10	5760	12.15	2530				
6	3.10	5740	12	2400				
7	3	5700	12.10	2450				
8	3.10	5720	12.15	2550				
9	3.15	5820	12.10	2470				
10	3.15	5900	12	2400				
11	3.10	5770	12.10	2420				
12	3	5700	11.75	2350				
13	3.10	5740	12.10	2490				
14	3.10	5770	12.10	2450				
15	3.10	5750	12.15	2530				
16	3.10	5790	12.15	2570				
17	3.15	5820	12.10	2490				
18	3.15	5870	12.20	2630				
19	3.10	5760	12.10	2450				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 163 PERFORMED BY: Howard

DATE: 5 1/6/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5730	12.10	2450				
21	3.10	5750	12	2400				
22	3.15	5820	12.10	2450				
23	3.10	5720	12.10	2460				
24	3	5700	12.10	2430				
Total								

Comments:

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 5163 PERFORMED BY: [illegible]

DATE: 5/6/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5800	12.15	2550				
2	3.50	5910	12.25	2680				
3	3.10	5780	12	2400				
4	3.15	5820	12.15	2580				
5	3.35	5870	12	2420				
6	3.50	5900	12	2450				
7	3.75	6010	13.00	2780				
8	4	6140	13.50	3020				
9	3.60	5950	13	2750				
10	3.15	5820	12.15	2540				
11	3	5710	12	2370				
12	3.75	5840	12.15	2570				
13	3.05	5750	12.20	2650				
14	3.10	5770	12.10	2440				
15	3.15	5810	12.10	2490				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
S163	5/17/00	5/17/00	0		35.53
		5/18/00	1	58.80	46.83
		5/19/00	2	62.30	57.07
		5/20/00	3	64.07	57.90
		5/21/00	4	63.07	60.60
		5/22/00	5	65.33	63.00
		5/23/00	6	65.60	64.07
		5/25/00	8	69.93	64.17

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S163	5/17/00	5/17/00	0		
		5/18/00	1		
		5/19/00	2		
		5/20/00	3		
		5/21/00	4		
		5/22/00	5		
		5/23/00	6		
		5/25/00	8		

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S163	5/17/00	5/17/00	0		54.06
		5/18/00	1		
		5/19/00	2		
		5/20/00	3		
		5/21/00	4		
		5/22/00	5		47.94
		5/23/00	6		56.16
		5/25/00	8		

All average MWHC values are expressed in percent

Windrow Number: S163 *1,3,5-TRINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
135TNB	05/17/00	05/25/00	8	03	1	LT	500	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*477*
135TNB	05/17/00	05/25/00	8	05	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*484*
135TNB	05/17/00	05/25/00	8	07	1	LT	435	
					2	LT	435	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*449*
135TNB	05/17/00	05/25/00	8	09	1	LT	454	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*485*
135TNB	05/17/00	05/25/00	8	11	1	LT	500	
					2	LT	500	
					3	LT	435	
				Average Concentration for Cross Section 11 :				*478*

Average Concentration for Windrow on Day 8 : ***474***

Standard Deviation: ***26***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: S163 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	05/17/00	05/25/00	8	03	1	LT	500	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*477*
13DNB	05/17/00	05/25/00	8	05	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*484*
13DNB	05/17/00	05/25/00	8	07	1	LT	435	
					2	LT	435	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*449*
13DNB	05/17/00	05/25/00	8	09	1	LT	454	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*485*
13DNB	05/17/00	05/25/00	8	11	1	LT	500	
					2	LT	500	
					3	LT	435	
				Average Concentration for Cross Section 11 :				*478*

Average Concentration for Windrow on Day 8 : ***474***

Standard Deviation: ***26***

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: S163 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
246TNT	05/17/00	05/25/00	8	03	1	LT	500
					2		217 J
					3		144 J
				Average Concentration for Cross Section 03 :			*287*
246TNT	05/17/00	05/25/00	8	05	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 05 :			*484*
246TNT	05/17/00	05/25/00	8	07	1	LT	435
					2	LT	435
					3		138 J
				Average Concentration for Cross Section 07 :			*336*
246TNT	05/17/00	05/25/00	8	09	1	LT	454
					2	LT	500
					3		86.2 J
				Average Concentration for Cross Section 09 :			*347*
246TNT	05/17/00	05/25/00	8	11	1	LT	500
					2	LT	500
					3	LT	435
				Average Concentration for Cross Section 11 :			*478*

Average Concentration for Windrow on Day 8 : 386

Standard Deviation: 154

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S163 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	05/17/00	05/25/00	8	03	1	LT	500	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*477*
24DNT	05/17/00	05/25/00	8	05	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*484*
24DNT	05/17/00	05/25/00	8	07	1	LT	435	
					2	LT	435	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*449*
24DNT	05/17/00	05/25/00	8	09	1	LT	454	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*485*
24DNT	05/17/00	05/25/00	8	11	1	LT	500	
					2	LT	500	
					3	LT	435	
				Average Concentration for Cross Section 11 :				*478*

Average Concentration for Windrow on Day 8 : ***474***

Standard Deviation: ***26***

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S163 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
26DNT	05/17/00	05/25/00	8	03	1	LT	500	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*477*
26DNT	05/17/00	05/25/00	8	05	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*484*
26DNT	05/17/00	05/25/00	8	07	1	LT	435	
					2	LT	435	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*449*
26DNT	05/17/00	05/25/00	8	09	1	LT	454	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*485*
26DNT	05/17/00	05/25/00	8	11	1	LT	500	
					2	LT	500	
					3	LT	435	
				Average Concentration for Cross Section 11 :				*478*

Average Concentration for Windrow on Day 8 : ***474***

Standard Deviation: ***26***

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: S163 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	05/17/00	05/25/00	8	03	1	LT	500	
					2		88.2 J	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*355*
2A46DT	05/17/00	05/25/00	8	05	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*484*
2A46DT	05/17/00	05/25/00	8	07	1	LT	435	
					2	LT	435	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*449*
2A46DT	05/17/00	05/25/00	8	09	1	LT	454	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*485*
2A46DT	05/17/00	05/25/00	8	11	1	LT	500	
					2	LT	500	
					3	LT	435	
				Average Concentration for Cross Section 11 :				*478*

Average Concentration for Windrow on Day 8 : 450

Standard Deviation: 103

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: S163 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	05/17/00	05/25/00	8	03	1	LT	500
					2	LT	454
					3	LT	476
				Average Concentration for Cross Section 03 :			*477*
2NT	05/17/00	05/25/00	8	05	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 05 :			*484*
2NT	05/17/00	05/25/00	8	07	1	LT	435
					2	LT	435
					3	LT	476
				Average Concentration for Cross Section 07 :			*449*
2NT	05/17/00	05/25/00	8	09	1	LT	454
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*485*
2NT	05/17/00	05/25/00	8	11	1	LT	500
					2	LT	500
					3	LT	435
				Average Concentration for Cross Section 11 :			*478*

Average Concentration for Windrow on Day 8 : ***474***

Standard Deviation: ***26***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: S163 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
3NT	05/17/00	05/25/00	8	03	1	LT	500	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*477*
3NT	05/17/00	05/25/00	8	05	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*484*
3NT	05/17/00	05/25/00	8	07	1	LT	435	
					2	LT	435	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*449*
3NT	05/17/00	05/25/00	8	09	1	LT	454	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*485*
3NT	05/17/00	05/25/00	8	11	1	LT	500	
					2	LT	500	
					3	LT	435	
				Average Concentration for Cross Section 11 :				*478*

Average Concentration for Windrow on Day 8 : ***474***

Standard Deviation: ***26***

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: S163 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
4A26DT	05/17/00	05/25/00	8	03	1	LT	500	
					2		252 J	
					3		160 J	
				Average Concentration for Cross Section 03 :				*304*
4A26DT	05/17/00	05/25/00	8	05	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*484*
4A26DT	05/17/00	05/25/00	8	07	1	LT	435	
					2	LT	435	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*449*
4A26DT	05/17/00	05/25/00	8	09	1	LT	454	
					2		182 J	
					3		254 J	
				Average Concentration for Cross Section 09 :				*297*
4A26DT	05/17/00	05/25/00	8	11	1	LT	500	
					2	LT	500	
					3	LT	435	
				Average Concentration for Cross Section 11 :				*478*

Average Concentration for Windrow on Day 8 : 402

Standard Deviation: 123

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: S163 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4NT	05/17/00	05/25/00	8	03	1	LT	500	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*477*
4NT	05/17/00	05/25/00	8	05	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*484*
4NT	05/17/00	05/25/00	8	07	1	LT	435	
					2	LT	435	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*449*
4NT	05/17/00	05/25/00	8	09	1	LT	454	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*485*
4NT	05/17/00	05/25/00	8	11	1	LT	500	
					2	LT	500	
					3	LT	435	
				Average Concentration for Cross Section 11 :				*478*

Average Concentration for Windrow on Day 8 : ***474***

Standard Deviation: ***26***

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: S163 *HMX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
HMX	05/17/00	05/25/00	8	03	1	385 J	
					2	2440	
					3	2360	
				Average Concentration for Cross Section 03 :			*1728*
HMX	05/17/00	05/25/00	8	05	1	529	
					2	2550	
					3	1430	
				Average Concentration for Cross Section 05 :			*1503*
HMX	05/17/00	05/25/00	8	07	1	185 J	
					2	827	
					3	2480	
				Average Concentration for Cross Section 07 :			*1164*
HMX	05/17/00	05/25/00	8	09	1	LT 454	
					2	504	
					3	938	
				Average Concentration for Cross Section 09 :			*632*
HMX	05/17/00	05/25/00	8	11	1	803	
					2	347 J	
					3	438	
				Average Concentration for Cross Section 11 :			*529*

Average Concentration for Windrow on Day 8 : ***1111***

Standard Deviation: ***892***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: S163 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
NB	05/17/00	05/25/00	8	03	1	LT	500	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*477*
NB	05/17/00	05/25/00	8	05	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*484*
NB	05/17/00	05/25/00	8	07	1	LT	435	
					2	LT	435	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*449*
NB	05/17/00	05/25/00	8	09	1	LT	454	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*485*
NB	05/17/00	05/25/00	8	11	1	LT	500	
					2	LT	500	
					3	LT	435	
				Average Concentration for Cross Section 11 :				*478*

Average Concentration for Windrow on Day 8 : ***474***

Standard Deviation: ***26***

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: S163 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
RDX	05/17/00	05/25/00	8	03	1	2340	
					2	3390	
					3	3820	
				Average Concentration for Cross Section 03 :			*3183*
RDX	05/17/00	05/25/00	8	05	1	503	
					2	5280	
					3	1080	
				Average Concentration for Cross Section 05 :			*2288*
RDX	05/17/00	05/25/00	8	07	1	890	
					2	15600	
					3	15100	
				Average Concentration for Cross Section 07 :			*10530*
RDX	05/17/00	05/25/00	8	09	1	1020	
					2	847	
					3	2360	
				Average Concentration for Cross Section 09 :			*1409*
RDX	05/17/00	05/25/00	8	11	1	1120	
					2	2700	
					3	3110	
				Average Concentration for Cross Section 11 :			*2310*

Average Concentration for Windrow on Day 8 : 3944

Standard Deviation: 4820

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: S163 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	05/17/00	05/25/00	8	03	1	LT 500	
					2	LT 454	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*477*
TETRYL	05/17/00	05/25/00	8	05	1	LT 476	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*484*
TETRYL	05/17/00	05/25/00	8	07	1	LT 435	
					2	LT 435	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*449*
TETRYL	05/17/00	05/25/00	8	09	1	LT 454	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*485*
TETRYL	05/17/00	05/25/00	8	11	1	LT 500	
					2	LT 500	
					3	LT 435	
				Average Concentration for Cross Section 11 :			*478*

Average Concentration for Windrow on Day 8 : 474

Standard Deviation: 26

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-164 Day 0: 05/22/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3	5700	12	2400	5.275	11605	20.275	19705
2	3.25	5900	12	2400	5.275	11605	20.525	19905
3	3.5	6000	12.5	2600	5.275	11605	21.275	20205
4	3.6	6100	12.75	2800	5.275	11605	21.625	20505
5	3.6	6100	12.75	2800	5.275	11605	21.625	20505
6	3.5	6000	13	2900	5.275	11605	21.775	20505
7	3.25	5900	13	2900	5.275	11605	21.525	20405
8	3.25	5900	12.6	2700	5.275	11605	21.125	20205
9	3	5700	12	2400	5.275	11605	20.275	19705
10	3.15	5800	12.25	2500	5.275	11605	20.675	19905
11	3	5700	12.5	2600	5.275	11605	20.775	19905
12	3.15	5800	12.25	2500	5.275	11605	20.675	19905
13	3	5700	12.25	2500	5.275	11605	20.525	19805
14	3.15	5800	12	2400	5.275	11605	20.425	19805
15	3.15	5800	12.6	2700	5.275	11605	21.025	20025
16	3.1	5720	12.15	2560	5.275	11605	20.525	19865
17	3	5700	12.1	2470	5.275	11605	20.375	19835
18	3.1	5760	12.15	2590	5.275	11605	20.525	19915
19	3.1	5720	12.1	2460	5.275	11605	20.475	19795
20	3.1	5730	12.15	2550	5.275	11605	20.525	19885
21	3	5700	12.1	2470	5.275	11605	20.375	19775
22	3.1	5750	12.15	2570	5.275	11605	20.525	19925
23	3.1	5790	12.15	2520	5.275	11605	20.525	19915
24	3.1	5770	12.1	2490	5.275	11605	20.475	19865
25	3	5700	12.1	2420	5.275	11605	20.375	19725
26	3.15	5820	12.15	2590	5.275	11605	20.575	20015
27	3.1	5770	12.1	2490	5.275	11605	20.475	19865
28	3.1	5730	12.15	2590	5.275	11605	20.525	19925
29	3	5700	12.1	2490	5.275	11605	20.375	19795
30	3.1	5780	12.1	2550	5.275	11605	20.475	19935
31	3	5700	12.1	2480	5.275	11605	20.375	19785
32	3.1	5720	12.1	2420	5.275	11605	20.475	19745
33	3.15	5830	12.1	2450	5.275	11605	20.525	19885
34	3	5700	12.1	2460	5.275	11605	20.375	19815
35	3.1	5750	12.15	2450	5.275	11605	20.525	19865
36	3.15	5810	12.1	2440	5.275	11605	20.525	19745
37	3	5700	12.1	2420	5.275	11605	20.375	19725
38	3.1	5760	12.15	2500	5.275	11605	20.525	19865
39	3.1	5790	12.1	2490	5.275	11605	20.475	19885
40	3.15	5820	12.1	2450	5.275	11605	20.525	19875
Total	125.55	231620	489.4	101470	211.00	464200	825.95	797220

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 164 PERFORMED BY: Howard

DATE: 5 12 2100 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5750	12.15	2570				
2	3.10	5790	12.15	2520				
3	3.10	5770	12.10	2490				
4	3	5700	12.10	2420				
5	3.15	5820	12.15	2590				
6	3.10	5780	12.10	2490				
7	3.10	5730	12.15	2550				
8	3	5700	12.10	2480				
9	3.10	5780	12.10	2420				
10	3	5700	12.10	2440				
11	3.10	5720	12.10	2470				
12	3.15	5830	12.10	2450				
13	3	5700	12.10	2460				
14	3.10	5750	12.15	2540				
15	3.15	5810	12.10	2440				
16	3	5700	12.10	2420				
17	3.10	5760	12.15	2500				
18	3.10	5790	12.10	2490				
19	3.15	5820	12.10	2450				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 164 PERFORMED BY: H—D

DATE: 5 22 100 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5730	12.15	2550				
21	3	5700	12.10	2470				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 164 PERFORMED BY: [illegible]

DATE: 5 12 2100 INSPECTED BY: _____

Design Quantity: Chicken Manure 12 CY 2400 Pounds
Straw 3 CY 5700 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.0	5700	12	2400				
2	3.25	5900	12	2400				
3	3.50	6000	12.50	2400				
4	3.60	6100	12.75	2800				
5	3.60	6100	12.75	2800				
6	3.50	6000	13	2900				
7	3.25	5900	13	2900				
8	3.25	5900	12.60	2700				
9	3	5700	12	2400				
10	3.15	5800	12.25	2500				
11	3	5700	12.50	2600				
12	3.15	5800	12.25	2500				
13	3	5700	12.25	2500				
14	3.15	5800	12	2400				
15	3.15	5800	12.60	2700				
16	3.10	5720	12.15	2560				
17	3	5700	12.10	2470				
18	3.10	5760	12.15	2590				
19	3.10	5720	12.10	2460				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
M164	5/22/00	5/22/00	0		31.02
		5/23/00	1	52.57	48.13
		5/24/00	2	64.13	60.80
		5/25/00	3	65.97	60.10
		5/26/00	4	66.37	61.93
		5/27/00	5	64.30	59.77
		5/28/00	6	67.07	59.20
		5/30/00	8	65.30	60.53
		5/31/00	9	64.90	62.23

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M164	5/22/00	5/22/00	0		
		5/23/00	1		
		5/24/00	2		
		5/25/00	3		
		5/26/00	4		
		5/27/00	5		
		5/28/00	6		
		5/30/00	8		
		5/31/00	9		

All average Oxygen values are expressed as a percent

Friday, June 28, 2002

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M164	5/22/00	5/22/00	0		60.22
		5/23/00	1		
		5/24/00	2		
		5/25/00	3		
		5/26/00	4		
		5/27/00	5		50.16
		5/28/00	6		
		5/30/00	8		56.24
		5/31/00	9		58.78

All average MWHC values are expressed in percent

Windrow Number: M164 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	05/22/00	06/01/00	10	03	1	LT	454
					2	LT	454
					3	LT	476
				Average Concentration for Cross Section 03 :			*461*
135TNB	05/22/00	06/01/00	10	05	1	LT	454
					2	LT	454
					3	LT	454
				Average Concentration for Cross Section 05 :			*454*
135TNB	05/22/00	06/01/00	10	07	1	LT	476
					2	LT	435
					3	LT	435
				Average Concentration for Cross Section 07 :			*449*
135TNB	05/22/00	06/01/00	10	09	1	LT	435
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*478*
135TNB	05/22/00	06/01/00	10	11	1	LT	454
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 10 : ***464***

Standard Deviation: ***23***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M164 *1,3-DINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
13DNB	05/22/00	06/01/00	10	03	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*461*
13DNB	05/22/00	06/01/00	10	05	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*454*
13DNB	05/22/00	06/01/00	10	07	1	LT	476	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 07 :				*449*
13DNB	05/22/00	06/01/00	10	09	1	LT	435	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*478*
13DNB	05/22/00	06/01/00	10	11	1	LT	454	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*477*

Average Concentration for Windrow on Day 10 : 464

Standard Deviation: 23

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M164 *2,4,6-TRINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
246TNT	05/22/00	06/01/00	10	03	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*461*
246TNT	05/22/00	06/01/00	10	05	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*454*
246TNT	05/22/00	06/01/00	10	07	1	LT	476	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 07 :				*449*
246TNT	05/22/00	06/01/00	10	09	1	LT	435	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*478*
246TNT	05/22/00	06/01/00	10	11	1	LT	454	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*477*

Average Concentration for Windrow on Day 10 : ***464***

Standard Deviation: ***23***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M164 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	05/22/00	06/01/00	10	03	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*461*
24DNT	05/22/00	06/01/00	10	05	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*454*
24DNT	05/22/00	06/01/00	10	07	1	LT	476	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 07 :				*449*
24DNT	05/22/00	06/01/00	10	09	1	LT	435	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*478*
24DNT	05/22/00	06/01/00	10	11	1	LT	454	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*477*

Average Concentration for Windrow on Day 10 : 464

Standard Deviation: 23

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M164 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
26DNT	05/22/00	06/01/00	10	03	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*461*
26DNT	05/22/00	06/01/00	10	05	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*454*
26DNT	05/22/00	06/01/00	10	07	1	LT	476	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 07 :				*449*
26DNT	05/22/00	06/01/00	10	09	1	LT	435	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*478*
26DNT	05/22/00	06/01/00	10	11	1	LT	454	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*477*

Average Concentration for Windrow on Day 10 : ***464***

Standard Deviation: ***23***

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M164 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	05/22/00	06/01/00	10	03	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*461*
2A46DT	05/22/00	06/01/00	10	05	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*454*
2A46DT	05/22/00	06/01/00	10	07	1	LT	476	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 07 :				*449*
2A46DT	05/22/00	06/01/00	10	09	1	LT	435	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*478*
2A46DT	05/22/00	06/01/00	10	11	1	LT	454	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*477*

Average Concentration for Windrow on Day 10 : 464

Standard Deviation: 23

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M164 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	05/22/00	06/01/00	10	03	1	LT	454
					2	LT	454
					3	LT	476
				Average Concentration for Cross Section 03 :			*461*
2NT	05/22/00	06/01/00	10	05	1	LT	454
					2	LT	454
					3	LT	454
				Average Concentration for Cross Section 05 :			*454*
2NT	05/22/00	06/01/00	10	07	1	LT	476
					2	LT	435
					3	LT	435
				Average Concentration for Cross Section 07 :			*449*
2NT	05/22/00	06/01/00	10	09	1	LT	435
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*478*
2NT	05/22/00	06/01/00	10	11	1	LT	454
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 10 : ***464***

Standard Deviation: ***23***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: M164 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
3NT	05/22/00	06/01/00	10	03	1	LT	454
					2	LT	454
					3	LT	476
				Average Concentration for Cross Section 03 :			*461*
3NT	05/22/00	06/01/00	10	05	1	LT	454
					2	LT	454
					3	LT	454
				Average Concentration for Cross Section 05 :			*454*
3NT	05/22/00	06/01/00	10	07	1	LT	476
					2	LT	435
					3	LT	435
				Average Concentration for Cross Section 07 :			*449*
3NT	05/22/00	06/01/00	10	09	1	LT	435
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*478*
3NT	05/22/00	06/01/00	10	11	1	LT	454
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 10 : 464

Standard Deviation: 23

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: M164 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
4A26DT	05/22/00	06/01/00	10	03	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*461*
4A26DT	05/22/00	06/01/00	10	05	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*454*
4A26DT	05/22/00	06/01/00	10	07	1	LT	476	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 07 :				*449*
4A26DT	05/22/00	06/01/00	10	09	1	LT	435	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*478*
4A26DT	05/22/00	06/01/00	10	11	1	LT	454	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*477*

Average Concentration for Windrow on Day 10 : ***464***

Standard Deviation: ***23***

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M164 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4NT	05/22/00	06/01/00	10	03	1	LT	454
					2	LT	454
					3	LT	476
				Average Concentration for Cross Section 03 :			*461*
4NT	05/22/00	06/01/00	10	05	1	LT	454
					2	LT	454
					3	LT	454
				Average Concentration for Cross Section 05 :			*454*
4NT	05/22/00	06/01/00	10	07	1	LT	476
					2	LT	435
					3	LT	435
				Average Concentration for Cross Section 07 :			*449*
4NT	05/22/00	06/01/00	10	09	1	LT	435
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*478*
4NT	05/22/00	06/01/00	10	11	1	LT	454
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 10 : 464

Standard Deviation: 23

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M164 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
HMX	05/22/00	06/01/00	10	03	1		188 J	
					2		3260	
					3		667	
				Average Concentration for Cross Section 03 :				*1372*
HMX	05/22/00	06/01/00	10	05	1		225 J	
					2		4910	
					3		4040	
				Average Concentration for Cross Section 05 :				*3058*
HMX	05/22/00	06/01/00	10	07	1		498	
					2		594	
					3		923	
				Average Concentration for Cross Section 07 :				*672*
HMX	05/22/00	06/01/00	10	09	1		1390	
					2		319 J	
					3		1790	
				Average Concentration for Cross Section 09 :				*1166*
HMX	05/22/00	06/01/00	10	11	1	LT	454	
					2		744	
					3		940	
				Average Concentration for Cross Section 11 :				*713*

Average Concentration for Windrow on Day 10 : 1396

Standard Deviation: 1480

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M164 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	05/22/00	06/01/00	10	03	1	LT	454
					2	LT	454
					3	LT	476
				Average Concentration for Cross Section 03 :			*461*
NB	05/22/00	06/01/00	10	05	1	LT	454
					2	LT	454
					3	LT	454
				Average Concentration for Cross Section 05 :			*454*
NB	05/22/00	06/01/00	10	07	1	LT	476
					2	LT	435
					3	LT	435
				Average Concentration for Cross Section 07 :			*449*
NB	05/22/00	06/01/00	10	09	1	LT	435
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*478*
NB	05/22/00	06/01/00	10	11	1	LT	454
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 10 : 464

Standard Deviation: 23

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M164 *RDX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*		*Concentration*	UGKG
RDX	05/22/00	06/01/00	10	03	1	LT	454	
					2		3150	
					3		456 J	
				Average Concentration for Cross Section 03 :				*1353*
RDX	05/22/00	06/01/00	10	05	1		306 J	
					2		3710	
					3		6980	
				Average Concentration for Cross Section 05 :				*3665*
RDX	05/22/00	06/01/00	10	07	1		2480	
					2		1030	
					3		6580	
				Average Concentration for Cross Section 07 :				*3363*
RDX	05/22/00	06/01/00	10	09	1		7280	
					2	LT	500	
					3		8170	
				Average Concentration for Cross Section 09 :				*5317*
RDX	05/22/00	06/01/00	10	11	1		817	
					2		6170	
					3		1440	
				Average Concentration for Cross Section 11 :				*2809*

Average Concentration for Windrow on Day 10 : ***3302***

Standard Deviation: ***2937***

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M164 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
TETRYL	05/22/00	06/01/00	10	03	1	LT	454
					2	LT	454
					3	LT	476
				Average Concentration for Cross Section 03 :			*461*
TETRYL	05/22/00	06/01/00	10	05	1	LT	454
					2	LT	454
					3	LT	454
				Average Concentration for Cross Section 05 :			*454*
TETRYL	05/22/00	06/01/00	10	07	1	LT	476
					2	LT	435
					3	LT	435
				Average Concentration for Cross Section 07 :			*449*
TETRYL	05/22/00	06/01/00	10	09	1	LT	435
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*478*
TETRYL	05/22/00	06/01/00	10	11	1	LT	454
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 10 : ***464***

Standard Deviation: ***23***

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-165 Day 0: 05/31/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5750	12.1	2490	5.275	11605	20.475	19845
2	3.1	5720	12.1	2450	5.275	11605	20.475	19775
3	3.1	5770	12.15	2560	5.275	11605	20.525	19935
4	3.1	5780	12	2400	5.275	11605	20.375	19785
5	3.1	5760	12.15	2540	5.275	11605	20.525	19905
6	3.1	5770	12.15	2510	5.275	11605	20.525	19885
7	3	5700	12.1	2440	5.275	11605	20.375	19745
8	3.1	5740	12.15	2540	5.275	11605	20.525	19885
9	3.1	5730	12.15	2590	5.275	11605	20.525	19925
10	3.1	5730	12	2400	5.275	11605	20.375	19705
11	3	5700	12.1	2480	5.275	11605	20.375	19825
12	3.1	5740	12.1	2450	5.275	11605	20.475	19845
13	3.1	5790	11.9	2370	5.275	11605	20.275	19725
14	3.1	5750	12.15	2540	5.275	11605	20.525	19875
15	3.1	5730	12	2400	5.275	11605	20.375	19705
16	3.1	5740	12.1	2480	5.275	11605	20.475	20035
17	3	5700	12.1	2550	5.275	11605	20.375	19955
18	3.75	5950	13	2950	5.275	11605	22.025	20355
19	3.25	5800	12	2400	5.275	11605	20.525	19755
20	3.1	5750	12.15	2540	5.275	11605	20.525	19895
21	3.15	5810	12.1	2490	5.275	11605	20.525	19905
22	3.1	5720	12	2400	5.275	11605	20.375	19725
23	3.1	5740	12.15	2580	5.275	11605	20.525	19925
24	3.1	5770	12.1	2470	5.275	11605	20.475	19845
25	3.25	5840	12.15	2560	5.275	11605	20.675	20005
26	3	5700	12.25	2600	5.275	11605	20.525	19905
27	3.25	5800	13	2900	5.275	11605	21.525	20305
28	3	5700	12	2400	5.275	11605	20.275	19705
29	3	5700	12	2400	5.275	11605	20.275	19705
30	3	5700	12	2400	5.275	11605	20.275	19705
31	3	6000	12	2400	5.275	11605	20.275	20005
32	3.15	5800	12	2400	5.275	11605	20.425	19805
33	3.15	5800	11.5	2300	5.275	11605	19.925	19705
34	3.25	6000	12.75	2600	5.275	11605	21.275	20065
35	3.15	5860	12.15	2520	5.275	11605	20.575	19915
36	3.1	5790	12.1	2460	5.275	11605	20.475	19965
37	3.15	5900	12.15	2500	5.275	11605	20.575	20005
38	3.25	6000	12.25	2600	5.275	11605	20.775	20205
39	3	5700	11.5	2300	5.275	11605	19.775	19605
40	3.15	5800	11.5	2300	5.275	11605	19.925	19705
Total	124.8	231230	484.3	99660	211.00	464200	820.1	795070

RECORD OF RECIPE (MIX NO. 7B)

Building # 211 Windrow # 165 PERFORMED BY: _____

DATE: 5 13 00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.25	5840	11.15	2560				
2	3	5700	12.25	2600				
3	3.25	5800	13	2900				
4	3	5700	12	2400				
5	3	5700	12	2400				
6	3	5700	12	2400				
7	3	6000	12	2400				
8	3.15	5800	12	2400				
9	3.15	5800	11.50	2300				
10	3.25	6000	12.75	2600				
11	3.15	5860	12.15	2520				
12	3.10	5790	12.10	2460				
13	3.15	5900	12.15	2500				
14	3.25	6000	12.25	2600				
15	3	5700	11.50	2300				
16	3.15	5800	11.50	2300				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 165 PERFORMED BY: Howard

DATE: 5/30/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5750	12.10	2490				
2	3.10	5720	12.10	2450				
3	3.10	5770	12.15	2560				
4	3.10	5790	12	2400				
5	3.10	5760	12.15	2540				
6	3.10	5770	12.15	2510				
7	3	5700	12.10	2440				
8	3.10	5740	12.15	2540				
9	3.10	5730	12.15	2590				
10	3.10	5730	12	2400				
11	3	5700	12.10	2480				
12	3.10	5740	12.10	2450				
13	3.10	5790	11.90	2370				
14	3.10	5750	12.15	2540				
15	3.10	5730	12	2400				
16	3.10	5740	12.10	2480				
17	3	5700	12.10	2550				
18	3.75	5950	13.	2950				
19	3.25	5500	12	2400				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 165 PERFORMED BY: Howard

DATE: 5/30/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5750	12.15	2540				
21	3.15	5810	12.10	2490				
22	3.10	5720	12	2400				
23	3.10	5740	12.15	2580				
24	3.10	5770	12.10	2470				
25								
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
M165	5/31/00	5/31/00	0		40.77
		6/1/00	1	58.53	49.80
		6/2/00	2	65.73	55.97
		6/3/00	3	63.13	60.03
		6/4/00	4	66.77	61.07
		6/5/00	5	66.77	64.90
		6/6/00	6	68.23	64.67
		6/7/00	7	67.10	62.77
		6/8/00	8	68.77	62.10

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M165	5/31/00	5/31/00	0		
		6/1/00	1		
		6/2/00	2		
		6/3/00	3		
		6/4/00	4		
		6/5/00	5		
		6/6/00	6		
		6/7/00	7		
		6/8/00	8		

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M165	5/31/00	5/31/00	0		70.18
		6/1/00	1		
		6/2/00	2		
		6/3/00	3		
		6/4/00	4		
		6/5/00	5		54.72
		6/6/00	6		
		6/7/00	7		65.64
		6/8/00	8		

All average MWHC values are expressed in percent

Windrow Number: M165 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	05/31/00	06/09/00	9	03	1	LT	500	
					2	LT	500	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*478*
135TNB	05/31/00	06/09/00	9	05	1	LT	500	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*477*
135TNB	05/31/00	06/09/00	9	07	1	LT	500	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*485*
135TNB	05/31/00	06/09/00	9	09	1	LT	435	
					2	LT	417	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*435*
135TNB	05/31/00	06/09/00	9	11	1	LT	476	
					2	LT	417	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*449*

Average Concentration for Windrow on Day 9 : ***465***

Standard Deviation: *31*

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M165 *1,3-DINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
13DNB	05/31/00	06/09/00	9	03	1	LT 500	
					2	LT 500	
					3	LT 435	
				Average Concentration for Cross Section 03 :			*478*
13DNB	05/31/00	06/09/00	9	05	1	LT 500	
					2	LT 476	
					3	LT 454	
				Average Concentration for Cross Section 05 :			*477*
13DNB	05/31/00	06/09/00	9	07	1	LT 500	
					2	LT 454	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*485*
13DNB	05/31/00	06/09/00	9	09	1	LT 435	
					2	LT 417	
					3	LT 454	
				Average Concentration for Cross Section 09 :			*435*
13DNB	05/31/00	06/09/00	9	11	1	LT 476	
					2	LT 417	
					3	LT 454	
				Average Concentration for Cross Section 11 :			*449*

Average Concentration for Windrow on Day 9 : 465

Standard Deviation: 31

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M165 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	05/31/00	06/09/00	9	03	1	LT	500	
					2	LT	500	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*478*
246TNT	05/31/00	06/09/00	9	05	1	LT	500	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*477*
246TNT	05/31/00	06/09/00	9	07	1	LT	500	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*485*
246TNT	05/31/00	06/09/00	9	09	1	LT	435	
					2	LT	417	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*435*
246TNT	05/31/00	06/09/00	9	11	1	LT	476	
					2	LT	417	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*449*

Average Concentration for Windrow on Day 9 : 465

Standard Deviation: 31

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M165 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	05/31/00	06/09/00	9	03	1	LT	500	
					2	LT	500	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*478*
24DNT	05/31/00	06/09/00	9	05	1	LT	500	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*477*
24DNT	05/31/00	06/09/00	9	07	1	LT	500	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*485*
24DNT	05/31/00	06/09/00	9	09	1	LT	435	
					2	LT	417	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*435*
24DNT	05/31/00	06/09/00	9	11	1	LT	476	
					2	LT	417	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*449*

Average Concentration for Windrow on Day 9 : ***465***

Standard Deviation: ***31***

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M165 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	05/31/00	06/09/00	9	03	1	LT 500	
					2	LT 500	
					3	LT 435	
				Average Concentration for Cross Section 03 :			*478*
26DNT	05/31/00	06/09/00	9	05	1	LT 500	
					2	LT 476	
					3	LT 454	
				Average Concentration for Cross Section 05 :			*477*
26DNT	05/31/00	06/09/00	9	07	1	LT 500	
					2	LT 454	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*485*
26DNT	05/31/00	06/09/00	9	09	1	LT 435	
					2	LT 417	
					3	LT 454	
				Average Concentration for Cross Section 09 :			*435*
26DNT	05/31/00	06/09/00	9	11	1	LT 476	
					2	LT 417	
					3	LT 454	
				Average Concentration for Cross Section 11 :			*449*

Average Concentration for Windrow on Day 9 : 465

Standard Deviation: 31

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M165 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	05/31/00	06/09/00	9	03	1	LT	500	
					2	LT	500	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*478*
2A46DT	05/31/00	06/09/00	9	05	1	LT	500	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*477*
2A46DT	05/31/00	06/09/00	9	07	1	LT	500	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*485*
2A46DT	05/31/00	06/09/00	9	09	1	LT	435	
					2	LT	417	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*435*
2A46DT	05/31/00	06/09/00	9	11	1	LT	476	
					2	LT	417	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*449*

Average Concentration for Windrow on Day 9 : 465

Standard Deviation: 31

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M165 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	05/31/00	06/09/00	9	03	1	LT 500	
					2	LT 500	
					3	LT 435	
				Average Concentration for Cross Section 03 :			*478*
2NT	05/31/00	06/09/00	9	05	1	LT 500	
					2	LT 476	
					3	LT 454	
				Average Concentration for Cross Section 05 :			*477*
2NT	05/31/00	06/09/00	9	07	1	LT 500	
					2	LT 454	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*485*
2NT	05/31/00	06/09/00	9	09	1	LT 435	
					2	LT 417	
					3	LT 454	
				Average Concentration for Cross Section 09 :			*435*
2NT	05/31/00	06/09/00	9	11	1	LT 476	
					2	LT 417	
					3	LT 454	
				Average Concentration for Cross Section 11 :			*449*

Average Concentration for Windrow on Day 9 : ***465***

Standard Deviation: ***31***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: M165 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
3NT	05/31/00	06/09/00	9	03	1	LT	500	
					2	LT	500	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*478*
3NT	05/31/00	06/09/00	9	05	1	LT	500	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*477*
3NT	05/31/00	06/09/00	9	07	1	LT	500	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*485*
3NT	05/31/00	06/09/00	9	09	1	LT	435	
					2	LT	417	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*435*
3NT	05/31/00	06/09/00	9	11	1	LT	476	
					2	LT	417	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*449*

Average Concentration for Windrow on Day 9 : 465

Standard Deviation: 31

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: M165 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	05/31/00	06/09/00	9	03	1	LT 500	
					2	LT 500	
					3	LT 435	
				Average Concentration for Cross Section 03 :			*478*
4A26DT	05/31/00	06/09/00	9	05	1	LT 500	
					2	LT 476	
					3	LT 454	
				Average Concentration for Cross Section 05 :			*477*
4A26DT	05/31/00	06/09/00	9	07	1	LT 500	
					2	LT 454	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*485*
4A26DT	05/31/00	06/09/00	9	09	1	LT 435	
					2	LT 417	
					3	LT 454	
				Average Concentration for Cross Section 09 :			*435*
4A26DT	05/31/00	06/09/00	9	11	1	LT 476	
					2	LT 417	
					3	LT 454	
				Average Concentration for Cross Section 11 :			*449*

Average Concentration for Windrow on Day 9 : 465

Standard Deviation: 31

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M165 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	05/31/00	06/09/00	9	03	1	LT 500	
					2	LT 500	
					3	LT 435	
				Average Concentration for Cross Section 03 :			*478*
4NT	05/31/00	06/09/00	9	05	1	LT 500	
					2	LT 476	
					3	LT 454	
				Average Concentration for Cross Section 05 :			*477*
4NT	05/31/00	06/09/00	9	07	1	LT 500	
					2	LT 454	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*485*
4NT	05/31/00	06/09/00	9	09	1	LT 435	
					2	LT 417	
					3	LT 454	
				Average Concentration for Cross Section 09 :			*435*
4NT	05/31/00	06/09/00	9	11	1	LT 476	
					2	LT 417	
					3	LT 454	
				Average Concentration for Cross Section 11 :			*449*

Average Concentration for Windrow on Day 9 : 465

Standard Deviation: 31

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M165 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
HMX	05/31/00	06/09/00	9	03	1	LT	500	
					2		1960	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*965*
HMX	05/31/00	06/09/00	9	05	1		315 J	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*415*
HMX	05/31/00	06/09/00	9	07	1		395 J	
					2		385 J	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*427*
HMX	05/31/00	06/09/00	9	09	1	LT	435	
					2	LT	417	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*435*
HMX	05/31/00	06/09/00	9	11	1	LT	476	
					2	LT	417	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*449*

Average Concentration for Windrow on Day 9 : ***538***

Standard Deviation: ***396***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M165 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
NB	05/31/00	06/09/00	9	03	1	LT	500	
					2	LT	500	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*478*
NB	05/31/00	06/09/00	9	05	1	LT	500	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*477*
NB	05/31/00	06/09/00	9	07	1	LT	500	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*485*
NB	05/31/00	06/09/00	9	09	1	LT	435	
					2	LT	417	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*435*
NB	05/31/00	06/09/00	9	11	1	LT	476	
					2	LT	417	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*449*

Average Concentration for Windrow on Day 9 : ***465***

Standard Deviation: ***31***

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M165 *RDX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
RDX	05/31/00	06/09/00	9	03	1	LT	500	
					2		5880	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*2272*
RDX	05/31/00	06/09/00	9	05	1		1170	
					2		813	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*812*
RDX	05/31/00	06/09/00	9	07	1	LT	500	
					2		1140	
					3		6370	
				Average Concentration for Cross Section 07 :				*2670*
RDX	05/31/00	06/09/00	9	09	1	LT	435	
					2	LT	417	
					3		1280	
				Average Concentration for Cross Section 09 :				*711*
RDX	05/31/00	06/09/00	9	11	1		2400	
					2		626	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*1160*

Average Concentration for Windrow on Day 9 : 1525

Standard Deviation: 1943

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M165 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	05/31/00	06/09/00	9	03	1	LT	500
					2	LT	500
					3	LT	435
				Average Concentration for Cross Section 03 :			*478*
TETRYL	05/31/00	06/09/00	9	05	1	LT	500
					2	LT	476
					3	LT	454
				Average Concentration for Cross Section 05 :			*477*
TETRYL	05/31/00	06/09/00	9	07	1	LT	500
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 07 :			*485*
TETRYL	05/31/00	06/09/00	9	09	1	LT	435
					2	LT	417
					3	LT	454
				Average Concentration for Cross Section 09 :			*435*
TETRYL	05/31/00	06/09/00	9	11	1	LT	476
					2	LT	417
					3	LT	454
				Average Concentration for Cross Section 11 :			*449*

Average Concentration for Windrow on Day 9 : 465

Standard Deviation: 31

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-166 Day 0: 06/1/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5720	12.1	2450	5.275	11605	20.525	19775
2	3.1	5780	12.15	2530	5.275	11605	20.525	19915
3	3.1	5760	12.1	2490	5.275	11605	20.475	19855
4	3.1	5790	12.15	2570	5.275	11605	20.525	19965
5	3.15	5810	12.1	2460	5.275	11605	20.525	19875
6	3	5700	12.1	2420	5.275	11605	20.375	19725
7	3.1	5770	12	2400	5.275	11605	20.375	19775
8	3.1	5750	12.15	2540	5.275	11605	20.525	19895
9	3.1	5720	12.15	2570	5.275	11605	20.525	19895
10	3.1	5790	12.1	2400	5.275	11605	20.475	19795
11	3	5700	12	2400	5.275	11605	20.275	19705
12	3.1	5870	12.1	2450	5.275	11605	20.475	19925
13	3.1	5720	12.15	2560	5.275	11605	20.525	19885
14	3	5700	12.1	2490	5.275	11605	20.375	19795
15	3.1	5750	12.1	2410	5.275	11605	20.475	19765
16	3.15	5880	12.15	2500	5.275	11605	20.575	19985
17	3.1	5710	12	2400	5.275	11605	20.375	19715
18	3.1	5760	12.2	2630	5.275	11605	20.575	19995
19	3	5700	12.1	2440	5.275	11605	20.375	19745
20	3.15	5830	12.15	2510	5.275	11605	20.575	19945
21	3.15	5840	12.15	2580	5.275	11605	20.575	20025
22	3.15	5810	12.1	2490	5.275	11605	20.525	19905
23	3.1	5720	12.1	2440	5.275	11605	20.475	19765
24	3	5700	12.1	2420	5.275	11605	20.375	19725
25	3.1	5770	12.1	2460	5.275	11605	20.475	19835
26	3	5700	12.1	2470	5.275	11605	20.375	19775
27	3	5700	12	2400	5.275	11605	20.275	19705
28	3.5	5900	12.75	2800	5.275	11605	21.525	20305
29	3	5700	12.5	2700	5.275	11605	20.775	20005
30	3	5700	12.25	2600	5.275	11605	20.525	19905
31	3.5	5900	13	2900	5.275	11605	21.775	20405
32	3	5700	12.25	2500	5.275	11605	20.525	19805
33	3.5	5900	13	2900	5.275	11605	21.775	20405
34	3.25	5800	12	2450	5.275	11605	20.525	19855
35	3	5700	12	2400	5.275	11605	20.275	19705
36	3.5	5900	13	2900	5.275	11605	21.775	20405
37	3.25	5800	12.5	2700	5.275	11605	21.025	20105
38	3	5700	12.25	2600	5.275	11605	20.525	19905
39	3.5	5900	13	2900	5.275	11605	21.775	20405
40	3.25	5800	12.5	2700	5.275	11605	21.025	20105
Total	125.5	230850	489.8	101930	211.00	464200	826.35	796980

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 166 PERFORMED BY: Howard

DATE: 5 13/100 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier:		STRAW Supplier:		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5720	12.10	2450				
2	3.10	5780	12.15	2530				
3	3.10	5760	12.10	2490				
4	3.10	5790	12.15	2570				
5	3.15	5810	12.10	2460				
6	3	5700	12.10	2420				
7	3.10	5770	12	2400				
8	3.10	5750	12.15	2540				
9	3.10	5720	12.15	2570				
10	3.10	5790	12.10	2480				
11	3	5700	12.	2400				
12	3.10	5870	12.10	2450				
13	3.10	5720	12.15	2560				
14	3	5700	12.10	2490				
15	3.10	5750	12.10	2410				
16	3.15	5830	12.15	2500				
17	3.10	5710	12	2400				
18	3.10	5760	12.20	2630				
19	3	5700	12.10	2440				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 166 PERFORMED BY: Howard

DATE: 5 13 100 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier:		STRAW Supplier:		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.15	5830	12.15	2510				
21	3.15	5840	12.15	2580				
22	3.15	5810	12.10	2490				
23	3.10	5720	12.10	2440				
24	3	5700	12.10	2420				
25	3.10	5770	12.10	2460				
26	3	5700	12.10	2470				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 3 Windrow # 3166 PERFORMED BY: _____

DATE: 5/13/100 INSPECTED BY: _____

Design Quantity: Chicken Manure _____ CY _____ Pounds
Straw _____ CY _____ Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5700	12	2400				
2	350	5900	1275	2800				
3	3	5700	1250	2700				
4	3	5700	1225	2600				
5	35	5900	1300	2900				
6	3	5700	1225	2500				
7	350	5900	1300	2900				
8	325	5800	12	2450				
9	3	5700	12	2400				
10	3.5	5900	13	2900				
11	325	5800	12.5	2700				
12	3	5700	1225	2600				
13	35	5900	1300	2900				
14	325	5800	12.5	2700				
tal								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
S166	6/1/00	6/1/00	0		45.17
		6/2/00	1	61.33	52.13
		6/3/00	2	62.03	59.33
		6/4/00	3	67.07	60.67
		6/5/00	4	69.27	64.73
		6/6/00	5	69.40	65.47
		6/7/00	6	67.60	62.87
		6/8/00	7	69.83	63.47

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S166	6/1/00	6/1/00	0		
		6/2/00	1		
		6/3/00	2		
		6/4/00	3		
		6/5/00	4		
		6/6/00	5		
		6/7/00	6		
		6/8/00	7		

All average Oxygen values are expressed as a percent

Friday, June 28, 2002

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S166	6/1/00	6/1/00	0		55.90
		6/2/00	1		
		6/3/00	2		
		6/4/00	3		
		6/5/00	4		57.88
		6/6/00	5		
		6/7/00	6		58.20
		6/8/00	7		

All average MWHC values are expressed in percent

Windrow Number: S166 *1,3,5-TRINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
135TNB	06/01/00	06/09/00	8	03	1	LT	400	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*423*
135TNB	06/01/00	06/09/00	8	05	1	LT	417	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*449*
135TNB	06/01/00	06/09/00	8	07	1	LT	435	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*455*
135TNB	06/01/00	06/09/00	8	09	1	LT	476	
					2	LT	370	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*449*
135TNB	06/01/00	06/09/00	8	11	1	LT	345	
					2	LT	500	
					3	LT	357	
				Average Concentration for Cross Section 11 :				*401*

Average Concentration for Windrow on Day 8 : 435

Standard Deviation: 49

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: S166 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
13DNB	06/01/00	06/09/00	8	03	1	LT	400
					2	LT	435
					3	LT	435
					Average Concentration for Cross Section 03 :		*423*
13DNB	06/01/00	06/09/00	8	05	1	LT	417
					2	LT	454
					3	LT	476
					Average Concentration for Cross Section 05 :		*449*
13DNB	06/01/00	06/09/00	8	07	1	LT	435
					2	LT	454
					3	LT	476
					Average Concentration for Cross Section 07 :		*455*
13DNB	06/01/00	06/09/00	8	09	1	LT	476
					2	LT	370
					3	LT	500
					Average Concentration for Cross Section 09 :		*449*
13DNB	06/01/00	06/09/00	8	11	1	LT	345
					2	LT	500
					3	LT	357
					Average Concentration for Cross Section 11 :		*401*

Average Concentration for Windrow on Day 8 : ***435***

Standard Deviation: ***49***

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: S166 *2,4,6-TRINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
246TNT	06/01/00	06/09/00	8	03	1	LT	400	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*423*
246TNT	06/01/00	06/09/00	8	05	1	LT	417	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*449*
246TNT	06/01/00	06/09/00	8	07	1	LT	435	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*455*
246TNT	06/01/00	06/09/00	8	09	1	LT	476	
					2	LT	370	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*449*
246TNT	06/01/00	06/09/00	8	11	1	LT	345	
					2	LT	500	
					3	LT	357	
				Average Concentration for Cross Section 11 :				*401*

Average Concentration for Windrow on Day 8 : 435

Standard Deviation: 49

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S166 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
24DNT	06/01/00	06/09/00	8	03	1	LT 400	
					2	LT 435	
					3	LT 435	
				Average Concentration for Cross Section 03 :			*423*
24DNT	06/01/00	06/09/00	8	05	1	LT 417	
					2	LT 454	
					3	LT 476	
				Average Concentration for Cross Section 05 :			*449*
24DNT	06/01/00	06/09/00	8	07	1	LT 435	
					2	LT 454	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*455*
24DNT	06/01/00	06/09/00	8	09	1	LT 476	
					2	LT 370	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*449*
24DNT	06/01/00	06/09/00	8	11	1	LT 345	
					2	LT 500	
					3	LT 357	
				Average Concentration for Cross Section 11 :			*401*

Average Concentration for Windrow on Day 8 : ***435***

Standard Deviation: ***49***

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S166 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
26DNT	06/01/00	06/09/00	8	03	1	LT 400	
					2	LT 435	
					3	LT 435	
				Average Concentration for Cross Section 03 :			*423*
26DNT	06/01/00	06/09/00	8	05	1	LT 417	
					2	LT 454	
					3	LT 476	
				Average Concentration for Cross Section 05 :			*449*
26DNT	06/01/00	06/09/00	8	07	1	LT 435	
					2	LT 454	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*455*
26DNT	06/01/00	06/09/00	8	09	1	LT 476	
					2	LT 370	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*449*
26DNT	06/01/00	06/09/00	8	11	1	LT 345	
					2	LT 500	
					3	LT 357	
				Average Concentration for Cross Section 11 :			*401*

Average Concentration for Windrow on Day 8 : 435

Standard Deviation: 49

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: S166 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2A46DT	06/01/00	06/09/00	8	03	1	LT	400
					2	LT	435
					3	LT	435
				Average Concentration for Cross Section 03 :			*423*
2A46DT	06/01/00	06/09/00	8	05	1	LT	417
					2	LT	454
					3	LT	476
				Average Concentration for Cross Section 05 :			*449*
2A46DT	06/01/00	06/09/00	8	07	1	LT	435
					2	LT	454
					3	LT	476
				Average Concentration for Cross Section 07 :			*455*
2A46DT	06/01/00	06/09/00	8	09	1	LT	476
					2	LT	370
					3	LT	500
				Average Concentration for Cross Section 09 :			*449*
2A46DT	06/01/00	06/09/00	8	11	1	LT	345
					2	LT	500
					3	LT	357
				Average Concentration for Cross Section 11 :			*401*

Average Concentration for Windrow on Day 8 : ***435***

Standard Deviation: ***49***

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: S166 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2NT	06/01/00	06/09/00	8	03	1	LT	400	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*423*
2NT	06/01/00	06/09/00	8	05	1	LT	417	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*449*
2NT	06/01/00	06/09/00	8	07	1	LT	435	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*455*
2NT	06/01/00	06/09/00	8	09	1	LT	476	
					2	LT	370	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*449*
2NT	06/01/00	06/09/00	8	11	1	LT	345	
					2	LT	500	
					3	LT	357	
				Average Concentration for Cross Section 11 :				*401*

Average Concentration for Windrow on Day 8 : 435

Standard Deviation: 49

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: S166 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
3NT	06/01/00	06/09/00	8	03	1	LT	400	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*423*
3NT	06/01/00	06/09/00	8	05	1	LT	417	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*449*
3NT	06/01/00	06/09/00	8	07	1	LT	435	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*455*
3NT	06/01/00	06/09/00	8	09	1	LT	476	
					2	LT	370	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*449*
3NT	06/01/00	06/09/00	8	11	1	LT	345	
					2	LT	500	
					3	LT	357	
				Average Concentration for Cross Section 11 :				*401*

Average Concentration for Windrow on Day 8 : 435

Standard Deviation: 49

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: S166 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	06/01/00	06/09/00	8	03	1	LT	400	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*423*
4A26DT	06/01/00	06/09/00	8	05	1	LT	417	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*449*
4A26DT	06/01/00	06/09/00	8	07	1	LT	435	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*455*
4A26DT	06/01/00	06/09/00	8	09	1	LT	476	
					2	LT	370	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*449*
4A26DT	06/01/00	06/09/00	8	11	1	LT	345	
					2	LT	500	
					3	LT	357	
				Average Concentration for Cross Section 11 :				*401*

Average Concentration for Windrow on Day 8 : ***435***

Standard Deviation: ***49***

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: S166 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4NT	06/01/00	06/09/00	8	03	1	LT	400	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*423*
4NT	06/01/00	06/09/00	8	05	1	LT	417	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*449*
4NT	06/01/00	06/09/00	8	07	1	LT	435	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*455*
4NT	06/01/00	06/09/00	8	09	1	LT	476	
					2	LT	370	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*449*
4NT	06/01/00	06/09/00	8	11	1	LT	345	
					2	LT	500	
					3	LT	357	
				Average Concentration for Cross Section 11 :				*401*

Average Concentration for Windrow on Day 8 : 435

Standard Deviation: 49

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: S166 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
HMX	06/01/00	06/09/00	8	03	1	LT	400	
					2		354 J	
					3		2150	
				Average Concentration for Cross Section 03 :				*968*
HMX	06/01/00	06/09/00	8	05	1		822	
					2		1460	
					3		1040	
				Average Concentration for Cross Section 05 :				*1107*
HMX	06/01/00	06/09/00	8	07	1		4300	
					2		1350	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*2042*
HMX	06/01/00	06/09/00	8	09	1	LT	476	
					2	LT	370	
					3		310 J	
				Average Concentration for Cross Section 09 :				*385*
HMX	06/01/00	06/09/00	8	11	1	LT	345	
					2		228 J	
					3		123 J	
				Average Concentration for Cross Section 11 :				*232*

Average Concentration for Windrow on Day 8 : ***947***

Standard Deviation: ***1087***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: S166 *NITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
NB	06/01/00	06/09/00	8	03	1	LT 400	
					2	LT 435	
					3	LT 435	
				Average Concentration for Cross Section 03 :			*423*
NB	06/01/00	06/09/00	8	05	1	LT 417	
					2	LT 454	
					3	LT 476	
				Average Concentration for Cross Section 05 :			*449*
NB	06/01/00	06/09/00	8	07	1	LT 435	
					2	LT 454	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*455*
NB	06/01/00	06/09/00	8	09	1	LT 476	
					2	LT 370	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*449*
NB	06/01/00	06/09/00	8	11	1	LT 345	
					2	LT 500	
					3	LT 357	
				Average Concentration for Cross Section 11 :			*401*

Average Concentration for Windrow on Day 8 : ***435***

Standard Deviation: ***49***

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: S166 ***RDX Results***

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*		*Concentration*	UGKG
RDX	06/01/00	06/09/00	8	03	1		1020	
					2	LT	435	
					3		6810	
				Average Concentration for Cross Section 03 :				*2755*
RDX	06/01/00	06/09/00	8	05	1	LT	417	
					2		1600	
					3		682	
				Average Concentration for Cross Section 05 :				*900*
RDX	06/01/00	06/09/00	8	07	1		4800	
					2		372 J	
					3		307 J	
				Average Concentration for Cross Section 07 :				*1826*
RDX	06/01/00	06/09/00	8	09	1	LT	476	
					2	LT	370	
					3		291 J	
				Average Concentration for Cross Section 09 :				*379*
RDX	06/01/00	06/09/00	8	11	1		858	
					2		994	
					3		350 J	
				Average Concentration for Cross Section 11 :				*734*

Average Concentration for Windrow on Day 8 : ***1319***

Standard Deviation: ***1895***

Percent Reduction of RDX: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-167 Day 0: 06/2/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.25	5800	12.5	2700	5.275	11605	21.275	20105
2	3.5	5900	12.75	2800	5.275	11605	21.525	20305
3	3	5700	12.25	2600	5.275	11605	20.525	19905
4	3.25	5800	12.15	2500	5.275	11605	20.675	19905
5	3.25	5800	12	2400	5.275	11605	20.525	19805
6	3.5	5900	12.5	2700	5.275	11605	21.275	20205
7	3.75	6000	13	2900	5.275	11605	22.025	20505
8	3.1	5750	12.15	2530	5.275	11605	20.525	19885
9	3.15	5820	12.1	2430	5.275	11605	20.525	19855
10	3.1	5790	12	2400	5.275	11605	20.375	19795
11	3.15	5850	12	2460	5.275	11605	20.425	19915
12	3.1	5770	12.15	2560	5.275	11605	20.525	19935
13	3.15	5810	12.15	2580	5.275	11605	20.575	19995
14	3.1	5720	12.1	2490	5.275	11605	20.475	19815
15	3.1	5700	12.1	2440	5.275	11605	20.475	19745
16	3.1	5760	12.1	2450	5.275	11605	20.475	19815
17	3	5680	12.1	2420	5.275	11605	20.375	19705
18	3.1	5720	12	2380	5.275	11605	20.375	19705
19	3	5700	12.1	2440	5.275	11605	20.375	19745
20	3.1	5740	12.1	2470	5.275	11605	20.475	19815
21	3.15	5820	12.15	2550	5.275	11605	20.575	19975
22	3	5700	12.1	2440	5.275	11605	20.375	19745
23	3.15	5810	12.15	2530	5.275	11605	20.575	19945
24	3	5700	12.1	2420	5.275	11605	20.375	19725
25	3.1	5750	12.1	2450	5.275	11605	20.475	19805
26	3.15	5820	12.1	2470	5.275	11605	20.525	19895
27	3.1	5790	12.1	2490	5.275	11605	20.475	19885
28	3	5700	12.15	2530	5.275	11605	20.425	19835
29	3	5700	12	2400	5.275	11605	20.275	19705
30	3	5700	12.25	2600	5.275	11605	20.525	19905
31	3.25	5900	12	2400	5.275	11605	20.525	19905
32	3.15	5800	12	2400	5.275	11605	20.425	19805
33	3.15	5800	12	2400	5.275	11605	20.425	19805
34	3.15	5880	12.15	2540	5.275	11605	20.575	20025
35	3.25	6160	12	2350	5.275	11605	20.525	20115
36	3	5670	12.1	2480	5.275	11605	20.375	19755
37	3.25	6000	12	2400	5.275	11605	20.525	20005
38	3.25	6000	12	2400	5.275	11605	20.525	20005
39	3.15	5800	12.15	2500	5.275	11605	20.575	19905
40	3	5700	12.15	2500	5.275	11605	20.425	19805
Total	126	231910	486.05	99900	211.00	464200	823.3	796010

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 5167 PERFORMED BY: [illegible]

DATE: 6/1/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.25	5800	12.5	2700				
2	3.5	5900	12.75	2800				
3	3	5700	12.25	2600				
4	3.25	5800	12.15	2500				
5	3.25	5800	12	2400				
6	3.50	5900	12.50	2700				
7	3.75	6000	13	2900				
8	3.10	5750	12.15	2530				
9	3.15	5820	12.10	2430				
10	3.10	5790	12	2400				
11	3.15	5850	12.10	2460				
12	3.10	5770	12.15	2560				
13	3.15	5810	12.15	2580				
14	3.10	5720	12.10	2490				
15	3.10	5700	12.10	2440				
16	3.10	5760	12.10	2450				
17	3	5680	12.10	2420				
18	3.10	5720	12	2380				
19	3	5700	12.10	2410				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 167 PERFORMED BY: Howard

DATE: 6/1/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2500 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5740	1210	2470				
21	3.15	5820	1215	2550				
22	3.0	5700	1210	2440				
23	3.15	5810	1215	2530				
24	3	5700	1210	2420				
25	3.10	5750	1210	2450				
26	3.15	5820	1210	2470				
27	3.10	5790	1210	2490				
28	3	5700	1215	2530				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 167 PERFORMED BY: _____

DATE: 6/1/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5700	12	2400				
2	3	5700	12.25	2600				
3	3.25	5900	12	2400				
4	3.15	5800	12	2400				
5	3.15	5800	12	2400				
6	3.15	5880	12.15	2540				
7	3.25	6100	12	2350				
8	3	5670	12.10	2480				
9	3.25	6000	12	2400				
10	3.25	6000	12	2400				
11	3.15	5800	12.15	2500				
12	3	5700	12.5	2500				
13								
14								
15								
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
S167	6/2/00	6/2/00	0		43.93
		6/3/00	1	55.40	53.67
		6/4/00	2	66.93	59.97
		6/5/00	3	66.43	63.70
		6/6/00	4	66.97	64.43
		6/7/00	5	66.33	62.20
		6/8/00	6	68.00	64.20
		6/9/00	7	68.83	63.27
		6/10/00	8	66.53	62.70
		6/11/00	9	66.17	59.90

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S167	6/2/00	6/2/00	0		
		6/3/00	1		
		6/4/00	2		
		6/5/00	3		
		6/6/00	4		
		6/7/00	5		
		6/8/00	6		
		6/9/00	7		
		6/10/00	8		
		6/11/00	9		

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S167	6/2/00	6/2/00	0		61.58
		6/3/00	1		
		6/4/00	2		
		6/5/00	3		57.64
		6/6/00	4		
		6/7/00	5		54.96
		6/8/00	6		
		6/9/00	7		60.86
		6/10/00	8		
		6/11/00	9		

All average MWHC values are expressed in percent

Windrow Number: S167 *1,3,5-TRINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
135TNB	06/02/00	06/12/00	10	03	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*484*
135TNB	06/02/00	06/12/00	10	05	1	LT	500	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*485*
135TNB	06/02/00	06/12/00	10	07	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*492*
135TNB	06/02/00	06/12/00	10	09	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*484*
135TNB	06/02/00	06/12/00	10	11	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 10 : 486

Standard Deviation: 15

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: S167 *1,3-DINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
13DNB	06/02/00	06/12/00	10	03	1	LT 476	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*484*
13DNB	06/02/00	06/12/00	10	05	1	LT 500	
					2	LT 454	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*485*
13DNB	06/02/00	06/12/00	10	07	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*492*
13DNB	06/02/00	06/12/00	10	09	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*484*
13DNB	06/02/00	06/12/00	10	11	1	LT 476	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 10 : 486

Standard Deviation: 15

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: S167 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	06/02/00	06/12/00	10	03	1		10200	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*3725*
246TNT	06/02/00	06/12/00	10	05	1	LT	500	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*485*
246TNT	06/02/00	06/12/00	10	07	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*492*
246TNT	06/02/00	06/12/00	10	09	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*484*
246TNT	06/02/00	06/12/00	10	11	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 10 : 1134

Standard Deviation: 2508

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S167 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
24DNT	06/02/00	06/12/00	10	03	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*484*
24DNT	06/02/00	06/12/00	10	05	1	LT	500	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*485*
24DNT	06/02/00	06/12/00	10	07	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*492*
24DNT	06/02/00	06/12/00	10	09	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*484*
24DNT	06/02/00	06/12/00	10	11	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 10 : 486

Standard Deviation: 15

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S167 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
26DNT	06/02/00	06/12/00	10	03	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*484*
26DNT	06/02/00	06/12/00	10	05	1	LT	500	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*485*
26DNT	06/02/00	06/12/00	10	07	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*492*
26DNT	06/02/00	06/12/00	10	09	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*484*
26DNT	06/02/00	06/12/00	10	11	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 10 : 486

Standard Deviation: 15

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: S167 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	06/02/00	06/12/00	10	03	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*484*
2A46DT	06/02/00	06/12/00	10	05	1	LT	500	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*485*
2A46DT	06/02/00	06/12/00	10	07	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*492*
2A46DT	06/02/00	06/12/00	10	09	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*484*
2A46DT	06/02/00	06/12/00	10	11	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 10 : 486

Standard Deviation: 15

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: S167 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	06/02/00	06/12/00	10	03	1	LT	476
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 03 :			*484*
2NT	06/02/00	06/12/00	10	05	1	LT	500
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 05 :			*485*
2NT	06/02/00	06/12/00	10	07	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 07 :			*492*
2NT	06/02/00	06/12/00	10	09	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 09 :			*484*
2NT	06/02/00	06/12/00	10	11	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 10 : 486

Standard Deviation: 15

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: S167 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
3NT	06/02/00	06/12/00	10	03	1	LT	476
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 03 :			*484*
3NT	06/02/00	06/12/00	10	05	1	LT	500
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 05 :			*485*
3NT	06/02/00	06/12/00	10	07	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 07 :			*492*
3NT	06/02/00	06/12/00	10	09	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 09 :			*484*
3NT	06/02/00	06/12/00	10	11	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 10 : 486

Standard Deviation: 15

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: S167 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	06/02/00	06/12/00	10	03	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*484*
4A26DT	06/02/00	06/12/00	10	05	1	LT	500	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*485*
4A26DT	06/02/00	06/12/00	10	07	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*492*
4A26DT	06/02/00	06/12/00	10	09	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*484*
4A26DT	06/02/00	06/12/00	10	11	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 10 : 486

Standard Deviation: 15

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: S167 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4NT	06/02/00	06/12/00	10	03	1	LT 476	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*484*
4NT	06/02/00	06/12/00	10	05	1	LT 500	
					2	LT 454	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*485*
4NT	06/02/00	06/12/00	10	07	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*492*
4NT	06/02/00	06/12/00	10	09	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*484*
4NT	06/02/00	06/12/00	10	11	1	LT 476	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 10 : 486

Standard Deviation: 15

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: S167 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
HMX	06/02/00	06/12/00	10	03	1	LT	476	
					2		142 J	
					3		488	
					Average Concentration for Cross Section 03 :			*369*
HMX	06/02/00	06/12/00	10	05	1	LT	500	
					2		90.3 J	
					3		675	
					Average Concentration for Cross Section 05 :			*422*
HMX	06/02/00	06/12/00	10	07	1	LT	500	
					2		39 J	
					3		479	
					Average Concentration for Cross Section 07 :			*339*
HMX	06/02/00	06/12/00	10	09	1	LT	500	
					2		105 J	
					3		142 J	
					Average Concentration for Cross Section 09 :			*249*
HMX	06/02/00	06/12/00	10	11	1	LT	476	
					2		594	
					3		940	
					Average Concentration for Cross Section 11 :			*670*

Average Concentration for Windrow on Day 10 : 410

Standard Deviation: 254

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: S167 *NITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
NB	06/02/00	06/12/00	10	03	1	LT 476	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*484*
NB	06/02/00	06/12/00	10	05	1	LT 500	
					2	LT 454	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*485*
NB	06/02/00	06/12/00	10	07	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*492*
NB	06/02/00	06/12/00	10	09	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*484*
NB	06/02/00	06/12/00	10	11	1	LT 476	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 10 : 486

Standard Deviation: 15

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: S167 *RDX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
RDX	06/02/00	06/12/00	10	03	1	LT	476	
					2		1200	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*717*
RDX	06/02/00	06/12/00	10	05	1	LT	500	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*485*
RDX	06/02/00	06/12/00	10	07	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*492*
RDX	06/02/00	06/12/00	10	09	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*484*
RDX	06/02/00	06/12/00	10	11	1	LT	476	
					2		1300	
					3		333 J	
				Average Concentration for Cross Section 11 :				*703*

Average Concentration for Windrow on Day 10 : ***576***

Standard Deviation: *277*

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: S167 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
TETRYL	06/02/00	06/12/00	10	03	1	LT 476	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*484*
TETRYL	06/02/00	06/12/00	10	05	1	LT 500	
					2	LT 454	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*485*
TETRYL	06/02/00	06/12/00	10	07	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*492*
TETRYL	06/02/00	06/12/00	10	09	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*484*
TETRYL	06/02/00	06/12/00	10	11	1	LT 476	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 10 : 486

Standard Deviation: 15

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-168 Day 0: 06/8/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5760	12.1	2440	5.275	11605	20.475	19805
2	3.1	5770	12.1	2480	5.275	11605	20.475	19855
3	3.1	5750	12.15	2500	5.275	11605	20.525	19855
4	2.4	5680	11.9	2290	5.275	11605	19.575	19575
5	3.1	5720	12.1	2450	5.275	11605	20.475	19775
6	3.1	5780	12.1	2430	5.275	11605	20.475	19815
7	3.1	5730	12.15	2540	5.275	11605	20.525	19875
8	3	5700	12.1	2410	5.275	11605	20.375	19715
9	3.1	5790	12.15	2590	5.275	11605	20.525	19985
10	3.1	5740	12	2400	5.275	11605	20.375	19745
11	3	5740	12.1	2450	5.275	11605	20.375	19795
12	3.15	5750	12	2440	5.275	11605	20.425	19795
13	3.15	5800	11	2300	5.275	11605	19.425	19705
14	3.2	5900	12	2400	5.275	11605	20.475	19905
15	3.1	5760	12.1	2450	5.275	11605	20.475	19815
16	3.1	5990	12.15	2540	5.275	11605	20.525	20135
17	3.15	5910	12.1	2470	5.275	11605	20.525	19985
18	3.1	5880	12.1	2450	5.275	11605	20.475	19935
19	3.1	5790	12	2400	5.275	11605	20.375	19795
20	3.15	5870	12.1	2460	5.275	11605	20.525	19935
21	3.1	5740	12.15	2510	5.275	11605	20.525	19855
22	3	5700	12.1	2490	5.275	11605	20.375	19795
23	3.1	5780	12.15	2510	5.275	11605	20.525	19895
24	3.15	5820	12.15	2540	5.275	11605	20.575	19965
25	3.1	5710	12.1	2480	5.275	11605	20.475	19795
26	3.1	5730	12.15	2560	5.275	11605	20.525	19895
27	3	5700	12.1	2410	5.275	11605	20.375	19715
28	3	5700	12	2400	5.275	11605	20.275	19705
29	3	5700	12	2400	5.275	11605	20.275	19705
30	3.25	5850	12.5	3000	5.275	11605	21.025	20455
31	3.25	5800	12.25	2600	5.275	11605	20.775	20005
32	3.25	5800	12.15	2500	5.275	11605	20.675	19905
33	3	5750	12.25	2600	5.275	11605	20.525	19955
34	3.25	5800	12.15	2500	5.275	11605	20.675	19905
35	3.25	5800	12.25	2600	5.275	11605	20.775	20005
36	3.5	5900	12.25	2600	5.275	11605	21.025	20105
37	3.5	5900	12.15	2500	5.275	11605	20.925	20005
38	3.25	5800	12.15	2500	5.275	11605	20.675	19905
39	3.25	5800	12.4	2700	5.275	11605	20.925	20105
40	3	5700	12.2	2510	5.275	11605	20.475	19815
Total	124.7	231290	484.1	99800	211.00	464200	819.8	795290

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # 2 Windrow # 168

PERFORMED BY: Howard

DATE: 6/7/00

INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5760	12.10	2440				
2	3.10	5770	12.10	2480				
3	3.10	5750	12.15	2580				
4	2.90	5680	11.90	2290				
5	3.10	5720	12.10	2450				
6	3.10	5780	12.10	2430				
7	3.10	5730	12.15	2540				
8	3	5700	12.10	2410				
9	3.10	5790	12.15	2590				
10	3.10	5740	12	2400				
11	3.	5740	12.10	2450				
12	3.15	5750	12.00	2440				
13	3.15	5800	11.00	2300				
14	3.20	5900	12	2400				
15	3.10	5760	12.10	2450				
16	3.10	5990	12.15	2540				
17	3.15	5910	12.10	2470				
18	3.10	5880	12.10	2450				
19	3.10	5790	12	2400				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 168 PERFORMED BY: [illegible]

DATE: 6 17 100 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.15	5870	12.10	2460				
21	3.10	5740	12.15	2510				
22	3	5700	12.10	2490				
23	3.10	5780	12.15	2510				
24	3.15	5820	12.15	2540				
25	3.10	5710	12.10	2480				
26	3.10	5730	12.15	2560				
40	3	5700	12.10	2410				
Total								

Comments:

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # M 68

PERFORMED BY: _____

DATE: 6/7/00

INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5700	12	2400				
2	3	5700	12	2400				
3	3.25	5850	12.50	3000				
4	3.25	5800	12.25	2600				
5	3.25	5800	12.15	2500				
6	3	5750	12.25	2600				
7	3.25	5800	12.15	2500				
8	3.25	5800	12.25	2600				
9	3.50	5900	12.25	2600				
10	3.50	5900	12.15	2500				
11	3.25	5800	12.15	2500				
12	3.25	5800	12.40	2700				
13	3	5700	12.20	2510				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
M168	6/8/00	6/8/00	0		40.23
		6/9/00	1	61.97	55.17
		6/10/00	2	59.87	60.47
		6/11/00	3	65.00	62.53
		6/12/00	4	67.57	62.77
		6/13/00	5	69.50	64.33
		6/14/00	6	69.43	64.63
		6/15/00	7	69.37	61.83

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M168	6/8/00	6/8/00	0		
		6/9/00	1		
		6/10/00	2		
		6/11/00	3		
		6/12/00	4		
		6/13/00	5		
		6/14/00	6		
		6/15/00	7	9.43	11.30

All average Oxygen values are expressed as a percent

Friday, June 28, 2002

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M168	6/8/00	6/8/00	0		54.48
		6/9/00	1		63.54
		6/10/00	2		
		6/11/00	3		
		6/12/00	4		50.80
		6/13/00	5		
		6/14/00	6		53.90
		6/15/00	7		54.68

All average MWHC values are expressed in percent

Windrow Number: M168 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	06/08/00	06/16/00	8	03	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*461*
135TNB	06/08/00	06/16/00	8	05	1	LT	417	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*464*
135TNB	06/08/00	06/16/00	8	07	1	LT	417	
					2	LT	500	
					3	LT	417	
				Average Concentration for Cross Section 07 :				*445*
135TNB	06/08/00	06/16/00	8	09	1	LT	400	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*443*
135TNB	06/08/00	06/16/00	8	11	1	LT	454	
					2	LT	476	
					3	LT	385	
				Average Concentration for Cross Section 11 :				*438*

Average Concentration for Windrow on Day 8 : 450

Standard Deviation: 36

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M168 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	06/08/00	06/16/00	8	03	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*461*
13DNB	06/08/00	06/16/00	8	05	1	LT	417	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*464*
13DNB	06/08/00	06/16/00	8	07	1	LT	417	
					2	LT	500	
					3	LT	417	
				Average Concentration for Cross Section 07 :				*445*
13DNB	06/08/00	06/16/00	8	09	1	LT	400	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*443*
13DNB	06/08/00	06/16/00	8	11	1	LT	454	
					2	LT	476	
					3	LT	385	
				Average Concentration for Cross Section 11 :				*438*

Average Concentration for Windrow on Day 8 : 450

Standard Deviation: 36

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M168 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	06/08/00	06/16/00	8	03	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*461*
246TNT	06/08/00	06/16/00	8	05	1	LT	417	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*464*
246TNT	06/08/00	06/16/00	8	07	1	LT	417	
					2	LT	500	
					3	LT	417	
				Average Concentration for Cross Section 07 :				*445*
246TNT	06/08/00	06/16/00	8	09	1	LT	400	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*443*
246TNT	06/08/00	06/16/00	8	11	1	LT	454	
					2	LT	476	
					3	LT	385	
				Average Concentration for Cross Section 11 :				*438*

Average Concentration for Windrow on Day 8 : 450

Standard Deviation: 36

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M168 **2,4-DINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	06/08/00	06/16/00	8	03	1	LT 454	
					2	LT 454	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*461*
24DNT	06/08/00	06/16/00	8	05	1	LT 417	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*464*
24DNT	06/08/00	06/16/00	8	07	1	LT 417	
					2	LT 500	
					3	LT 417	
				Average Concentration for Cross Section 07 :			*445*
24DNT	06/08/00	06/16/00	8	09	1	LT 400	
					2	LT 454	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*443*
24DNT	06/08/00	06/16/00	8	11	1	LT 454	
					2	LT 476	
					3	LT 385	
				Average Concentration for Cross Section 11 :			*438*

Average Concentration for Windrow on Day 8 : 450

Standard Deviation: 36

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M168 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
26DNT	06/08/00	06/16/00	8	03	1	LT 454	
					2	LT 454	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*461*
26DNT	06/08/00	06/16/00	8	05	1	LT 417	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*464*
26DNT	06/08/00	06/16/00	8	07	1	LT 417	
					2	LT 500	
					3	LT 417	
				Average Concentration for Cross Section 07 :			*445*
26DNT	06/08/00	06/16/00	8	09	1	LT 400	
					2	LT 454	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*443*
26DNT	06/08/00	06/16/00	8	11	1	LT 454	
					2	LT 476	
					3	LT 385	
				Average Concentration for Cross Section 11 :			*438*

Average Concentration for Windrow on Day 8 : ***450***

Standard Deviation: ***36***

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M168 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	06/08/00	06/16/00	8	03	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*461*
2A46DT	06/08/00	06/16/00	8	05	1	LT	417	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*464*
2A46DT	06/08/00	06/16/00	8	07	1	LT	417	
					2	LT	500	
					3	LT	417	
				Average Concentration for Cross Section 07 :				*445*
2A46DT	06/08/00	06/16/00	8	09	1	LT	400	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*443*
2A46DT	06/08/00	06/16/00	8	11	1	LT	454	
					2	LT	476	
					3	LT	385	
				Average Concentration for Cross Section 11 :				*438*

Average Concentration for Windrow on Day 8 : 450

Standard Deviation: 36

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M168 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	06/08/00	06/16/00	8	03	1	LT 454	
					2	LT 454	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*461*
2NT	06/08/00	06/16/00	8	05	1	LT 417	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*464*
2NT	06/08/00	06/16/00	8	07	1	LT 417	
					2	LT 500	
					3	LT 417	
				Average Concentration for Cross Section 07 :			*445*
2NT	06/08/00	06/16/00	8	09	1	LT 400	
					2	LT 454	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*443*
2NT	06/08/00	06/16/00	8	11	1	LT 454	
					2	LT 476	
					3	LT 385	
				Average Concentration for Cross Section 11 :			*438*

Average Concentration for Windrow on Day 8 : 450

Standard Deviation: 36

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: M168 **3-NITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
3NT	06/08/00	06/16/00	8	03	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*461*
3NT	06/08/00	06/16/00	8	05	1	LT	417	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*464*
3NT	06/08/00	06/16/00	8	07	1	LT	417	
					2	LT	500	
					3	LT	417	
				Average Concentration for Cross Section 07 :				*445*
3NT	06/08/00	06/16/00	8	09	1	LT	400	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*443*
3NT	06/08/00	06/16/00	8	11	1	LT	454	
					2	LT	476	
					3	LT	385	
				Average Concentration for Cross Section 11 :				*438*

Average Concentration for Windrow on Day 8 : 450

Standard Deviation: 36

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: M168 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	06/08/00	06/16/00	8	03	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*461*
4A26DT	06/08/00	06/16/00	8	05	1	LT	417	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*464*
4A26DT	06/08/00	06/16/00	8	07	1	LT	417	
					2	LT	500	
					3	LT	417	
				Average Concentration for Cross Section 07 :				*445*
4A26DT	06/08/00	06/16/00	8	09	1	LT	400	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*443*
4A26DT	06/08/00	06/16/00	8	11	1	LT	454	
					2	LT	476	
					3	LT	385	
				Average Concentration for Cross Section 11 :				*438*

Average Concentration for Windrow on Day 8 : 450

Standard Deviation: 36

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M168 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4NT	06/08/00	06/16/00	8	03	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*461*
4NT	06/08/00	06/16/00	8	05	1	LT	417	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*464*
4NT	06/08/00	06/16/00	8	07	1	LT	417	
					2	LT	500	
					3	LT	417	
				Average Concentration for Cross Section 07 :				*445*
4NT	06/08/00	06/16/00	8	09	1	LT	400	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*443*
4NT	06/08/00	06/16/00	8	11	1	LT	454	
					2	LT	476	
					3	LT	385	
				Average Concentration for Cross Section 11 :				*438*

Average Concentration for Windrow on Day 8 : 450

Standard Deviation: 36

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M168 *HMX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration* UGKG
HMX	06/08/00	06/16/00	8	03	1	357 J
					2	1410
					3	1550
				Average Concentration for Cross Section 03 :		*1106*
HMX	06/08/00	06/16/00	8	05	1	582
					2	469 J
					3	1340
				Average Concentration for Cross Section 05 :		*797*
HMX	06/08/00	06/16/00	8	07	1	26.5 J
					2	123 J
					3	334 J
				Average Concentration for Cross Section 07 :		*161*
HMX	06/08/00	06/16/00	8	09	1	93.6 J
					2	1440
					3	242 J
				Average Concentration for Cross Section 09 :		*592*
HMX	06/08/00	06/16/00	8	11	1	72.2 J
					2	255 J
					3	118 J
				Average Concentration for Cross Section 11 :		*148*

Average Concentration for Windrow on Day 8 : ***561***

Standard Deviation: ***567***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M168 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
NB	06/08/00	06/16/00	8	03	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*461*
NB	06/08/00	06/16/00	8	05	1	LT	417	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*464*
NB	06/08/00	06/16/00	8	07	1	LT	417	
					2	LT	500	
					3	LT	417	
				Average Concentration for Cross Section 07 :				*445*
NB	06/08/00	06/16/00	8	09	1	LT	400	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*443*
NB	06/08/00	06/16/00	8	11	1	LT	454	
					2	LT	476	
					3	LT	385	
				Average Concentration for Cross Section 11 :				*438*

Average Concentration for Windrow on Day 8 : 450

Standard Deviation: 36

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M168 *RDX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
RDX	06/08/00	06/16/00	8	03	1	5540	
					2	1010	
					3	2890	
				Average Concentration for Cross Section 03 :			*3147*
RDX	06/08/00	06/16/00	8	05	1	7360	
					2	5090	
					3	5390	
				Average Concentration for Cross Section 05 :			*5947*
RDX	06/08/00	06/16/00	8	07	1	1090	
					2	1020	
					3	2990	
				Average Concentration for Cross Section 07 :			*1700*
RDX	06/08/00	06/16/00	8	09	1	266 J	
					2	724	
					3	3260	
				Average Concentration for Cross Section 09 :			*1417*
RDX	06/08/00	06/16/00	8	11	1	923	
					2	745	
					3	3350	
				Average Concentration for Cross Section 11 :			*1673*

Average Concentration for Windrow on Day 8 : ***2777***

Standard Deviation: ***2213***

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M168 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
TETRYL	06/08/00	06/16/00	8	03	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*461*
TETRYL	06/08/00	06/16/00	8	05	1	LT	417	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*464*
TETRYL	06/08/00	06/16/00	8	07	1	LT	417	
					2	LT	500	
					3	LT	417	
				Average Concentration for Cross Section 07 :				*445*
TETRYL	06/08/00	06/16/00	8	09	1	LT	400	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*443*
TETRYL	06/08/00	06/16/00	8	11	1	LT	454	
					2	LT	476	
					3	LT	385	
				Average Concentration for Cross Section 11 :				*438*

Average Concentration for Windrow on Day 8 : 450

Standard Deviation: 36

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-169 Day 0: 06/16/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5750	12.1	2470	5.275	11605	20.375	19825
2	3.1	5770	12	2400	5.275	11605	20.375	19775
3	3.1	5720	12.1	2460	5.275	11605	20.475	19785
4	3	5700	12.1	2450	5.275	11605	20.375	19755
5	3.1	5780	11.9	2290	5.275	11605	20.275	19675
6	3.1	5730	12	2400	5.275	11605	20.375	19735
7	3.1	5740	12.15	2530	5.275	11605	20.525	19875
8	3.1	5770	12.1	2480	5.275	11605	20.475	19855
9	3.15	5810	12.15	2590	5.275	11605	20.575	20005
10	3.1	5790	12.15	2550	5.275	11605	20.525	19945
11	3	5700	12.1	2440	5.275	11605	20.375	19745
12	3.1	5730	12.2	2610	5.275	11605	20.575	19945
13	3.15	5820	12.15	2530	5.275	11605	20.575	19955
14	3.15	5960	12.1	2440	5.275	11605	20.525	20005
15	3.15	5890	12.2	2640	5.275	11605	20.625	20135
16	3.1	5740	12.1	2410	5.275	11605	20.475	19755
17	3	5700	12.1	2480	5.275	11605	20.375	19785
18	3.1	5770	12	2400	5.275	11605	20.375	19775
19	3.15	5810	12.15	2510	5.275	11605	20.575	19925
20	3	5700	12.1	2460	5.275	11605	20.375	19765
21	3.1	5750	12	2400	5.275	11605	20.375	19755
22	3.1	5720	12.1	2490	5.275	11605	20.475	19815
23	3.1	5780	2.15	2500	5.275	11605	10.525	19885
24	3.1	5790	12.15	2540	5.275	11605	20.525	19935
25	3.1	5750	12.15	2520	5.275	11605	20.525	19875
26	3.1	5860	12	2400	5.275	11605	20.375	19865
27	3.25	5900	12.25	2500	5.275	11605	20.775	20005
28	3	5700	12.5	2600	5.275	11605	20.775	19905
29	3.6	6000	12.75	2700	5.275	11605	21.625	20305
30	3.25	5900	12	2400	5.275	11605	20.525	19905
31	3	5700	12	2400	5.275	11605	20.275	19705
32	3.1	5800	12.85	2800	5.275	11605	21.225	20205
33	3.1	5800	12.25	2500	5.275	11605	20.625	19905
34	3.25	5900	12.85	2800	5.275	11605	21.375	20305
35	3.1	5800	12	2400	5.275	11605	20.375	19805
36	3	5700	12.75	2700	5.275	11605	21.025	20005
37	3.75	6100	12.25	2500	5.275	11605	21.275	20205
38	3	5700	12.5	2600	5.275	11605	20.775	19905
39	3.15	5820	12.15	2540	5.275	11605	20.575	19965
40					5.275	11605	5.275	11605
Total	122	225850	465.6	97830	211.00	464200	798.5	787880

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 169 PERFORMED BY: Howard

DATE: 6/16/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5750	12.10	2470				
2	3.10	5770	12	2400				
3	3.10	5720	12.10	2460				
4	3	5700	12.10	2430				
5	3.10	5780	11.90	2290				
6	3.10	5730	12	2400				
7	3.10	5740	12.15	2530				
8	3.10	5770	12.10	2480				
9	3.15	5810	12.15	2590				
10	3.10	5790	12.15	2550				
11	3	5700	12.10	2440				
12	3.10	5730	12.20	2610				
13	3.15	5820	12.15	2530				
14	3.15	5960	12.10	2440				
15	3.15	5890	12.20	2640				
16	3.10	5740	12.10	2410				
17	3	5700	12.10	2480				
18	3.10	5770	12	2400				
19	3.15	5810	12.15	2510				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 17 Windrow # 169 PERFORMED BY: [illegible]

DATE: 01/6/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3	5700	12.10	2460				
21	3.10	5750	12	2400				
22	3.10	5720	12.10	2490				
23	3.10	5780	12.15	2500				
24	3.10	5790	12.15	2540				
25	3.10	5750	12.15	2520				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 21 Windrow # 21169 PERFORMED BY: _____

DATE: 6/15/00 INSPECTED BY: _____

Design Quantity: Chicken Manure_____CY _____Pounds
Straw_____CY_____Pounds
Soil_____CY_____Pounds

Batch Number	CHICKEN MANURE Supplier:_____		STRAW Supplier:_____		SOIL Location:_____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5800	12	2400				
2	3.25	5900	12.25	2500				
3	3	5700	12.50	2600				
4	3.60	6000	12.75	2700				
5	3.25	5900	12	2400				
6	3	5700	12	2400				
7	3.10	5800	12.85	2800				
8	3.10	5800	12.25	2500				
9	3.25	5900	12.85	2800				
10	3.10	5800	12	2400				
11	3	5700	12.75	2700				
12	3.75	6100	12.25	2500				
13	3	5700	12.50	2600				
14	3.15	5820	12.15	2590				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
M169	6/16/00	6/16/00	0		45.03
		6/17/00	1	59.47	50.80
		6/18/00	2	65.30	57.80
		6/19/00	3	68.43	63.13
		6/20/00	4	69.00	63.30
		6/21/00	5	69.50	64.17
		6/22/00	6	68.63	64.93

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M169	6/16/00	6/16/00	0		11.37
		6/17/00	1	13.13	8.93
		6/18/00	2	12.40	7.83
		6/19/00	3	10.30	5.73
		6/20/00	4	10.93	9.50
		6/21/00	5	12.60	11.70
		6/22/00	6		9.20

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M169	6/16/00	6/16/00	0		63.24
		6/17/00	1		
		6/18/00	2		
		6/19/00	3		
		6/20/00	4		64.90
		6/21/00	5		62.34
		6/22/00	6		

All average MWHC values are expressed in percent

Windrow Number: M169 *1,3,5-TRINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
135TNB	06/16/00	06/23/00	7	03	1	LT	476	
					2	LT	476	
					3	LT	417	
				Average Concentration for Cross Section 03 :				*456*
135TNB	06/16/00	06/23/00	7	05	1	LT	435	
					2	LT	417	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*451*
135TNB	06/16/00	06/23/00	7	07	1	LT	400	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*436*
135TNB	06/16/00	06/23/00	7	09	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*461*
135TNB	06/16/00	06/23/00	7	11	1	LT	476	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 11 :				*449*

Average Concentration for Windrow on Day 7 : ***451***

Standard Deviation: ***28***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M169 *1,3-DINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
13DNB	06/16/00	06/23/00	7	03	1	LT	476	
					2	LT	476	
					3	LT	417	
				Average Concentration for Cross Section 03 :				*456*
13DNB	06/16/00	06/23/00	7	05	1	LT	435	
					2	LT	417	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*451*
13DNB	06/16/00	06/23/00	7	07	1	LT	400	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*436*
13DNB	06/16/00	06/23/00	7	09	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*461*
13DNB	06/16/00	06/23/00	7	11	1	LT	476	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 11 :				*449*

Average Concentration for Windrow on Day 7 : ***451***

Standard Deviation: ***28***

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M169 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	06/16/00	06/23/00	7	03	1	LT	476	
					2	LT	476	
					3	LT	417	
				Average Concentration for Cross Section 03 :				*456*
246TNT	06/16/00	06/23/00	7	05	1	LT	435	
					2	LT	417	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*451*
246TNT	06/16/00	06/23/00	7	07	1	LT	400	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*436*
246TNT	06/16/00	06/23/00	7	09	1		10800	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*3910*
246TNT	06/16/00	06/23/00	7	11	1	LT	476	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 11 :				*449*

Average Concentration for Windrow on Day 7 : ***1140***

Standard Deviation: ***2672***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M169 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
24DNT	06/16/00	06/23/00	7	03	1	LT 476	
					2	LT 476	
					3	LT 417	
				Average Concentration for Cross Section 03 :			*456*
24DNT	06/16/00	06/23/00	7	05	1	LT 435	
					2	LT 417	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*451*
24DNT	06/16/00	06/23/00	7	07	1	LT 400	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 07 :			*436*
24DNT	06/16/00	06/23/00	7	09	1	LT 454	
					2	LT 476	
					3	LT 454	
				Average Concentration for Cross Section 09 :			*461*
24DNT	06/16/00	06/23/00	7	11	1	LT 476	
					2	LT 435	
					3	LT 435	
				Average Concentration for Cross Section 11 :			*449*

Average Concentration for Windrow on Day 7 : 451

Standard Deviation: 28

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M169 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
26DNT	06/16/00	06/23/00	7	03	1	LT	476	
					2	LT	476	
					3	LT	417	
				Average Concentration for Cross Section 03 :				*456*
26DNT	06/16/00	06/23/00	7	05	1	LT	435	
					2	LT	417	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*451*
26DNT	06/16/00	06/23/00	7	07	1	LT	400	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*436*
26DNT	06/16/00	06/23/00	7	09	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*461*
26DNT	06/16/00	06/23/00	7	11	1	LT	476	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 11 :				*449*

Average Concentration for Windrow on Day 7 : 451

Standard Deviation: 28

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M169 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
2A46DT	06/16/00	06/23/00	7	03	1	LT	476	
					2	LT	476	
					3	LT	417	
				Average Concentration for Cross Section 03 :				*456*
2A46DT	06/16/00	06/23/00	7	05	1	LT	435	
					2	LT	417	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*451*
2A46DT	06/16/00	06/23/00	7	07	1	LT	400	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*436*
2A46DT	06/16/00	06/23/00	7	09	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*461*
2A46DT	06/16/00	06/23/00	7	11	1	LT	476	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 11 :				*449*

Average Concentration for Windrow on Day 7 : ***451***

Standard Deviation: ***28***

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M169 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	06/16/00	06/23/00	7	03	1	LT 476	
					2	LT 476	
					3	LT 417	
				Average Concentration for Cross Section 03 :			*456*
2NT	06/16/00	06/23/00	7	05	1	LT 435	
					2	LT 417	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*451*
2NT	06/16/00	06/23/00	7	07	1	LT 400	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 07 :			*436*
2NT	06/16/00	06/23/00	7	09	1	LT 454	
					2	LT 476	
					3	LT 454	
				Average Concentration for Cross Section 09 :			*461*
2NT	06/16/00	06/23/00	7	11	1	LT 476	
					2	LT 435	
					3	LT 435	
				Average Concentration for Cross Section 11 :			*449*

Average Concentration for Windrow on Day 7 : 451

Standard Deviation: 28

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: M169 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
3NT	06/16/00	06/23/00	7	03	1	LT	476
					2	LT	476
					3	LT	417
				Average Concentration for Cross Section 03 :			*456*
3NT	06/16/00	06/23/00	7	05	1	LT	435
					2	LT	417
					3	LT	500
				Average Concentration for Cross Section 05 :			*451*
3NT	06/16/00	06/23/00	7	07	1	LT	400
					2	LT	454
					3	LT	454
				Average Concentration for Cross Section 07 :			*436*
3NT	06/16/00	06/23/00	7	09	1	LT	454
					2	LT	476
					3	LT	454
				Average Concentration for Cross Section 09 :			*461*
3NT	06/16/00	06/23/00	7	11	1	LT	476
					2	LT	435
					3	LT	435
				Average Concentration for Cross Section 11 :			*449*

Average Concentration for Windrow on Day 7 : 451

Standard Deviation: 28

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: M169 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4A26DT	06/16/00	06/23/00	7	03	1	LT 476	
					2	LT 476	
					3	LT 417	
				Average Concentration for Cross Section 03 :			*456*
4A26DT	06/16/00	06/23/00	7	05	1	LT 435	
					2	LT 417	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*451*
4A26DT	06/16/00	06/23/00	7	07	1	LT 400	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 07 :			*436*
4A26DT	06/16/00	06/23/00	7	09	1	LT 454	
					2	LT 476	
					3	LT 454	
				Average Concentration for Cross Section 09 :			*461*
4A26DT	06/16/00	06/23/00	7	11	1	LT 476	
					2	LT 435	
					3	LT 435	
				Average Concentration for Cross Section 11 :			*449*

Average Concentration for Windrow on Day 7 : ***451***

Standard Deviation: ***28***

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M169 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4NT	06/16/00	06/23/00	7	03	1	LT	476	
					2	LT	476	
					3	LT	417	
				Average Concentration for Cross Section 03 :				*456*
4NT	06/16/00	06/23/00	7	05	1	LT	435	
					2	LT	417	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*451*
4NT	06/16/00	06/23/00	7	07	1	LT	400	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*436*
4NT	06/16/00	06/23/00	7	09	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*461*
4NT	06/16/00	06/23/00	7	11	1	LT	476	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 11 :				*449*

Average Concentration for Windrow on Day 7 : 451

Standard Deviation: 28

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M169 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration UGKG
HMX	06/16/00	06/23/00	7	03	1	1340
					2	1090
					3	532
				Average Concentration for Cross Section 03 :		*987*
HMX	06/16/00	06/23/00	7	05	1	392 J
					2	863
					3	318 J
				Average Concentration for Cross Section 05 :		*524*
HMX	06/16/00	06/23/00	7	07	1	294 J
					2	522
					3	581
				Average Concentration for Cross Section 07 :		*466*
HMX	06/16/00	06/23/00	7	09	1	3610
					2	434 J
					3	334 J
				Average Concentration for Cross Section 09 :		*1459*
HMX	06/16/00	06/23/00	7	11	1	61.5 J
					2	257 J
					3	500
				Average Concentration for Cross Section 11 :		*273*

Average Concentration for Windrow on Day 7 : ***742***

Standard Deviation: ***860***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M169 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
NB	06/16/00	06/23/00	7	03	1	LT	476	
					2	LT	476	
					3	LT	417	
				Average Concentration for Cross Section 03 :				*456*
NB	06/16/00	06/23/00	7	05	1	LT	435	
					2	LT	417	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*451*
NB	06/16/00	06/23/00	7	07	1	LT	400	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*436*
NB	06/16/00	06/23/00	7	09	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*461*
NB	06/16/00	06/23/00	7	11	1	LT	476	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 11 :				*449*

Average Concentration for Windrow on Day 7 : 451

Standard Deviation: 28

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M169 *RDX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
RDX	06/16/00	06/23/00	7	03	1	14700	
					2	1620	
					3	18400	
				Average Concentration for Cross Section 03 :			*11573*
RDX	06/16/00	06/23/00	7	05	1	898	
					2	8430	
					3	1640	
				Average Concentration for Cross Section 05 :			*3656*
RDX	06/16/00	06/23/00	7	07	1	6080	
					2	3510	
					3	1220	
				Average Concentration for Cross Section 07 :			*3603*
RDX	06/16/00	06/23/00	7	09	1	37700	
					2	5670	
					3	4040	
				Average Concentration for Cross Section 09 :			*15803*
RDX	06/16/00	06/23/00	7	11	1	192 J	
					2	3380	
					3	2330	
				Average Concentration for Cross Section 11 :			*1967*

Average Concentration for Windrow on Day 7 : ***7321***

Standard Deviation: ***9876***

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M169 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
TETRYL	06/16/00	06/23/00	7	03	1	LT	476	
					2	LT	476	
					3	LT	417	
				Average Concentration for Cross Section 03 :				*456*
TETRYL	06/16/00	06/23/00	7	05	1	LT	435	
					2	LT	417	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*451*
TETRYL	06/16/00	06/23/00	7	07	1	LT	400	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*436*
TETRYL	06/16/00	06/23/00	7	09	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*461*
TETRYL	06/16/00	06/23/00	7	11	1	LT	476	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 11 :				*449*

Average Concentration for Windrow on Day 7 : 451

Standard Deviation: 28

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-170 Day 0: 06/16/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5750	12.1	2480	5.275	11605	20.475	19835
2	3	5700	12.1	2450	5.275	11605	20.375	19755
3	3.1	5740	12.15	2451	5.275	11605	20.525	19796
4	3.1	5770	12.1	2490	5.275	11605	20.475	19865
5	3.1	5790	12.15	2520	5.275	11605	20.525	19915
6	3	5700	12.1	2460	5.275	11605	20.375	19765
7	3.15	5840	12.15	2550	5.275	11605	20.575	19995
8	3.1	5740	12	2400	5.275	11605	20.375	19745
9	3.15	5850	12.1	2470	5.275	11605	20.525	19925
10	3.15	5830	12.15	2590	5.275	11605	20.575	20025
11	3.1	5730	12.1	2450	5.275	11605	20.475	19785
12	3.1	5780	12	2400	5.275	11605	20.375	19785
13	3	5700	12.1	2430	5.275	11605	20.375	19735
14	3.1	5770	12	2420	5.275	11605	20.375	19795
15	3.1	5740	12	2410	5.275	11605	20.375	19755
16	3.15	5850	12	2400	5.275	11605	20.425	19855
17	3.15	5880	12	2360	5.275	11605	20.425	19845
18	3.1	5750	12.15	2510	5.275	11605	20.525	19865
19	3	5700	12.1	2440	5.275	11605	20.375	19745
20	3	5700	12.1	2460	5.275	11605	20.375	19765
21	3.15	5810	12.15	2510	5.275	11605	20.575	19925
22	3.1	5720	12.1	2440	5.275	11605	20.475	19765
23	3.1	5770	12.15	2570	5.275	11605	20.525	19945
24	3	5700	12.1	2450	5.275	11605	20.375	19755
25	3.15	5820	12	2400	5.275	11605	20.425	19825
26	3	5700	12	2400	5.275	11605	20.275	19705
27	3.1	5800	12.5	2600	5.275	11605	20.875	20005
28	3.1	5800	12.5	2600	5.275	11605	20.875	20005
29	3	5750	13.5	3000	5.275	11605	21.775	20355
30	3.1	5800	12.5	2600	5.275	11605	20.875	20005
31	3	5700	12.25	2500	5.275	11605	20.525	19805
32	3.1	5800	12	2400	5.275	11605	20.375	19805
33	3.25	5900	12	2400	5.275	11605	20.525	19905
34	3	5700	12	2400	5.275	11605	20.275	19705
35	3.25	5900	12.25	2500	5.275	11605	20.775	20005
36	3.25	5900	12	2400	5.275	11605	20.525	19905
37	3.1	5800	12.25	2600	5.275	11605	20.625	20005
38	3	5700	12	2400	5.275	11605	20.275	19705
39	3.25	5900	12	2400	5.275	11605	20.525	19905
40					5.275	11605	5.275	11605
Total	120.75	225280	473.9	96711	211.00	464200	805.65	786191

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 100 PERFORMED BY: Howard

DATE: 6/17/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5750	12.10	2480				
2	3	5700	12.10	2450				
3	3.10	5740	12.15	2510				
4	3.10	5770	12.10	2490				
5	3.10	5790	12.15	2520				
6	3	5700	12.10	2460				
7	3.15	5840	12.15	2550				
8	3.10	5740	12	2400				
9	3.15	5850	12.10	2470				
10	3.15	5830	12.15	2590				
11	3.10	5730	12.10	2450				
12	3.10	5780	12	2400				
13	3	5700	12.10	2430				
14	3.10	5770	12.10	2420				
15	3.10	5770	12	2410				
16	3.15	5850	12	2400				
17	3.15	5880	12	2360				
18	3.10	5750	12.15	2510				
19	3	5700	12.10	2440				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # S Windrow # 17D PERFORMED BY: Idamand

DATE: 6 17 100 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3	5700	12.10	2460				
21	3.15	5810	12.15	2510				
22	3.10	5720	12.10	2440				
23	3.10	5770	12.15	2570				
24	3	5700	12.10	2480				
25	3.15	5820	12.	2400				
Total								

Comments:

SOP 3.0 FIGURE 2a Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 5120 PERFORMED BY: [illegible]

DATE: 6/15/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5700	12	2400				
2	3.10	5800	12.50	2600				
3	3.10	5800	12.50	2600				
4	3	5750	13.5	3000				
5	3.10	5800	12.5	2600				
6	3	5700	12.25	2500				
7	3.10	5800	12	2400				
8	3.25	5900	12	2400				
9	3	5700	12	2400				
10	3.25	5900	12.25	2500				
11	3.25	5900	12	2400				
12	3.10	5800	12.5	2600				
13	3	5700	12	2400				
14	3.25	5900	12	2400				
15								
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
S170	6/16/00	6/16/00	0		41.03
		6/17/00	1	60.83	50.30
		6/18/00	2	63.97	60.03
		6/19/00	3	63.00	65.60
		6/20/00	4	67.50	64.77
		6/21/00	5	64.80	62.40
		6/22/00	6	68.43	64.67
		6/23/00	7	67.63	65.57
		6/24/00	8	70.90	61.90
		6/25/00	9	67.60	63.67
		6/26/00	10	70.00	65.73
		6/27/00	11	71.23	64.43

All average temperatures are in degrees centigrade

Friday, June 28, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S170	6/16/00	6/16/00	0		7.77
		6/17/00	1	10.17	10.93
		6/18/00	2	14.00	6.30
		6/19/00	3	8.67	5.47
		6/20/00	4	10.77	6.13
		6/21/00	5	16.00	13.87
		6/22/00	6		10.10
		6/23/00	7	13.87	8.37
		6/24/00	8	17.17	12.47
		6/25/00	9	11.07	13.50
		6/26/00	10	12.17	8.67
		6/27/00	11	7.83	10.50

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S170	6/16/00	6/16/00	0		56.90
		6/17/00	1		
		6/18/00	2		
		6/19/00	3		
		6/20/00	4		54.16
		6/21/00	5		66.80
		6/22/00	6		
		6/23/00	7		66.60
		6/24/00	8		
		6/25/00	9		
		6/26/00	10		51.68
		6/27/00	11		

All average MWHC values are expressed in percent

Windrow Number: S170 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	06/16/00	06/28/00	12	03	1	LT	454	
					2	LT	435	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*448*
135TNB	06/16/00	06/28/00	12	05	1	LT	500	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 05 :				*457*
135TNB	06/16/00	06/28/00	12	07	1	LT	417	
					2	LT	400	
					3	LT	400	
				Average Concentration for Cross Section 07 :				*406*
135TNB	06/16/00	06/28/00	12	09	1	LT	454	
					2	LT	454	
					3	LT	400	
				Average Concentration for Cross Section 09 :				*436*
135TNB	06/16/00	06/28/00	12	11	1	LT	417	
					2	LT	400	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*431*

Average Concentration for Windrow on Day 12 : 435

Standard Deviation: 30

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: S170 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
13DNB	06/16/00	06/28/00	12	03	1	LT	454
					2	LT	435
					3	LT	454
				Average Concentration for Cross Section 03 :			*448*
13DNB	06/16/00	06/28/00	12	05	1	LT	500
					2	LT	435
					3	LT	435
				Average Concentration for Cross Section 05 :			*457*
13DNB	06/16/00	06/28/00	12	07	1	LT	417
					2	LT	400
					3	LT	400
				Average Concentration for Cross Section 07 :			*406*
13DNB	06/16/00	06/28/00	12	09	1	LT	454
					2	LT	454
					3	LT	400
				Average Concentration for Cross Section 09 :			*436*
13DNB	06/16/00	06/28/00	12	11	1	LT	417
					2	LT	400
					3	LT	476
				Average Concentration for Cross Section 11 :			*431*

Average Concentration for Windrow on Day 12 : 435

Standard Deviation: 30

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: S170 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
246TNT	06/16/00	06/28/00	12	03	1	LT	454
					2		111 J
					3	LT	454
				Average Concentration for Cross Section 03 :			*340*
246TNT	06/16/00	06/28/00	12	05	1	LT	500
					2	LT	435
					3	LT	435
				Average Concentration for Cross Section 05 :			*457*
246TNT	06/16/00	06/28/00	12	07	1	LT	417
					2	LT	400
					3	LT	400
				Average Concentration for Cross Section 07 :			*406*
246TNT	06/16/00	06/28/00	12	09	1	LT	454
					2	LT	454
					3	LT	400
				Average Concentration for Cross Section 09 :			*436*
246TNT	06/16/00	06/28/00	12	11	1	LT	417
					2	LT	400
					3	LT	476
				Average Concentration for Cross Section 11 :			*431*

Average Concentration for Windrow on Day 12 : 414

Standard Deviation: 89

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S170 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
24DNT	06/16/00	06/28/00	12	03	1	LT	454	
					2	LT	435	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*448*
24DNT	06/16/00	06/28/00	12	05	1	LT	500	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 05 :				*457*
24DNT	06/16/00	06/28/00	12	07	1	LT	417	
					2	LT	400	
					3	LT	400	
				Average Concentration for Cross Section 07 :				*406*
24DNT	06/16/00	06/28/00	12	09	1	LT	454	
					2	LT	454	
					3	LT	400	
				Average Concentration for Cross Section 09 :				*436*
24DNT	06/16/00	06/28/00	12	11	1	LT	417	
					2	LT	400	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*431*

Average Concentration for Windrow on Day 12 : 435

Standard Deviation: 30

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S170 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
26DNT	06/16/00	06/28/00	12	03	1	LT 454	
					2	LT 435	
					3	LT 454	
				Average Concentration for Cross Section 03 :			*448*
26DNT	06/16/00	06/28/00	12	05	1	LT 500	
					2	LT 435	
					3	LT 435	
				Average Concentration for Cross Section 05 :			*457*
26DNT	06/16/00	06/28/00	12	07	1	LT 417	
					2	LT 400	
					3	LT 400	
				Average Concentration for Cross Section 07 :			*406*
26DNT	06/16/00	06/28/00	12	09	1	LT 454	
					2	LT 454	
					3	LT 400	
				Average Concentration for Cross Section 09 :			*436*
26DNT	06/16/00	06/28/00	12	11	1	LT 417	
					2	LT 400	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*431*

Average Concentration for Windrow on Day 12 : 435

Standard Deviation: 30

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: S170 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
2A46DT	06/16/00	06/28/00	12	03	1	LT	454	
					2	LT	435	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*448*
2A46DT	06/16/00	06/28/00	12	05	1	LT	500	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 05 :				*457*
2A46DT	06/16/00	06/28/00	12	07	1	LT	417	
					2	LT	400	
					3	LT	400	
				Average Concentration for Cross Section 07 :				*406*
2A46DT	06/16/00	06/28/00	12	09	1	LT	454	
					2	LT	454	
					3	LT	400	
				Average Concentration for Cross Section 09 :				*436*
2A46DT	06/16/00	06/28/00	12	11	1	LT	417	
					2	LT	400	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*431*

Average Concentration for Windrow on Day 12 : 435

Standard Deviation: 30

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: S170 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	06/16/00	06/28/00	12	03	1	LT	454
					2	LT	435
					3	LT	454
				Average Concentration for Cross Section 03 :			*448*
2NT	06/16/00	06/28/00	12	05	1	LT	500
					2	LT	435
					3	LT	435
				Average Concentration for Cross Section 05 :			*457*
2NT	06/16/00	06/28/00	12	07	1	LT	417
					2	LT	400
					3	LT	400
				Average Concentration for Cross Section 07 :			*406*
2NT	06/16/00	06/28/00	12	09	1	LT	454
					2	LT	454
					3	LT	400
				Average Concentration for Cross Section 09 :			*436*
2NT	06/16/00	06/28/00	12	11	1	LT	417
					2	LT	400
					3	LT	476
				Average Concentration for Cross Section 11 :			*431*

Average Concentration for Windrow on Day 12 : ***435***

Standard Deviation: ***30***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: S170 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
3NT	06/16/00	06/28/00	12	03	1	LT	454	
					2	LT	435	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*448*
3NT	06/16/00	06/28/00	12	05	1	LT	500	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 05 :				*457*
3NT	06/16/00	06/28/00	12	07	1	LT	417	
					2	LT	400	
					3	LT	400	
				Average Concentration for Cross Section 07 :				*406*
3NT	06/16/00	06/28/00	12	09	1	LT	454	
					2	LT	454	
					3	LT	400	
				Average Concentration for Cross Section 09 :				*436*
3NT	06/16/00	06/28/00	12	11	1	LT	417	
					2	LT	400	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*431*

Average Concentration for Windrow on Day 12 : ***435***

Standard Deviation: ***30***

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: S170 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
4A26DT	06/16/00	06/28/00	12	03	1	LT	454	
					2	LT	435	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*448*
4A26DT	06/16/00	06/28/00	12	05	1	LT	500	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 05 :				*457*
4A26DT	06/16/00	06/28/00	12	07	1	LT	417	
					2	LT	400	
					3	LT	400	
				Average Concentration for Cross Section 07 :				*406*
4A26DT	06/16/00	06/28/00	12	09	1	LT	454	
					2	LT	454	
					3	LT	400	
				Average Concentration for Cross Section 09 :				*436*
4A26DT	06/16/00	06/28/00	12	11	1	LT	417	
					2	LT	400	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*431*

Average Concentration for Windrow on Day 12 : ***435***

Standard Deviation: ***30***

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: S170 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4NT	06/16/00	06/28/00	12	03	1	LT	454	
					2	LT	435	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*448*
4NT	06/16/00	06/28/00	12	05	1	LT	500	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 05 :				*457*
4NT	06/16/00	06/28/00	12	07	1	LT	417	
					2	LT	400	
					3	LT	400	
				Average Concentration for Cross Section 07 :				*406*
4NT	06/16/00	06/28/00	12	09	1	LT	454	
					2	LT	454	
					3	LT	400	
				Average Concentration for Cross Section 09 :				*436*
4NT	06/16/00	06/28/00	12	11	1	LT	417	
					2	LT	400	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*431*

Average Concentration for Windrow on Day 12 : 435

Standard Deviation: 30

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: S170 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
HMX	06/16/00	06/28/00	12	03	1	LT	454	
					2		560	
					3		270 J	
				Average Concentration for Cross Section 03 :				*428*
HMX	06/16/00	06/28/00	12	05	1		134 J	
					2		355 J	
					3		81.1 J	
				Average Concentration for Cross Section 05 :				*190*
HMX	06/16/00	06/28/00	12	07	1		42.8 J	
					2		986	
					3		196 J	
				Average Concentration for Cross Section 07 :				*408*
HMX	06/16/00	06/28/00	12	09	1	LT	454	
					2		1520	
					3		109 J	
				Average Concentration for Cross Section 09 :				*694*
HMX	06/16/00	06/28/00	12	11	1		15.2 J	
					2		1080	
					3		498	
				Average Concentration for Cross Section 11 :				*531*

Average Concentration for Windrow on Day 12 : 450

Standard Deviation: 436

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: S170 *NITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
NB	06/16/00	06/28/00	12	03	1	LT	454	
					2	LT	435	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*448*
NB	06/16/00	06/28/00	12	05	1	LT	500	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 05 :				*457*
NB	06/16/00	06/28/00	12	07	1	LT	417	
					2	LT	400	
					3	LT	400	
				Average Concentration for Cross Section 07 :				*406*
NB	06/16/00	06/28/00	12	09	1	LT	454	
					2	LT	454	
					3	LT	400	
				Average Concentration for Cross Section 09 :				*436*
NB	06/16/00	06/28/00	12	11	1	LT	417	
					2	LT	400	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*431*

Average Concentration for Windrow on Day 12 : ***435***

Standard Deviation: ***30***

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: S170 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
RDX	06/16/00	06/28/00	12	03	1	268 J	
					2	4470	
					3	994	
				Average Concentration for Cross Section 03 :			*1911*
RDX	06/16/00	06/28/00	12	05	1	LT 500	
					2	4080	
					3	550	
				Average Concentration for Cross Section 05 :			*1710*
RDX	06/16/00	06/28/00	12	07	1	1180	
					2	6630	
					3	499	
				Average Concentration for Cross Section 07 :			*2770*
RDX	06/16/00	06/28/00	12	09	1	LT 454	
					2	5800	
					3	772	
				Average Concentration for Cross Section 09 :			*2342*
RDX	06/16/00	06/28/00	12	11	1	463	
					2	2090	
					3	368 J	
				Average Concentration for Cross Section 11 :			*974*

Average Concentration for Windrow on Day 12 : 1941

Standard Deviation: 2179

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: S170 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	06/16/00	06/28/00	12	03	1	LT	454
					2	LT	435
					3	LT	454
				Average Concentration for Cross Section 03 :			*448*
TETRYL	06/16/00	06/28/00	12	05	1	LT	500
					2	LT	435
					3	LT	435
				Average Concentration for Cross Section 05 :			*457*
TETRYL	06/16/00	06/28/00	12	07	1	LT	417
					2	LT	400
					3	LT	400
				Average Concentration for Cross Section 07 :			*406*
TETRYL	06/16/00	06/28/00	12	09	1	LT	454
					2	LT	454
					3	LT	400
				Average Concentration for Cross Section 09 :			*436*
TETRYL	06/16/00	06/28/00	12	11	1	LT	417
					2	LT	400
					3	LT	476
				Average Concentration for Cross Section 11 :			*431*

Average Concentration for Windrow on Day 12 : 435

Standard Deviation: 30

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-171 Day 0: 06/20/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.15	5810	12.1	2470	5.275	11605	20.525	19885
2	3.1	5730	12.15	2540	5.275	11605	20.525	19875
3	3	5700	12.1	2420	5.275	11605	20.375	19725
4	3.1	5760	12.15	2550	5.275	11605	20.525	19915
5	3.15	5840	12.15	2590	5.275	11605	20.575	20035
6	3.1	5770	12.1	2480	5.275	11605	20.475	19855
7	3	5700	12.1	2460	5.275	11605	20.375	19765
8	3.15	5820	12.15	2510	5.275	11605	20.575	19935
9	3.1	5720	12	2400	5.275	11605	20.375	19725
10	3	5700	12.15	2570	5.275	11605	20.425	19875
11	3.1	5790	12.15	2540	5.275	11605	20.525	19935
12	3.1	5740	12.15	2530	5.275	11605	20.525	19875
13	3	5700	12.15	2580	5.275	11605	20.425	19885
14	3.1	5480	12.1	2490	5.275	11605	20.475	19575
15	3	5700	12.1	2450	5.275	11605	20.375	19755
16	3.15	5820	12.1	2440	5.275	11605	20.525	19865
17	3.2	5900	12.15	2520	5.275	11605	20.625	20025
18	3.15	5880	12.1	2480	5.275	11605	20.525	19985
19	3	5700	12	2390	5.275	11605	20.275	19875
20	3.15	5810	12.25	2600	5.275	11605	20.675	19905
21	3.1	5730	12.15	2540	5.275	11605	20.525	19955
22	3.15	5820	12.1	2490	5.275	11605	20.525	19915
23	3.1	5750	12.1	2450	5.275	11605	20.475	19805
24	3.1	5790	12.1	2490	5.275	11605	20.475	19885
25	3.1	5760	12.15	2570	5.275	11605	20.525	19935
26	3	5700	12.1	2460	5.275	11605	20.375	19765
27	3.1	5770	12.15	2550	5.275	11605	20.525	19925
28	3	5700	12	2400	5.275	11605	20.275	19705
29	3.1	5800	12.25	2500	5.275	11605	20.625	19905
30	3.1	5800	12.5	2600	5.275	11605	20.875	20005
31	3.1	5800	12.75	2700	5.275	11605	21.125	20105
32	3.25	5900	12.5	2600	5.275	11605	21.025	20105
33	3.25	5900	12.5	2600	5.275	11605	21.025	20105
34	3.4	6000	12	2400	5.275	11605	20.675	20005
35	3.1	5800	12.75	2700	5.275	11605	21.125	20105
36	3.4	6000	13	2800	5.275	11605	21.675	20405
37	3.1	5800	12.5	2600	5.275	11605	20.875	20005
38	3.25	6000	13	2800	5.275	11605	21.525	20405
39	3.1	5800	12	2400	5.275	11605	20.375	19805
40	3	5700	12	2400	5.275	11605	20.275	19705
41	3.1	5720	12.5	2600				
Total	127.7	237110	501.5	103660	211.00	464200	824.6	796820

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 171 PERFORMED BY: Howard

DATE: 6 1 19 00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.15	5810	12.10	2470				
2	3.10	5730	12.15	2540				
3	3	5700	12.10	2420				
4	3.10	5760	12.15	2550				
5	3.15	5840	12.15	2590				
6	3.10	5770	12.10	2480				
7	3	5700	12.10	2460				
8	3.15	5820	12.15	2510				
9	3.10	5720	12	2400				
10	3	5700	12.15	2570				
11	3.10	5790	12.15	2540				
12	3.10	5740	12.15	2530				
13	3	5700	12.15	2580				
14	3.10	5780	12.10	2490				
15	3	5700	12.10	2450				
16	3.15	5820	12.10	2440				
17	3.20	5900	12.15	2520				
18	3.15	5880	12.10	2480				
19	3	5700	12	2390				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # S Windrow # 171 PERFORMED BY: Howard

DATE: 6/19/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.15	5810	12.25	2660				
21	3.10	5730	12.15	2540				
22	3.15	5820	12.10	2490				
23	3.10	5750	12.10	2450				
24	3.10	5790	12.10	2490				
25	3.10	5760	12.15	2570				
26	3	5700	12.10	2460				
27	3.10	5770	12.15	2550				
28								
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # S Windrow # 3121 PERFORMED BY: [illegible]

DATE: 8/19/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5700	12	2400				
2	3.10	5800	12.25	2500				
3	3.10	5800	12.50	2600				
4	3.10	5800	12.75	2700				
5	3.25	5900	12.50	2600				
6	3.25	5900	12.50	2600				
7	3.40	6000	12	2400				
8	3.10	5800	12.75	2700				
9	3.40	6000	13	2800				
10	3.10	5800	12.50	2600				
11	3.25	5900	13	2800				
12	3.10	5800	12	2400				
13	3	5700	12	2400				
14	3.10	5720	12.50	2600				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
S171	6/20/00	6/20/00	0		48.73
		6/21/00	1	66.70	57.37
		6/22/00	2	67.23	61.47
		6/23/00	3	67.67	63.87
		6/24/00	4	68.10	62.67
		6/25/00	5	64.80	64.57
		6/26/00	6	69.30	65.70
		6/27/00	7	69.13	66.07
		6/28/00	8	69.87	64.60
		6/29/00	9	69.67	64.40
		6/30/00	10	70.20	61.93

All average temperatures are in degrees centigrade

Friday, June 28, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S171	6/20/00	6/20/00	0		4.20
		6/21/00	1	10.83	7.93
		6/22/00	2		9.40
		6/23/00	3	11.90	7.47
		6/24/00	4	18.27	11.83
		6/25/00	5	11.87	14.73
		6/26/00	6	13.47	7.50
		6/27/00	7	11.57	12.03
		6/28/00	8	10.80	6.50
		6/29/00	9	5.80	5.53
		6/30/00	10	8.37	10.87

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S171	6/20/00	6/20/00	0		68.56
		6/21/00	1		
		6/22/00	2		
		6/23/00	3		62.84
		6/24/00	4		
		6/25/00	5		
		6/26/00	6		64.82
		6/27/00	7		
		6/28/00	8		55.36
		6/29/00	9		
		6/30/00	10		

All average MWHC values are expressed in percent

Windrow Number: S171 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	06/20/00	06/30/00	10	03	1	LT	500	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*469*
135TNB	06/20/00	06/30/00	10	05	1	LT	435	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*455*
135TNB	06/20/00	06/30/00	10	07	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*461*
135TNB	06/20/00	06/30/00	10	09	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*454*
135TNB	06/20/00	06/30/00	10	11	1	LT	500	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*469*

Average Concentration for Windrow on Day 10 : ***462***

Standard Deviation: ***18***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: S171 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	06/20/00	06/30/00	10	03	1	LT	500	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*469*
13DNB	06/20/00	06/30/00	10	05	1	LT	435	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*455*
13DNB	06/20/00	06/30/00	10	07	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*461*
13DNB	06/20/00	06/30/00	10	09	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*454*
13DNB	06/20/00	06/30/00	10	11	1	LT	500	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*469*

Average Concentration for Windrow on Day 10 : 462

Standard Deviation: 18

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: S171 **2,4,6-TRINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	06/20/00	06/30/00	10	03	1	LT	500	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*469*
246TNT	06/20/00	06/30/00	10	05	1	LT	435	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*455*
246TNT	06/20/00	06/30/00	10	07	1	LT	454	
					2	LT	454	
					3		6580	
				Average Concentration for Cross Section 07 :				*2496*
246TNT	06/20/00	06/30/00	10	09	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*454*
246TNT	06/20/00	06/30/00	10	11	1	LT	500	
					2		524	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*493*

Average Concentration for Windrow on Day 10 : ***873***

Standard Deviation: ***1579***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S171 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
24DNT	06/20/00	06/30/00	10	03	1	LT	500	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*469*
24DNT	06/20/00	06/30/00	10	05	1	LT	435	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*455*
24DNT	06/20/00	06/30/00	10	07	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*461*
24DNT	06/20/00	06/30/00	10	09	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*454*
24DNT	06/20/00	06/30/00	10	11	1	LT	500	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*469*

Average Concentration for Windrow on Day 10 : 462

Standard Deviation: 18

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S171 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
26DNT	06/20/00	06/30/00	10	03	1	LT	500	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*469*
26DNT	06/20/00	06/30/00	10	05	1	LT	435	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*455*
26DNT	06/20/00	06/30/00	10	07	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*461*
26DNT	06/20/00	06/30/00	10	09	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*454*
26DNT	06/20/00	06/30/00	10	11	1	LT	500	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*469*

Average Concentration for Windrow on Day 10 : 462

Standard Deviation: 18

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: S171 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	06/20/00	06/30/00	10	03	1	LT 500	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 03 :			*469*
2A46DT	06/20/00	06/30/00	10	05	1	LT 435	
					2	LT 454	
					3	LT 476	
				Average Concentration for Cross Section 05 :			*455*
2A46DT	06/20/00	06/30/00	10	07	1	LT 454	
					2	LT 454	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*461*
2A46DT	06/20/00	06/30/00	10	09	1	LT 454	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 09 :			*454*
2A46DT	06/20/00	06/30/00	10	11	1	LT 500	
					2	199 J	
					3	LT 454	
				Average Concentration for Cross Section 11 :			*384*

Average Concentration for Windrow on Day 10 : 445

Standard Deviation: 70

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: S171 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
2NT	06/20/00	06/30/00	10	03	1	LT	500	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*469*
2NT	06/20/00	06/30/00	10	05	1	LT	435	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*455*
2NT	06/20/00	06/30/00	10	07	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*461*
2NT	06/20/00	06/30/00	10	09	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*454*
2NT	06/20/00	06/30/00	10	11	1	LT	500	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*469*

Average Concentration for Windrow on Day 10 : 462

Standard Deviation: 18

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: S171 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
3NT	06/20/00	06/30/00	10	03	1	LT 500	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 03 :			*469*
3NT	06/20/00	06/30/00	10	05	1	LT 435	
					2	LT 454	
					3	LT 476	
				Average Concentration for Cross Section 05 :			*455*
3NT	06/20/00	06/30/00	10	07	1	LT 454	
					2	LT 454	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*461*
3NT	06/20/00	06/30/00	10	09	1	LT 454	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 09 :			*454*
3NT	06/20/00	06/30/00	10	11	1	LT 500	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 11 :			*469*

Average Concentration for Windrow on Day 10 : 462

Standard Deviation: 18

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: S171 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	06/20/00	06/30/00	10	03	1	LT	500	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*469*
4A26DT	06/20/00	06/30/00	10	05	1	LT	435	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*455*
4A26DT	06/20/00	06/30/00	10	07	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*461*
4A26DT	06/20/00	06/30/00	10	09	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*454*
4A26DT	06/20/00	06/30/00	10	11	1	LT	500	
					2		308 J	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*421*

Average Concentration for Windrow on Day 10 : 452

Standard Deviation: 44

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: S171 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
4NT	06/20/00	06/30/00	10	03	1	LT	500	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*469*
4NT	06/20/00	06/30/00	10	05	1	LT	435	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*455*
4NT	06/20/00	06/30/00	10	07	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*461*
4NT	06/20/00	06/30/00	10	09	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*454*
4NT	06/20/00	06/30/00	10	11	1	LT	500	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*469*

Average Concentration for Windrow on Day 10 : ***462***

Standard Deviation: ***18***

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: S171 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
HMX	06/20/00	06/30/00	10	03	1	LT	500	
					2		652	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*535*
HMX	06/20/00	06/30/00	10	05	1	LT	435	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*455*
HMX	06/20/00	06/30/00	10	07	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*461*
HMX	06/20/00	06/30/00	10	09	1	LT	454	
					2		654	
					3		156 J	
				Average Concentration for Cross Section 09 :				*421*
HMX	06/20/00	06/30/00	10	11	1	LT	500	
					2		211 J	
					3		209 J	
				Average Concentration for Cross Section 11 :				*307*

Average Concentration for Windrow on Day 10 : ***436***

Standard Deviation: ***143***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: S171 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
NB	06/20/00	06/30/00	10	03	1	LT	500	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*469*
NB	06/20/00	06/30/00	10	05	1	LT	435	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*455*
NB	06/20/00	06/30/00	10	07	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*461*
NB	06/20/00	06/30/00	10	09	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*454*
NB	06/20/00	06/30/00	10	11	1	LT	500	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*469*

Average Concentration for Windrow on Day 10 : 462

Standard Deviation: 18

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: S171 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
RDX	06/20/00	06/30/00	10	03	1		865	
					2		5620	
					3		836	
				Average Concentration for Cross Section 03 :				*2440*
RDX	06/20/00	06/30/00	10	05	1		1280	
					2	LT	454	
					3		344 J	
				Average Concentration for Cross Section 05 :				*693*
RDX	06/20/00	06/30/00	10	07	1	LT	454	
					2		1050	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*660*
RDX	06/20/00	06/30/00	10	09	1		644	
					2		1370	
					3		824	
				Average Concentration for Cross Section 09 :				*946*
RDX	06/20/00	06/30/00	10	11	1		634	
					2		1640	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*909*

Average Concentration for Windrow on Day 10 : 1130

Standard Deviation: 1300

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: S171 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
TETRYL	06/20/00	06/30/00	10	03	1	LT 500	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 03 :			*469*
TETRYL	06/20/00	06/30/00	10	05	1	LT 435	
					2	LT 454	
					3	LT 476	
				Average Concentration for Cross Section 05 :			*455*
TETRYL	06/20/00	06/30/00	10	07	1	LT 454	
					2	LT 454	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*461*
TETRYL	06/20/00	06/30/00	10	09	1	LT 454	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 09 :			*454*
TETRYL	06/20/00	06/30/00	10	11	1	LT 500	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 11 :			*469*

Average Concentration for Windrow on Day 10 : 462

Standard Deviation: 18

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-172 Day 0: 06-23-00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3	5700	12.1	2450	5.275	11605	20.375	19755
2	3.1	5750	12.1	2470	5.275	11605	20.475	19825
3	3.1	5770	12.15	2510	5.275	11605	20.525	19885
4	3.15	5820	12.15	2540	5.275	11605	20.575	19965
5	3.1	5730	12	2400	5.275	11605	20.375	19735
6	3.1	5780	12.15	2500	5.275	11605	20.525	19885
7	3	5700	12.1	2460	5.275	11605	20.375	19765
8	3.1	5740	12.1	2490	5.275	11605	20.475	19835
9	3.1	5790	12.1	2430	5.275	11605	20.475	19825
10	3.15	5820	12.15	2570	5.275	11605	20.575	19995
11	3.15	5850	12.15	2560	5.275	11605	20.575	20015
12	3.15	5740	12.1	2490	5.275	11605	20.525	19835
13	3.1	5740	12.15	2530	5.275	11605	20.525	19875
14	3.1	5770	12.1	2470	5.275	11605	20.475	19845
15	3.1	5740	12.15	2510	5.275	11605	20.525	19855
16	3	5700	12.1	2470	5.275	11605	20.375	19775
17	3.1	5720	12.1	2480	5.275	11605	20.475	19805
18	3.1	5780	12.15	2550	5.275	11605	20.525	19935
19	3.1	5760	12.1	2440	5.275	11605	20.475	19805
20	3.1	5790	12.15	2540	5.275	11605	20.525	19935
21	3.1	5730	12.1	2430	5.275	11605	20.475	19765
22	3.1	5750	12.15	2580	5.275	11605	20.525	19935
23	3	5700	12.1	2490	5.275	11605	20.375	19795
24	3.1	5770	12.15	2510	5.275	11605	20.525	19885
25	3.1	5710	12.1	2470	5.275	11605	20.475	19785
26	3.1	5760	12	2400	5.275	11605	20.375	19765
27	3	5700	12.1	2460	5.275	11605	20.375	19825
28	3.15	5820	12.15	2530	5.275	11605	20.575	19835
29	3.1	5750	12.1	2460	5.275	11605	20.475	19885
30	3.1	5720	12.1	2410	5.275	11605	20.475	19765
31	3.1	5740	12	2400	5.275	11605	20.375	19725
32	3	5700	12.1	2500	5.275	11605	20.375	19845
33	3	5700	12	2400	5.275	11605	20.275	19705
34	3.5	5900	12	2400	5.275	11605	20.775	19905
35	3.1	5800	12	2400	5.275	11605	20.375	19805
36	3.1	5800	12.75	2700	5.275	11605	21.125	20105
37	3	5700	12	2400	5.275	11605	20.275	19705
38	3	5700	12.5	3000	5.275	11605	20.775	20305
39	3	5750	12	2660	5.275	11605	20.275	20015
40	3	5700	12	2600	5.275	11605	20.275	19905
41					0	0	0	0
42					0	0	0	0
43						0	0	0
Total	123.55	230090	484.75	100060	211.00	464200	819.3	794410

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 172 PERFORMED BY: Howard

DATE: 6 12/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: ✓		STRAW Supplier:		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5700	12.10	2450				
2	3.10	5750	12.10	2470				
3	3.10	5770	12.15	2510				
4	3.15	5820	12.15	2540				
5	3.10	5730	12	2400				
6	3.10	5780	12.15	2500				
7	3	5700	12.10	2460				
8	3.10	5740	12.10	2490				
9	3.10	5790	12.10	2430				
10	3.15	5820	12.15	2570				
11	3.15	5850	12.15	2560				
12	3.10	5740	12.10	2490				
13	3.10	5740	12.15	2530				
14	3.10	5770	12.10	2470				
15	3.10	5740	12.15	2510				
16	3	5700	12.10	2470				
17	3.10	5720	12.10	2480				
18	3.10	5700	12.15	2530				
19	3.10	5760	12.10	2490				
al								

mments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 172 PERFORMED BY: [illegible]

DATE: 6/22/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5790	12.15	2540				
21	3.10	5730	12.10	2430				
22	3.10	5750	12.15	2580				
23	3	5700	12.10	2490				
24	3.10	5770	12.15	2510				
25	3.10	5710	12.10	2470				
26	3.10	5760	12	2400				
27	3	5700	12.10	2460				
28	3.15	5820	12.15	2530				
29	3.10	5750	12.10	2460				
30	3.10	5720	12.10	2410				
31	3.10	5740	12	2400				
al								

mments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 211 Windrow # 211172 PERFORMED BY: _____

DATE: 6 22 00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5700	12.10	2500				
2	3	5700	12	2400				
3	3.50	5900	12	2400				
4	3.10	5800	12	2400				
5	3.10	5800	12.75	2700				
6	3	5700	12.0	2400				
7	3	5700	12.50	3000				
8	3	5750	12.	2640				
9	3	5700	12	2600				
10								
11								
12								
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
M172	6/23/00	6/23/00	0		45.37
		6/24/00	1	61.87	51.10
		6/25/00	2	65.10	59.03
		6/26/00	3	69.73	65.73
		6/27/00	4	68.53	64.03
		6/28/00	5	67.27	64.40
		6/29/00	6	65.33	63.50
		6/30/00	7	68.17	63.87
		7/1/00	8	63.30	62.53
		7/2/00	9	66.97	62.27
		7/3/00	10	67.17	60.87

All average temperatures are in degrees centigrade

Friday, June 28, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M172	6/23/00	6/23/00	0		10.90
		6/24/00	1	12.93	11.83
		6/25/00	2	9.53	13.43
		6/26/00	3	9.87	7.97
		6/27/00	4	11.07	10.97
		6/28/00	5	13.77	7.23
		6/29/00	6	10.33	8.03
		6/30/00	7	9.03	12.00
		7/1/00	8	11.33	10.07
		7/2/00	9	11.83	10.33
		7/3/00	10	11.00	9.37

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M172	6/23/00	6/23/00	0		70.48
		6/24/00	1		
		6/25/00	2		
		6/26/00	3		54.42
		6/27/00	4		
		6/28/00	5		56.80
		6/29/00	6		
		6/30/00	7		48.22
		7/1/00	8		
		7/2/00	9		
		7/3/00	10		

All average MWHC values are expressed in percent

Windrow Number: M172 *1,3,5-TRINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
135TNB	06/23/00	07/05/00	12	03	1	LT	454	
					2	LT	435	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*455*
135TNB	06/23/00	07/05/00	12	05	1	LT	435	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*455*
135TNB	06/23/00	07/05/00	12	07	1	LT	454	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*477*
135TNB	06/23/00	07/05/00	12	09	1	LT	435	
					2	LT	500	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*463*
135TNB	06/23/00	07/05/00	12	11	1	LT	435	
					2	LT	435	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*457*

Average Concentration for Windrow on Day 12 : 461

Standard Deviation: 25

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M172 *1,3-DINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
13DNB	06/23/00	07/05/00	12	03	1	LT	454	
					2	LT	435	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*455*
13DNB	06/23/00	07/05/00	12	05	1	LT	435	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*455*
13DNB	06/23/00	07/05/00	12	07	1	LT	454	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*477*
13DNB	06/23/00	07/05/00	12	09	1	LT	435	
					2	LT	500	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*463*
13DNB	06/23/00	07/05/00	12	11	1	LT	435	
					2	LT	435	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*457*

Average Concentration for Windrow on Day 12 : ***461***

Standard Deviation: *25*

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M172 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	06/23/00	07/05/00	12	03	1	LT	454	
					2	LT	435	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*455*
246TNT	06/23/00	07/05/00	12	05	1	LT	435	
					2	LT	476	
					3		151 J	
				Average Concentration for Cross Section 05 :				*354*
246TNT	06/23/00	07/05/00	12	07	1	LT	454	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*477*
246TNT	06/23/00	07/05/00	12	09	1	LT	435	
					2	LT	500	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*463*
246TNT	06/23/00	07/05/00	12	11	1	LT	435	
					2	LT	435	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*457*

Average Concentration for Windrow on Day 12 : ***441***

Standard Deviation: ***84***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M172 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
24DNT	06/23/00	07/05/00	12	03	1	LT	454	
					2	LT	435	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*455*
24DNT	06/23/00	07/05/00	12	05	1	LT	435	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*455*
24DNT	06/23/00	07/05/00	12	07	1	LT	454	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*477*
24DNT	06/23/00	07/05/00	12	09	1	LT	435	
					2	LT	500	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*463*
24DNT	06/23/00	07/05/00	12	11	1	LT	435	
					2	LT	435	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*457*

Average Concentration for Windrow on Day 12 : 461

Standard Deviation: 25

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M172 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
26DNT	06/23/00	07/05/00	12	03	1	LT	454	
					2	LT	435	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*455*
26DNT	06/23/00	07/05/00	12	05	1	LT	435	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*455*
26DNT	06/23/00	07/05/00	12	07	1	LT	454	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*477*
26DNT	06/23/00	07/05/00	12	09	1	LT	435	
					2	LT	500	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*463*
26DNT	06/23/00	07/05/00	12	11	1	LT	435	
					2	LT	435	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*457*

Average Concentration for Windrow on Day 12 : 461

Standard Deviation: 25

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M172 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
2A46DT	06/23/00	07/05/00	12	03	1	LT	454	
					2	LT	435	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*455*
2A46DT	06/23/00	07/05/00	12	05	1	LT	435	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*455*
2A46DT	06/23/00	07/05/00	12	07	1	LT	454	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*477*
2A46DT	06/23/00	07/05/00	12	09	1	LT	435	
					2	LT	500	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*463*
2A46DT	06/23/00	07/05/00	12	11	1	LT	435	
					2	LT	435	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*457*

Average Concentration for Windrow on Day 12 : 461

Standard Deviation: 25

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M172 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	06/23/00	07/05/00	12	03	1	LT 454	
					2	LT 435	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*455*
2NT	06/23/00	07/05/00	12	05	1	LT 435	
					2	LT 476	
					3	LT 454	
				Average Concentration for Cross Section 05 :			*455*
2NT	06/23/00	07/05/00	12	07	1	LT 454	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*477*
2NT	06/23/00	07/05/00	12	09	1	LT 435	
					2	LT 500	
					3	LT 454	
				Average Concentration for Cross Section 09 :			*463*
2NT	06/23/00	07/05/00	12	11	1	LT 435	
					2	LT 435	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*457*

Average Concentration for Windrow on Day 12 : ***461***

Standard Deviation: ***25***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: M172 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
3NT	06/23/00	07/05/00	12	03	1	LT 454	
					2	LT 435	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*455*
3NT	06/23/00	07/05/00	12	05	1	LT 435	
					2	LT 476	
					3	LT 454	
				Average Concentration for Cross Section 05 :			*455*
3NT	06/23/00	07/05/00	12	07	1	LT 454	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*477*
3NT	06/23/00	07/05/00	12	09	1	LT 435	
					2	LT 500	
					3	LT 454	
				Average Concentration for Cross Section 09 :			*463*
3NT	06/23/00	07/05/00	12	11	1	LT 435	
					2	LT 435	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*457*

Average Concentration for Windrow on Day 12 : 461

Standard Deviation: 25

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: M172 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	06/23/00	07/05/00	12	03	1	LT	454
					2	LT	435
					3	LT	476
				Average Concentration for Cross Section 03 :			*455*
4A26DT	06/23/00	07/05/00	12	05	1	LT	435
					2	LT	476
					3	LT	454
				Average Concentration for Cross Section 05 :			*455*
4A26DT	06/23/00	07/05/00	12	07	1	LT	454
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 07 :			*477*
4A26DT	06/23/00	07/05/00	12	09	1	LT	435
					2	LT	500
					3	LT	454
				Average Concentration for Cross Section 09 :			*463*
4A26DT	06/23/00	07/05/00	12	11	1	LT	435
					2	LT	435
					3	LT	500
				Average Concentration for Cross Section 11 :			*457*

Average Concentration for Windrow on Day 12 : ***461***

Standard Deviation: *25*

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M172 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
4NT	06/23/00	07/05/00	12	03	1	LT	454	
					2	LT	435	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*455*
4NT	06/23/00	07/05/00	12	05	1	LT	435	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*455*
4NT	06/23/00	07/05/00	12	07	1	LT	454	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*477*
4NT	06/23/00	07/05/00	12	09	1	LT	435	
					2	LT	500	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*463*
4NT	06/23/00	07/05/00	12	11	1	LT	435	
					2	LT	435	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*457*

Average Concentration for Windrow on Day 12 : ***461***

Standard Deviation: ***25***

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M172 *HMX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
HMX	06/23/00	07/05/00	12	03	1	LT	454
					2	LT	435
					3		172 J
				Average Concentration for Cross Section 03 :			*354*
HMX	06/23/00	07/05/00	12	05	1	LT	435
					2		358 J
					3		461
				Average Concentration for Cross Section 05 :			*418*
HMX	06/23/00	07/05/00	12	07	1	LT	454
					2		211 J
					3		91.4 J
				Average Concentration for Cross Section 07 :			*252*
HMX	06/23/00	07/05/00	12	09	1	LT	435
					2	LT	500
					3	LT	454
				Average Concentration for Cross Section 09 :			*463*
HMX	06/23/00	07/05/00	12	11	1	LT	435
					2		323 J
					3		760
				Average Concentration for Cross Section 11 :			*506*

Average Concentration for Windrow on Day 12 : ***399***

Standard Deviation: ***158***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M172 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
NB	06/23/00	07/05/00	12	03	1	LT	454	
					2	LT	435	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*455*
NB	06/23/00	07/05/00	12	05	1	LT	435	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*455*
NB	06/23/00	07/05/00	12	07	1	LT	454	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*477*
NB	06/23/00	07/05/00	12	09	1	LT	435	
					2	LT	500	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*463*
NB	06/23/00	07/05/00	12	11	1	LT	435	
					2	LT	435	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*457*

Average Concentration for Windrow on Day 12 : 461

Standard Deviation: 25

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M172 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
RDX	06/23/00	07/05/00	12	03	1	LT	454	
					2	LT	435	
					3		1040	
				Average Concentration for Cross Section 03 :				*643*
RDX	06/23/00	07/05/00	12	05	1		1870	
					2		1700	
					3		237 J	
				Average Concentration for Cross Section 05 :				*1269*
RDX	06/23/00	07/05/00	12	07	1	LT	454	
					2	LT	500	
					3		88.9 J	
				Average Concentration for Cross Section 07 :				*348*
RDX	06/23/00	07/05/00	12	09	1	LT	435	
					2	LT	500	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*463*
RDX	06/23/00	07/05/00	12	11	1	LT	435	
					2		1580	
					3		516	
				Average Concentration for Cross Section 11 :				*844*

Average Concentration for Windrow on Day 12 : *713*

Standard Deviation: *557*

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M172 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	06/23/00	07/05/00	12	03	1	LT	454
					2	LT	435
					3	LT	476
				Average Concentration for Cross Section 03 :			*455*
TETRYL	06/23/00	07/05/00	12	05	1	LT	435
					2	LT	476
					3	LT	454
				Average Concentration for Cross Section 05 :			*455*
TETRYL	06/23/00	07/05/00	12	07	1	LT	454
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 07 :			*477*
TETRYL	06/23/00	07/05/00	12	09	1	LT	435
					2	LT	500
					3	LT	454
				Average Concentration for Cross Section 09 :			*463*
TETRYL	06/23/00	07/05/00	12	11	1	LT	435
					2	LT	435
					3	LT	500
				Average Concentration for Cross Section 11 :			*457*

Average Concentration for Windrow on Day 12 : 461

Standard Deviation: 25

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-173 Day 0: 6/30/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.15	5700	12.2	2660	5.275	11605	20.625	19965
2	3.1	5790	12.1	2470	5.275	11605	20.475	19865
3	3.1	5750	12.15	2510	5.275	11605	20.525	19865
4	3.15	5820	12.1	2490	5.275	11605	20.525	19915
5	3	5700	12.1	2450	5.275	11605	20.375	19755
6	3.1	5740	12	2400	5.275	11605	20.375	19745
7	3.15	5830	12.1	2470	5.275	11605	20.525	19905
8	3.1	5770	12.1	2440	5.275	11605	20.475	19815
9	3	5700	12.1	2490	5.275	11605	20.375	19795
10	3.15	5860	12.1	2450	5.275	11605	20.525	19915
11	3.1	5760	12	2400	5.275	11605	20.375	19765
12	3.15	5850	12.1	2420	5.275	11605	20.525	19875
13	3	5700	12.1	2430	5.275	11605	20.375	19735
14	3.1	5770	12.15	2510	5.275	11605	20.525	19885
15	3.1	5720	12.1	2460	5.275	11605	20.475	19785
16	3.15	5830	12	2400	5.275	11605	20.425	19835
17	3.1	5720	12.1	2480	5.275	11605	20.475	19805
18	3	5700	12.1	2430	5.275	11605	20.375	19735
19	3.1	5790	12	2400	5.275	11605	20.375	19795
20	3.1	5750	12.1	2470	5.275	11605	20.475	19825
21	3	5700	12.1	2450	5.275	11605	20.375	19755
22	3.1	5720	12.15	2500	5.275	11605	20.525	19825
23	3	5700	12	2400	5.275	11605	20.275	19705
24	3.1	5740	12.1	2460	5.275	11605	20.475	19805
25	3.15	5820	12.15	2510	5.275	11605	20.575	19935
26	3.1	5710	12.1	2470	5.275	11605	20.475	19785
27	3.15	5840	12	2400	5.275	11605	20.425	19845
28	3	5700	12.1	2490	5.275	11605	20.375	19795
29	3.1	5720	12.1	2450	5.275	11605	20.475	19775
30	3.15	5870	12	2390	5.275	11605	20.425	19865
31	3.1	5710	12.1	2480	5.275	11605	20.475	19795
32	3.15	5830	12.15	2550	5.275	11605	20.575	19985
33	3.1	5750	12.1	2440	5.275	11605	20.475	19795
34	3	5700	12.1	2470	5.275	11605	20.375	19775
35	3.1	5740	12.15	2580	5.275	11605	20.525	19925
36	3.1	5790	12	2400	5.275	11605	20.375	19795
37	3.15	5850	12.1	2490	5.275	11605	20.525	19945
38	3	5700	12.15	2530	5.275	11605	20.425	19835
39	3.1	5780	12.1	2420	5.275	11605	20.475	19805
40	3.1	5770	12.1	2470	5.275	11605	20.475	19845
41								
42								
43								
Total	123.65	230390	483.65	98580	211.00	464200	818.3	793170

RECORD OF RECIPE (MIX NO. 7B)

Building # [illegible] Windrow # 173 PERFORMED BY: Howard

DATE: 6 129100 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.15	5700	12.20	2660				
2	3.10	5790	12.10	2470				
3	3.10	5750	12.15	2510				
4	3.15	5820	12.10	2490				
5	3	5700	12.10	2450				
6	3.10	5740	12	2400				
7	3.15	5830	12.10	2470				
8	3.10	5770	12.10	2440				
9	3	5700	12.10	2490				
10	3.15	5860	12.10	2450				
11	3.10	5760	12	2400				
12	3.15	5850	12.10	2470				
13	3	5700	12.10	2430				
14	3.10	5770	12.15	2510				
15	3.10	5720	12.10	2460				
16	3.15	5830	12	2400				
17	3.10	5720	12.10	2480				
18	3	5700	12.10	2430				
19	3.10	5790	12	2400				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 17 Windrow # 173 PERFORMED BY: Idowand

DATE: 6/28/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5750	12.10	2470				
21	3	5700	12.10	2450				
22	3.10	5720	12.15	2500				
23	3	5700	12	2400				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 173 PERFORMED BY: Howard

DATE: 6/29/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 2400 Pounds
Straw 12 CY 5700 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5740	12.10	2460				
2	3.15	5820	12.15	2510				
3	3.10	5710	12.10	2470				
4	3.15	5840	12	2400				
5	3	5700	12.10	2490				
6	3.10	5720	12.10	2450				
7	3.15	5870	12	2390				
8	3.10	5710	12.10	2480				
9	3.15	5830	12.15	2550				
10	3.10	5750	12.10	2440				
11	3	5700	12.10	2470				
12	3.10	5740	12.15	2580				
13	3.10	5790	12	2400				
14	3.15	5850	12.10	2490				
15	3	5700	12.15	2530				
16	3.10	5780	12.10	2420				
17	3.10	5770	12.10	2470				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
M173	6/30/00	6/30/00	0		47.97
		7/1/00	1	58.93	54.97
		7/2/00	2	63.70	59.20
		7/3/00	3	65.00	60.53
		7/5/00	5	69.20	64.00
		7/6/00	6	69.47	63.87
		7/7/00	7	67.10	62.37
		7/8/00	8	66.30	61.50
		7/9/00	9	67.73	64.63

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M173	6/30/00	6/30/00	0		8.30
		7/1/00	1	9.33	10.87
		7/2/00	2	11.83	8.33
		7/3/00	3	9.87	9.90
		7/5/00	5	7.87	2.37
		7/6/00	6	6.10	8.23
		7/7/00	7	8.40	5.80
		7/8/00	8	5.73	10.80
		7/9/00	9	11.33	9.57

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M173	6/30/00	6/30/00	0		50.74
		7/1/00	1		43.88
		7/2/00	2		
		7/3/00	3		
		7/5/00	5		51.22
		7/6/00	6		
		7/7/00	7		57.74
		7/8/00	8		
		7/9/00	9		

All average MWHC values are expressed in percent

Windrow Number: M173 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	06/30/00	07/10/00	10	03	1	LT	476	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*461*
135TNB	06/30/00	07/10/00	10	05	1	LT	417	
					2	LT	435	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*435*
135TNB	06/30/00	07/10/00	10	07	1	LT	500	
					2		70.7 J	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*357*
135TNB	06/30/00	07/10/00	10	09	1	LT	454	
					2	LT	435	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*463*
135TNB	06/30/00	07/10/00	10	11	1	LT	500	
					2	LT	476	
					3	LT	417	
				Average Concentration for Cross Section 11 :				*464*

Average Concentration for Windrow on Day 10 : 436

Standard Deviation: 105

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M173 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	06/30/00	07/10/00	10	03	1	LT	476	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*461*
13DNB	06/30/00	07/10/00	10	05	1	LT	417	
					2	LT	435	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*435*
13DNB	06/30/00	07/10/00	10	07	1	LT	500	
					2	LT	435	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*478*
13DNB	06/30/00	07/10/00	10	09	1	LT	454	
					2	LT	435	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*463*
13DNB	06/30/00	07/10/00	10	11	1	LT	500	
					2	LT	476	
					3	LT	417	
				Average Concentration for Cross Section 11 :				*464*

Average Concentration for Windrow on Day 10 : 460

Standard Deviation: 30

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M173 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	06/30/00	07/10/00	10	03	1	LT	476	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*461*
246TNT	06/30/00	07/10/00	10	05	1	LT	417	
					2	LT	435	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*435*
246TNT	06/30/00	07/10/00	10	07	1	LT	500	
					2	LT	435	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*478*
246TNT	06/30/00	07/10/00	10	09	1	LT	454	
					2	LT	435	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*463*
246TNT	06/30/00	07/10/00	10	11	1		179 J	
					2	LT	476	
					3	LT	417	
				Average Concentration for Cross Section 11 :				*357*

Average Concentration for Windrow on Day 10 : ***439***

Standard Deviation: *77*

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M173 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
24DNT	06/30/00	07/10/00	10	03	1	LT	476
					2	LT	454
					3	LT	454
				Average Concentration for Cross Section 03 :			*461*
24DNT	06/30/00	07/10/00	10	05	1	LT	417
					2	LT	435
					3	LT	454
				Average Concentration for Cross Section 05 :			*435*
24DNT	06/30/00	07/10/00	10	07	1	LT	500
					2	LT	435
					3	LT	500
				Average Concentration for Cross Section 07 :			*478*
24DNT	06/30/00	07/10/00	10	09	1	LT	454
					2	LT	435
					3	LT	500
				Average Concentration for Cross Section 09 :			*463*
24DNT	06/30/00	07/10/00	10	11	1	LT	500
					2	LT	476
					3	LT	417
				Average Concentration for Cross Section 11 :			*464*

Average Concentration for Windrow on Day 10 : 460

Standard Deviation: 30

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M173 **2,6-DINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
26DNT	06/30/00	07/10/00	10	03	1	LT	476	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*461*
26DNT	06/30/00	07/10/00	10	05	1	LT	417	
					2	LT	435	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*435*
26DNT	06/30/00	07/10/00	10	07	1	LT	500	
					2	LT	435	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*478*
26DNT	06/30/00	07/10/00	10	09	1	LT	454	
					2	LT	435	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*463*
26DNT	06/30/00	07/10/00	10	11	1	LT	500	
					2	LT	476	
					3	LT	417	
				Average Concentration for Cross Section 11 :				*464*

Average Concentration for Windrow on Day 10 : 460

Standard Deviation: 30

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M173 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	06/30/00	07/10/00	10	03	1	LT	476	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*461*
2A46DT	06/30/00	07/10/00	10	05	1	LT	417	
					2	LT	435	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*435*
2A46DT	06/30/00	07/10/00	10	07	1	LT	500	
					2	LT	435	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*478*
2A46DT	06/30/00	07/10/00	10	09	1	LT	454	
					2	LT	435	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*463*
2A46DT	06/30/00	07/10/00	10	11	1	LT	500	
					2	LT	476	
					3	LT	417	
				Average Concentration for Cross Section 11 :				*464*

Average Concentration for Windrow on Day 10 : 460

Standard Deviation: 30

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M173 **2-NITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	06/30/00	07/10/00	10	03	1	LT	476
					2	LT	454
					3	LT	454
				Average Concentration for Cross Section 03 :			*461*
2NT	06/30/00	07/10/00	10	05	1	LT	417
					2	LT	435
					3	LT	454
				Average Concentration for Cross Section 05 :			*435*
2NT	06/30/00	07/10/00	10	07	1	LT	500
					2	LT	435
					3	LT	500
				Average Concentration for Cross Section 07 :			*478*
2NT	06/30/00	07/10/00	10	09	1	LT	454
					2	LT	435
					3	LT	500
				Average Concentration for Cross Section 09 :			*463*
2NT	06/30/00	07/10/00	10	11	1	LT	500
					2	LT	476
					3	LT	417
				Average Concentration for Cross Section 11 :			*464*

Average Concentration for Windrow on Day 10 : 460

Standard Deviation: 30

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: M173 **3-NITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
3NT	06/30/00	07/10/00	10	03	1	LT	476	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*461*
3NT	06/30/00	07/10/00	10	05	1	LT	417	
					2	LT	435	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*435*
3NT	06/30/00	07/10/00	10	07	1	LT	500	
					2	LT	435	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*478*
3NT	06/30/00	07/10/00	10	09	1	LT	454	
					2	LT	435	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*463*
3NT	06/30/00	07/10/00	10	11	1	LT	500	
					2	LT	476	
					3	LT	417	
				Average Concentration for Cross Section 11 :				*464*

Average Concentration for Windrow on Day 10 : 460

Standard Deviation: 30

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: M173 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4A26DT	06/30/00	07/10/00	10	03	1	LT 476	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 03 :			*461*
4A26DT	06/30/00	07/10/00	10	05	1	LT 417	
					2	LT 435	
					3	LT 454	
				Average Concentration for Cross Section 05 :			*435*
4A26DT	06/30/00	07/10/00	10	07	1	LT 500	
					2	LT 435	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*478*
4A26DT	06/30/00	07/10/00	10	09	1	LT 454	
					2	LT 435	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*463*
4A26DT	06/30/00	07/10/00	10	11	1	LT 500	
					2	LT 476	
					3	LT 417	
				Average Concentration for Cross Section 11 :			*464*

Average Concentration for Windrow on Day 10 : ***460***

Standard Deviation: ***30***

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M173 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4NT	06/30/00	07/10/00	10	03	1	LT	476	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*461*
4NT	06/30/00	07/10/00	10	05	1	LT	417	
					2	LT	435	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*435*
4NT	06/30/00	07/10/00	10	07	1	LT	500	
					2	LT	435	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*478*
4NT	06/30/00	07/10/00	10	09	1	LT	454	
					2	LT	435	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*463*
4NT	06/30/00	07/10/00	10	11	1	LT	500	
					2	LT	476	
					3	LT	417	
				Average Concentration for Cross Section 11 :				*464*

Average Concentration for Windrow on Day 10 : 460

Standard Deviation: 30

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M173 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
HMX	06/30/00	07/10/00	10	03	1	LT	476	
					2		299 J	
					3		425 J	
				Average Concentration for Cross Section 03 :				*400*
HMX	06/30/00	07/10/00	10	05	1		62 J	
					2		695	
					3		332 J	
				Average Concentration for Cross Section 05 :				*363*
HMX	06/30/00	07/10/00	10	07	1		101 J	
					2		476	
					3		188 J	
				Average Concentration for Cross Section 07 :				*255*
HMX	06/30/00	07/10/00	10	09	1	LT	454	
					2	LT	435	
					3		424 J	
				Average Concentration for Cross Section 09 :				*438*
HMX	06/30/00	07/10/00	10	11	1		139 J	
					2		583	
					3		578	
				Average Concentration for Cross Section 11 :				*433*

Average Concentration for Windrow on Day 10 : ***378***

Standard Deviation: ***188***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M173 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
NB	06/30/00	07/10/00	10	03	1	LT	476	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*461*
NB	06/30/00	07/10/00	10	05	1	LT	417	
					2	LT	435	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*435*
NB	06/30/00	07/10/00	10	07	1	LT	500	
					2	LT	435	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*478*
NB	06/30/00	07/10/00	10	09	1	LT	454	
					2	LT	435	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*463*
NB	06/30/00	07/10/00	10	11	1	LT	500	
					2	LT	476	
					3	LT	417	
				Average Concentration for Cross Section 11 :				*464*

Average Concentration for Windrow on Day 10 : 460

Standard Deviation: 30

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M173 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
RDX	06/30/00	07/10/00	10	03	1	LT	476	
					2		98.3 J	
					3		745	
				Average Concentration for Cross Section 03 :				*440*
RDX	06/30/00	07/10/00	10	05	1	LT	417	
					2		200 J	
					3		191 J	
				Average Concentration for Cross Section 05 :				*269*
RDX	06/30/00	07/10/00	10	07	1	LT	500	
					2		88.2 J	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*363*
RDX	06/30/00	07/10/00	10	09	1		700	
					2	LT	435	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*545*
RDX	06/30/00	07/10/00	10	11	1	LT	500	
					2		1160	
					3		478	
				Average Concentration for Cross Section 11 :				*713*

Average Concentration for Windrow on Day 10 : ***466***

Standard Deviation: *273*

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M173 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
TETRYL	06/30/00	07/10/00	10	03	1	LT	476	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*461*
TETRYL	06/30/00	07/10/00	10	05	1	LT	417	
					2	LT	435	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*435*
TETRYL	06/30/00	07/10/00	10	07	1	LT	500	
					2	LT	435	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*478*
TETRYL	06/30/00	07/10/00	10	09	1	LT	454	
					2	LT	435	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*463*
TETRYL	06/30/00	07/10/00	10	11	1	LT	500	
					2	LT	476	
					3	LT	417	
				Average Concentration for Cross Section 11 :				*464*

Average Concentration for Windrow on Day 10 : 460

Standard Deviation: 30

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-174 Day 0: 07/7/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5740	12.15	2570	5.275	11605	20.525	19915
2	3	5710	12.15	2510	5.275	11605	20.425	19825
3	3	5700	12.1	2450	5.275	11605	20.375	19755
4	3.15	5810	12.15	2590	5.275	11605	20.575	20005
5	3.1	5740	12.1	2430	5.275	11605	20.475	19775
6	3	5700	12.1	2460	5.275	11605	20.375	19765
7	3.15	5800	12.1	2470	5.275	11605	20.525	19875
8	3.1	5740	12.1	2430	5.275	11605	20.475	19775
9	3.15	5870	12	2400	5.275	11605	20.425	19875
10	3.15	5830	12.1	2400	5.275	11605	20.525	19835
11	3.1	5750	12	2400	5.275	11605	20.375	19755
12	3.1	5760	12.1	2470	5.275	11605	20.475	19835
13	3	5700	12.15	2590	5.275	11605	20.425	19895
14	3.1	5740	12	2400	5.275	11605	20.375	19745
15	3	5700	12.15	2520	5.275	11605	20.425	19825
16	3.1	5750	12.1	2490	5.275	11605	20.475	19845
17	3	5700	12.1	2460	5.275	11605	20.375	19765
18	3.1	5780	12.1	2510	5.275	11605	20.475	19895
19	3.1	5770	12.15	2550	5.275	11605	20.525	19925
20	3.15	5830	12.25	2640	5.275	11605	20.675	20075
21	3.2	5990	12.25	2700	5.275	11605	20.725	20295
22	3.2	5930	12.25	2730	5.275	11605	20.725	20265
23	3	5720	12	2450	5.275	11605	20.275	19775
24	3.1	5780	12.25	2500	5.275	11605	20.625	19885
25	3.25	5880	12.25	2480	5.275	11605	20.775	19965
26	3	5700	12	2450	5.275	11605	20.275	19755
27	3	5730	12	2410	5.275	11605	20.275	19745
28	3.1	5800	12.25	2500	5.275	11605	20.625	19905
29	3	5740	12.25	2480	5.275	11605	20.525	19825
30	3.25	5900	12.5	2600	5.275	11605	21.025	20105
31	3.1	5800	12	2400	5.275	11605	20.375	19805
32	3.1	5800	12	2400	5.275	11605	20.375	19805
33	3.25	5900	12.5	2600	5.275	11605	21.025	20105
34	3.25	5900	13	2800	5.275	11605	21.525	20305
35	3.1	5800	12.5	2600	5.275	11605	20.875	20005
36	3.25	5900	13	2800	5.275	11605	21.525	20305
37	3.5	6000	13.25	2900	5.275	11605	22.025	20505
38	3.5	6000	13.5	3000	5.275	11605	22.275	20605
39	3.1	5800	13	2800	5.275	11605	21.375	20205
40	3.25	5900	13	2740	5.275	11605	21.525	20245
41								
Total	125.15	232090	491.9	102080	211.00	464200	828.05	798370

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 174

PERFORMED BY: Howard

DATE: 7-00

INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier:		STRAW Supplier:		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5740	12.15	2570				
2	3	5710	12.15	2510				
3	3	5700	12.10	2450				
4	3.15	5810	12.15	2590				
5	3.10	5740	12.10	2430				
6	3	5700	12.10	2460				
7	3.15	5800	12.10	2470				
8	3.10	5740	12.10	2430				
9	3.15	5870	12	2400				
10	3.15	5830	12.1	2460				
11	3.10	5750	12	2400				
12	3.10	5760	12.10	2470				
13	3	5700	12.15	2590				
14	3.10	5740	12	2400				
15	3	5700	12.15	2520				
16	3.10	5750	12.10	2490				
17	3	5700	12.10	2460				
18	3.10	5780	12.10	2510				
19	3.10	5710	12.15	2550				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # S Windrow # 5174 PERFORMED BY: Rick

DATE: 7/6/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5720	12	2450				
2	3.10	5780	12.25	2500				
3	3.25	5830	12.25	2480				
4	3	5700	12	2450				
5	3	5750	12	2410				
6	3.10	5800	12.25	2500				
7	3	5740	12.25	2480				
8	3.25	5900	12.50	2600				
9	3.10	5800	12	2400				
10	3.10	5800	12	24				
11	3.25	5900	12.50	2600				
12	3.25	5900	13	2800				
13	3.10	5800	12.50	2600				
14	3.25	5900	13	2900				
15	3.50	6000	13.25	2900				
16	3.50	6000	13.50	3000				
17	3.10	5800	13	2800				
18	3.25	5900	13	2740				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 174 PERFORMED BY: [illegible]

DATE: 7 16 100 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.15	5830	12.25	2640				
21	3.20	5970	12.25	2700				
22	3.20	5930	12.25	2730				
[redacted]		[redacted]		[redacted]				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
S174	7/7/00	7/7/00	0		55.57
		7/8/00	1	63.13	63.27
		7/9/00	2	65.40	60.03
		7/10/00	3	67.70	62.30
		7/11/00	4	69.40	65.53
		7/12/00	5	65.03	65.27
		7/13/00	6	67.07	65.00
		7/14/00	7	67.67	65.67
		7/15/00	8	68.17	64.93
		7/16/00	9	68.43	66.23

All average temperatures are in degrees centigrade

Friday, June 28, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S174	7/7/00	7/7/00	0		8.70
		7/8/00	1	12.53	12.17
		7/9/00	2	10.53	10.10
		7/10/00	3	8.83	4.23
		7/11/00	4	10.17	6.33
		7/12/00	5	13.93	9.73
		7/13/00	6	14.07	12.40
		7/14/00	7	13.60	8.60
		7/15/00	8	7.93	12.27
		7/16/00	9	11.37	13.00

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S174	7/7/00	7/7/00	0		65.46
		7/8/00	1		
		7/9/00	2		
		7/10/00	3		
		7/11/00	4		
		7/12/00	5		57.98
		7/13/00	6		
		7/14/00	7		
		7/15/00	8		
		7/16/00	9		

All average MWHC values are expressed in percent

Windrow Number: S174 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	07/07/00	07/17/00	10	03	1	LT 476	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*484*
135TNB	07/07/00	07/17/00	10	05	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*500*
135TNB	07/07/00	07/17/00	10	07	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*500*
135TNB	07/07/00	07/17/00	10	09	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*492*
135TNB	07/07/00	07/17/00	10	11	1	LT 476	
					2	LT 454	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 10 : ***491***

Standard Deviation: ***15***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: S174 *1,3-DINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
13DNB	07/07/00	07/17/00	10	03	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*484*
13DNB	07/07/00	07/17/00	10	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
13DNB	07/07/00	07/17/00	10	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
13DNB	07/07/00	07/17/00	10	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
13DNB	07/07/00	07/17/00	10	11	1	LT	476	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*477*

Average Concentration for Windrow on Day 10 : ***491***

Standard Deviation: ***15***

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: S174 *2,4,6-TRINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
246TNT	07/07/00	07/17/00	10	03	1		655	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*544*
246TNT	07/07/00	07/17/00	10	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
246TNT	07/07/00	07/17/00	10	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
246TNT	07/07/00	07/17/00	10	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
246TNT	07/07/00	07/17/00	10	11	1	LT	476	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*477*

Average Concentration for Windrow on Day 10 : 502

Standard Deviation: 45

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S174 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	07/07/00	07/17/00	10	03	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*484*
24DNT	07/07/00	07/17/00	10	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
24DNT	07/07/00	07/17/00	10	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
24DNT	07/07/00	07/17/00	10	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
24DNT	07/07/00	07/17/00	10	11	1	LT	476	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*477*

Average Concentration for Windrow on Day 10 : 491

Standard Deviation: 15

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S174 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
26DNT	07/07/00	07/17/00	10	03	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*484*
26DNT	07/07/00	07/17/00	10	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
26DNT	07/07/00	07/17/00	10	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
26DNT	07/07/00	07/17/00	10	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
26DNT	07/07/00	07/17/00	10	11	1	LT	476	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*477*

Average Concentration for Windrow on Day 10 : ***491***

Standard Deviation: ***15***

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: S174 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	07/07/00	07/17/00	10	03	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*484*
2A46DT	07/07/00	07/17/00	10	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
2A46DT	07/07/00	07/17/00	10	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
2A46DT	07/07/00	07/17/00	10	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
2A46DT	07/07/00	07/17/00	10	11	1	LT	476	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*477*

Average Concentration for Windrow on Day 10 : 491

Standard Deviation: 15

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: S174 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2NT	07/07/00	07/17/00	10	03	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*484*
2NT	07/07/00	07/17/00	10	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
2NT	07/07/00	07/17/00	10	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
2NT	07/07/00	07/17/00	10	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
2NT	07/07/00	07/17/00	10	11	1	LT	476	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*477*

Average Concentration for Windrow on Day 10 : ***491***

Standard Deviation: ***15***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: S174 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
3NT	07/07/00	07/17/00	10	03	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 03 :			*484*
3NT	07/07/00	07/17/00	10	05	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*500*
3NT	07/07/00	07/17/00	10	07	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*500*
3NT	07/07/00	07/17/00	10	09	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*492*
3NT	07/07/00	07/17/00	10	11	1	LT	476
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 10 : 491

Standard Deviation: 15

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: S174 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	07/07/00	07/17/00	10	03	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*484*
4A26DT	07/07/00	07/17/00	10	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
4A26DT	07/07/00	07/17/00	10	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
4A26DT	07/07/00	07/17/00	10	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
4A26DT	07/07/00	07/17/00	10	11	1	LT	476	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*477*

Average Concentration for Windrow on Day 10 : 491

Standard Deviation: 15

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: S174 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4NT	07/07/00	07/17/00	10	03	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*484*
4NT	07/07/00	07/17/00	10	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
4NT	07/07/00	07/17/00	10	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
4NT	07/07/00	07/17/00	10	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
4NT	07/07/00	07/17/00	10	11	1	LT	476	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*477*

Average Concentration for Windrow on Day 10 : ***491***

Standard Deviation: ***15***

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: S174 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
HMX	07/07/00	07/17/00	10	03	1		383 J	
					2		1160	
					3		354 J	
				Average Concentration for Cross Section 03 :				*632*
HMX	07/07/00	07/17/00	10	05	1	LT	500	
					2		274 J	
					3		372 J	
				Average Concentration for Cross Section 05 :				*382*
HMX	07/07/00	07/17/00	10	07	1		310 J	
					2	LT	500	
					3		547	
				Average Concentration for Cross Section 07 :				*452*
HMX	07/07/00	07/17/00	10	09	1		1250	
					2		502	
					3		442 J	
				Average Concentration for Cross Section 09 :				*731*
HMX	07/07/00	07/17/00	10	11	1		1040	
					2		507	
					3		622	
				Average Concentration for Cross Section 11 :				*723*

Average Concentration for Windrow on Day 10 : ***584***

Standard Deviation: ***310***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: S174 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
NB	07/07/00	07/17/00	10	03	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*484*
NB	07/07/00	07/17/00	10	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
NB	07/07/00	07/17/00	10	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
NB	07/07/00	07/17/00	10	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
NB	07/07/00	07/17/00	10	11	1	LT	476	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*477*

Average Concentration for Windrow on Day 10 : ***491***

Standard Deviation: ***15***

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: S174 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
RDX	07/07/00	07/17/00	10	03	1		218 J	
					2		886	
					3		111 J	
				Average Concentration for Cross Section 03 :				*405*
RDX	07/07/00	07/17/00	10	05	1	LT	500	
					2		950	
					3		500	
				Average Concentration for Cross Section 05 :				*650*
RDX	07/07/00	07/17/00	10	07	1		125 J	
					2	LT	500	
					3		105 J	
				Average Concentration for Cross Section 07 :				*243*
RDX	07/07/00	07/17/00	10	09	1		350 J	
					2		200 J	
					3		340 J	
				Average Concentration for Cross Section 09 :				*297*
RDX	07/07/00	07/17/00	10	11	1		1480	
					2		396 J	
					3		1270	
				Average Concentration for Cross Section 11 :				*1049*

Average Concentration for Windrow on Day 10 : ***529***

Standard Deviation: ***428***

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: S174 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
TETRYL	07/07/00	07/17/00	10	03	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*484*
TETRYL	07/07/00	07/17/00	10	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
TETRYL	07/07/00	07/17/00	10	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
TETRYL	07/07/00	07/17/00	10	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
TETRYL	07/07/00	07/17/00	10	11	1	LT	476	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*477*

Average Concentration for Windrow on Day 10 : ***491***

Standard Deviation: ***15***

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-175 Day 0: 07/7/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3	5700	12	2400	5.275	11605	20.275	19705
2	3	5700	12.25	2500	5.275	11605	20.525	19805
3	3.1	5800	12.5	2600	5.275	11605	20.875	20005
4	3.1	5800	12.5	2600	5.275	11605	20.875	20005
5	3	5700	12	2400	5.275	11605	20.275	19705
6	3.25	5700	12	2400	5.275	11605	20.525	19705
7	3.5	5900	13	2800	5.275	11605	21.775	20305
8	3.5	5900	2.75	2700	5.275	11605	11.525	20205
9	3.5	6000	13	2900	5.275	11605	21.775	20505
10	3.25	5900	12.25	2500	5.275	11605	20.775	20005
11	3.5	6000	12	2400	5.275	11605	20.775	20005
12	3.1	5800	12.25	2500	5.275	11605	20.625	19905
13	3	5700	12	2400	5.275	11605	20.275	19705
14	3.1	5800	12.25	2400	5.275	11605	20.625	19805
15	3	5700	12	2400	5.275	11605	20.275	19705
16	3.1	5800	12.75	2700	5.275	11605	21.125	20105
17	3.25	5900	13	2800	5.275	11605	21.525	20305
18	3.1	5800	13.25	2900	5.275	11605	21.625	20405
19	3	5700	12.1	2470	5.275	11605	20.375	19775
20	3.1	5740	12.1	2460	5.275	11605	20.475	19805
21	3.15	5830	12.15	2500	5.275	11605	20.575	19935
22	3.1	5750	12.1	2490	5.275	11605	20.475	19845
23	3.15	5820	12	2400	5.275	11605	20.425	19825
24	3.1	5740	12.1	2450	5.275	11605	20.475	19795
25	3.1	5790	12.15	2530	5.275	11605	20.525	19925
26	3	5700	12.1	2570	5.275	11605	20.375	19875
27	3.1	5770	12.15	2500	5.275	11605	20.525	19875
28	3.15	5820	12.15	2590	5.275	11605	20.575	20015
29	3.1	5740	12	2400	5.275	11605	20.375	19745
30	3.15	5850	12.1	2470	5.275	11605	20.525	19925
31	3.1	5790	12.15	2560	5.275	11605	20.525	19955
32	3.1	5840	12.15	2570	5.275	11605	20.525	20015
33	3	5700	12	2400	5.275	11605	20.275	19705
34	3.1	5770	12.1	2420	5.275	11605	20.475	19795
35	3.1	5720	12.25	2620	5.275	11605	20.625	19945
36	3.15	5830	12.1	2470	5.275	11605	20.525	19905
37	3.1	5740	12	2400	5.275	11605	20.375	19745
38	3.1	5790	12.1	2480	5.275	11605	20.475	19875
39	3.1	5750	12.15	2510	5.275	11605	20.525	19865
40	3.1	5770	12.1	2420	5.275	11605	20.475	19795
41								
Total	125.5	231550	480.05	100980	211.00	464200	816.55	796830

RECORD OF RECIPE (MIX NO. 7B)

Building # S Windrow # 175 PERFORMED BY: H

DATE: 7 16 100 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5750	12.10	2490				
2	3.15	5820	12	2400				
3	3.10	5740	12.10	2450				
4	3.10	5790	12.15	2530				
5	3	5700	12.10	2570				
6	3.10	5770	12.15	2500				
7	3.15	5820	12.15	2590				
8	3.10	5740	12	2400				
9	3.15	5850	12.10	2470				
10	3.10	5790	12.15	2560				
11	3.10	5840	12.15	2520				
12	3	5700	12	2400				
13	3.10	5770	12.10	2420				
14	3.10	5720	12.25	2620				
15	3.15	5830	12.10	2470				
16	3.10	5740	12	2400				
17	3.10	5790	12.10	2480				
18	3.10	5750	12.15	2510				
19	3.10	5770	12.10	2420				
Total								

Comments:

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # S Windrow # S12 5

PERFORMED BY: Rick

DATE: 8/16/00

INSPECTED BY:

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil ____ CY ____ Pounds

Batch Number	CHICKEN MANURE Supplier:		STRAW Supplier:		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5700	12	2400				
2	3	5700	12.25	2500				
3	3.10	5800	12.50	2600				
4	3.10	5800	12.50	2600				
5	3	5700	12	2400				
6	3.25	5700	12	2400				
7	3.50	5900	13	2800				
8	3.50	5900	12.75	2700				
9	3.50	6000	13.00	2900				
10	3.25	5900	12.25	2500				
11	3.50	6000	12	2400				
12	3.10	5800	12.25	2500				
13	3	5700	12	2400				
14	3.10	5800	12	2400				
15	3	5700	12	2400				
16	3.10	5800	12.75	2700				
17	3.28	5900	13	2800				
18	3.10	5800	13.25	2900				
19	3	5700	12.10	2470				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # S Windrow # _____ PERFORMED BY: Hound

DATE: 7/6/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5740	12.10	2460				
21	3.15	5830	12.15	2500				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
S175	7/7/00	7/7/00	0		49.90
		7/8/00	1	60.80	63.57
		7/9/00	2	64.43	60.77
		7/10/00	3	66.93	65.93
		7/11/00	4	67.73	62.93
		7/12/00	5	69.07	64.30
		7/13/00	6	67.33	66.37
		7/14/00	7	66.83	64.90
		7/15/00	8	67.57	63.60
		7/16/00	9	67.53	65.10
		7/17/00	10	68.47	64.23
		7/18/00	11	70.20	65.73

All average temperatures are in degrees centigrade

Friday, June 28, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S175	7/7/00	7/7/00	0		6.57
		7/8/00	1	5.80	11.73
		7/9/00	2	8.87	7.93
		7/10/00	3	9.97	7.30
		7/11/00	4	10.70	9.03
		7/12/00	5	13.67	12.43
		7/13/00	6	13.37	12.60
		7/14/00	7	14.60	9.87
		7/15/00	8	11.97	12.13
		7/16/00	9	13.67	13.83
		7/17/00	10	12.60	13.07
		7/18/00	11	8.03	6.43

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S175	7/7/00	7/7/00	0		66.00
		7/8/00	1		
		7/9/00	2		
		7/10/00	3		
		7/11/00	4		64.80
		7/12/00	5		
		7/13/00	6		
		7/14/00	7		
		7/15/00	8		
		7/16/00	9		
		7/17/00	10		53.24
		7/18/00	11		60.32

All average MWHC values are expressed in percent

Windrow Number: S175 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	07/07/00	07/19/00	12	03	1	LT	476	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*462*
135TNB	07/07/00	07/19/00	12	05	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*454*
135TNB	07/07/00	07/19/00	12	07	1	LT	500	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*477*
135TNB	07/07/00	07/19/00	12	09	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*461*
135TNB	07/07/00	07/19/00	12	11	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*454*

Average Concentration for Windrow on Day 12 : 462

Standard Deviation: 16

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: S175 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	07/07/00	07/19/00	12	03	1	LT	476	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*462*
13DNB	07/07/00	07/19/00	12	05	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*454*
13DNB	07/07/00	07/19/00	12	07	1	LT	500	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*477*
13DNB	07/07/00	07/19/00	12	09	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*461*
13DNB	07/07/00	07/19/00	12	11	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*454*

Average Concentration for Windrow on Day 12 : 462

Standard Deviation: 16

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: S175 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	07/07/00	07/19/00	12	03	1	LT	476	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*462*
246TNT	07/07/00	07/19/00	12	05	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*454*
246TNT	07/07/00	07/19/00	12	07	1	LT	500	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*477*
246TNT	07/07/00	07/19/00	12	09	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*461*
246TNT	07/07/00	07/19/00	12	11	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*454*

Average Concentration for Windrow on Day 12 : 462

Standard Deviation: 16

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S175 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	07/07/00	07/19/00	12	03	1	LT 476	
					2	LT 476	
					3	LT 435	
				Average Concentration for Cross Section 03 :			*462*
24DNT	07/07/00	07/19/00	12	05	1	LT 454	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 05 :			*454*
24DNT	07/07/00	07/19/00	12	07	1	LT 500	
					2	LT 476	
					3	LT 454	
				Average Concentration for Cross Section 07 :			*477*
24DNT	07/07/00	07/19/00	12	09	1	LT 454	
					2	LT 476	
					3	LT 454	
				Average Concentration for Cross Section 09 :			*461*
24DNT	07/07/00	07/19/00	12	11	1	LT 454	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 11 :			*454*

Average Concentration for Windrow on Day 12 : 462

Standard Deviation: 16

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S175 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	07/07/00	07/19/00	12	03	1	LT 476	
					2	LT 476	
					3	LT 435	
				Average Concentration for Cross Section 03 :			*462*
26DNT	07/07/00	07/19/00	12	05	1	LT 454	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 05 :			*454*
26DNT	07/07/00	07/19/00	12	07	1	LT 500	
					2	LT 476	
					3	LT 454	
				Average Concentration for Cross Section 07 :			*477*
26DNT	07/07/00	07/19/00	12	09	1	LT 454	
					2	LT 476	
					3	LT 454	
				Average Concentration for Cross Section 09 :			*461*
26DNT	07/07/00	07/19/00	12	11	1	LT 454	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 11 :			*454*

Average Concentration for Windrow on Day 12 : ***462***

Standard Deviation: ***16***

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: S175 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	07/07/00	07/19/00	12	03	1	LT	476	
					2		1200	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*704*
2A46DT	07/07/00	07/19/00	12	05	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*454*
2A46DT	07/07/00	07/19/00	12	07	1	LT	500	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*477*
2A46DT	07/07/00	07/19/00	12	09	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*461*
2A46DT	07/07/00	07/19/00	12	11	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*454*

Average Concentration for Windrow on Day 12 : 510

Standard Deviation: 192

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: S175 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
2NT	07/07/00	07/19/00	12	03	1	LT	476	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*462*
2NT	07/07/00	07/19/00	12	05	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*454*
2NT	07/07/00	07/19/00	12	07	1	LT	500	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*477*
2NT	07/07/00	07/19/00	12	09	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*461*
2NT	07/07/00	07/19/00	12	11	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*454*

Average Concentration for Windrow on Day 12 : 462

Standard Deviation: 16

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: S175 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
3NT	07/07/00	07/19/00	12	03	1	LT	476	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*462*
3NT	07/07/00	07/19/00	12	05	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*454*
3NT	07/07/00	07/19/00	12	07	1	LT	500	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*477*
3NT	07/07/00	07/19/00	12	09	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*461*
3NT	07/07/00	07/19/00	12	11	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*454*

Average Concentration for Windrow on Day 12 : ***462***

Standard Deviation: ***16***

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: S175 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	07/07/00	07/19/00	12	03	1	LT	476	
					2		1010	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*640*
4A26DT	07/07/00	07/19/00	12	05	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*454*
4A26DT	07/07/00	07/19/00	12	07	1	LT	500	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*477*
4A26DT	07/07/00	07/19/00	12	09	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*461*
4A26DT	07/07/00	07/19/00	12	11	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*454*

Average Concentration for Windrow on Day 12 : ***497***

Standard Deviation: ***143***

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: S175 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4NT	07/07/00	07/19/00	12	03	1	LT	476	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*462*
4NT	07/07/00	07/19/00	12	05	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*454*
4NT	07/07/00	07/19/00	12	07	1	LT	500	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*477*
4NT	07/07/00	07/19/00	12	09	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 09 :				*461*
4NT	07/07/00	07/19/00	12	11	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*454*

Average Concentration for Windrow on Day 12 : ***462***

Standard Deviation: ***16***

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: S175 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
HMX	07/07/00	07/19/00	12	03	1		134 J	
					2		731	
					3		865	
				Average Concentration for Cross Section 03 :				*577*
HMX	07/07/00	07/19/00	12	05	1	LT	454	
					2		261 J	
					3		226 J	
				Average Concentration for Cross Section 05 :				*314*
HMX	07/07/00	07/19/00	12	07	1		469 J	
					2		1760	
					3		5940	
				Average Concentration for Cross Section 07 :				*2723*
HMX	07/07/00	07/19/00	12	09	1	LT	454	
					2		200 J	
					3		1280	
				Average Concentration for Cross Section 09 :				*645*
HMX	07/07/00	07/19/00	12	11	1	LT	454	
					2		168 J	
					3		2040	
				Average Concentration for Cross Section 11 :				*887*

Average Concentration for Windrow on Day 12 : 1029

Standard Deviation: 1479

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: S175 *NITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
NB	07/07/00	07/19/00	12	03	1	LT 476	
					2	LT 476	
					3	LT 435	
				Average Concentration for Cross Section 03 :			*462*
NB	07/07/00	07/19/00	12	05	1	LT 454	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 05 :			*454*
NB	07/07/00	07/19/00	12	07	1	LT 500	
					2	LT 476	
					3	LT 454	
				Average Concentration for Cross Section 07 :			*477*
NB	07/07/00	07/19/00	12	09	1	LT 454	
					2	LT 476	
					3	LT 454	
				Average Concentration for Cross Section 09 :			*461*
NB	07/07/00	07/19/00	12	11	1	LT 454	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 11 :			*454*

Average Concentration for Windrow on Day 12 : 462

Standard Deviation: 16

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: S175 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
RDX	07/07/00	07/19/00	12	03	1	LT	476	
					2		258 J	
					3		298 J	
				Average Concentration for Cross Section 03 :				*344*
RDX	07/07/00	07/19/00	12	05	1	LT	454	
					2		408 J	
					3		101 J	
				Average Concentration for Cross Section 05 :				*321*
RDX	07/07/00	07/19/00	12	07	1		553	
					2		870	
					3		9760	
				Average Concentration for Cross Section 07 :				*3728*
RDX	07/07/00	07/19/00	12	09	1		1280	
					2	LT	476	
					3		1120	
				Average Concentration for Cross Section 09 :				*959*
RDX	07/07/00	07/19/00	12	11	1	LT	454	
					2		429 J	
					3		559	
				Average Concentration for Cross Section 11 :				*481*

Average Concentration for Windrow on Day 12 : 1166

Standard Deviation: 2398

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: S175 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
TETRYL	07/07/00	07/19/00	12	03	1	LT	476
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 03 :			*462*
TETRYL	07/07/00	07/19/00	12	05	1	LT	454
					2	LT	454
					3	LT	454
				Average Concentration for Cross Section 05 :			*454*
TETRYL	07/07/00	07/19/00	12	07	1	LT	500
					2	LT	476
					3	LT	454
				Average Concentration for Cross Section 07 :			*477*
TETRYL	07/07/00	07/19/00	12	09	1	LT	454
					2	LT	476
					3	LT	454
				Average Concentration for Cross Section 09 :			*461*
TETRYL	07/07/00	07/19/00	12	11	1	LT	454
					2	LT	454
					3	LT	454
				Average Concentration for Cross Section 11 :			*454*

Average Concentration for Windrow on Day 12 : ***462***

Standard Deviation: ***16***

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-176 Day 0: 7/12/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3	5700	12.25	2500	5.275	11605	20.525	19805
2	3.1	5800	12.25	2500	5.275	11605	20.625	19905
3	3.25	5900	12.75	2700	5.275	11605	21.275	20205
4	3.1	5800	13.25	2900	5.275	11605	21.625	20305
5	3.25	5900	12.75	2700	5.275	11605	21.275	20205
6	3.1	5800	12.5	2800	5.275	11605	20.875	20205
7	3.25	5900	13.25	2900	5.275	11605	21.775	20405
8	3	5700	12	2400	5.275	11605	20.275	19705
9	3.1	5800	12	2400	5.275	11605	20.375	19805
10	3.25	5900	12.5	2600	5.275	11605	21.025	20105
11	3.1	5800	12	2400	5.275	11605	20.375	19805
12	3.25	5900	12.75	2700	5.275	11605	21.275	20205
13	3	5700	12.5	2800	5.275	11605	20.775	20105
14	3	5700	12	2400	5.275	11605	20.275	19705
15	3	5700	12	2400	5.275	11605	20.275	19705
16	3.1	5800	12.75	2700	5.275	11605	21.125	20105
17	3.5	6000	12.5	2800	5.275	11605	21.275	20405
18	3	5700	12.5	2800	5.275	11605	20.775	20105
19	3.1	5790	12.15	2530	5.275	11605	20.525	19925
20	3.1	5720	12.15	2570	5.275	11605	20.525	19895
21	3	5700	12.1	2490	5.275	11605	20.375	19795
22	3.1	5740	12.15	2510	5.275	11605	20.525	19855
23	3.1	5770	12.1	2450	5.275	11605	20.475	19825
24	3.15	5810	12.15	2560	5.275	11605	20.575	19975
25	3.1	5790	12.15	2500	5.275	11605	20.525	19895
26	3	5760	12.1	2400	5.275	11605	20.375	19765
27	3.1	5740	12.15	2590	5.275	11605	20.525	19935
28	3.1	5730	12	2400	5.275	11605	20.375	19735
29	3.1	5780	12.1	2470	5.275	11605	20.475	19855
30	3.15	5830	12.2	2610	5.275	11605	20.625	20045
31	3.1	5770	12.1	2440	5.275	11605	20.475	19815
32	3.1	5720	12.15	2550	5.275	11605	20.525	19875
33	3.1	5750	12.15	2500	5.275	11605	20.525	19855
34	3.1	5720	12.1	2440	5.275	11605	20.475	19765
35	3	5700	12.15	2540	5.275	11605	20.425	19845
36	3.1	5780	12.1	2400	5.275	11605	20.475	19785
37	3.1	5820	12.15	2510	5.275	11605	20.525	19935
38					5.275	11605	5.275	11605
39					5.275	11605	5.275	11605
40					5.275	11605	5.275	11605
41								
42								
43								
Total	115.05	213920	454.9	94860	211.00	464200	780.95	772980

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 176 PERFORMED BY: [illegible]

DATE: 7/11-13/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5790	12.15	2530				
2	3.10	5720	12.15	2570				
3	3	5700	12.10	2490				
4	3.10	5740	12.15	2510				
5	3.10	5770	12.10	2450				
6	3.15	5810	12.15	2560				
7	3.10	5790	12.15	2500				
8	3	5760	12.10	2440				
9	3.10	5740	12.15	2590				
10	3.10	5730	12	2400				
11	3.10	5780	12.10	2470				
12	3.15	5830	12.20	2610				
13	3.10	5770	12.10	2440				
14	3.10	5720	12.15	2550				
15	3.10	5750	12.15	2500				
16	3.10	5720	12.10	2470				
17	3	5700	12.15	2540				
18	3.10	5780	12.10	2460				
19	3.10	5820	12.15	2510				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 24 Windrow # 24 176 PERFORMED BY: _____

DATE: 7/1/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 5700 CY 54 # Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5700	12.25	2500				12.75
2	3.10	5800	12.25	2500				
3	3.25	5900	12.75	2700				
4	3.10	5800	13.25	2900				
5	3.25	5900	12.75	2700				
6	3.10	5800	12.50	2800				
7	3.25	5900	13.25	2900				
8	3	5700	12.00	2400				
9	3.10	5800	12.00	2400				
10	3.25	5900	12.50	2600				
11	3.10	5800	12	2400				
12	3.25	5900	12.75	2700				
13	3	5700	12.50	2800				
14	3	5700	12	2400				
15	3	5700	12	2400				
16	3.10	5800	12.75	2700				
17	3.50	6000	12.50	2800				
18	3	5700	12.50	2800				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
M176	7/12/00	7/12/00	0		45.40
		7/13/00	1	62.63	63.03
		7/14/00	2	68.13	62.73
		7/15/00	3	67.17	63.80
		7/16/00	4	66.50	63.07
		7/17/00	5	64.73	64.30
		7/18/00	6	69.60	65.20
		7/19/00	7	68.37	63.73
		7/20/00	8	66.60	60.17
		7/21/00	9	62.20	64.90
		7/22/00	10	67.10	61.67
		7/23/00	11	66.07	63.13

All average temperatures are in degrees centigrade

Friday, June 28, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M176	7/12/00	7/12/00	0		6.33
		7/13/00	1	5.80	11.43
		7/14/00	2	6.13	8.30
		7/15/00	3	10.10	13.23
		7/16/00	4	12.23	9.70
		7/17/00	5	15.77	12.50
		7/18/00	6	10.17	4.00
		7/19/00	7	16.20	6.80
		7/20/00	8	12.83	16.37
		7/21/00	9	18.27	14.43
		7/22/00	10	7.80	9.50
		7/23/00	11	8.53	13.37

All average Oxygen values are expressed as a percent

Friday, June 28, 2002

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M176	7/12/00	7/12/00	0		68.04
		7/13/00	1		
		7/14/00	2		63.24
		7/15/00	3		
		7/16/00	4		
		7/17/00	5		55.54
		7/18/00	6		
		7/19/00	7		58.12
		7/20/00	8		
		7/21/00	9		59.74
		7/22/00	10		38.92
		7/23/00	11		

All average MWHC values are expressed in percent

Windrow Number: M176 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	07/12/00	07/24/00	12	03	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 03 :			*492*
135TNB	07/12/00	07/24/00	12	05	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 05 :			*492*
135TNB	07/12/00	07/24/00	12	07	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*492*
135TNB	07/12/00	07/24/00	12	09	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*500*
135TNB	07/12/00	07/24/00	12	11	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 12 : ***494***

Standard Deviation: ***11***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M176 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	07/12/00	07/24/00	12	03	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*492*
13DNB	07/12/00	07/24/00	12	05	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*492*
13DNB	07/12/00	07/24/00	12	07	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*492*
13DNB	07/12/00	07/24/00	12	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
13DNB	07/12/00	07/24/00	12	11	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 12 : 494

Standard Deviation: 11

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M176 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	07/12/00	07/24/00	12	03	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*492*
246TNT	07/12/00	07/24/00	12	05	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*492*
246TNT	07/12/00	07/24/00	12	07	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*492*
246TNT	07/12/00	07/24/00	12	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
246TNT	07/12/00	07/24/00	12	11	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 12 : 494

Standard Deviation: 11

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M176 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	07/12/00	07/24/00	12	03	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*492*
24DNT	07/12/00	07/24/00	12	05	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*492*
24DNT	07/12/00	07/24/00	12	07	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*492*
24DNT	07/12/00	07/24/00	12	09	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*500*
24DNT	07/12/00	07/24/00	12	11	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 12 : 494

Standard Deviation: 11

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M176 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
26DNT	07/12/00	07/24/00	12	03	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*492*
26DNT	07/12/00	07/24/00	12	05	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*492*
26DNT	07/12/00	07/24/00	12	07	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*492*
26DNT	07/12/00	07/24/00	12	09	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*500*
26DNT	07/12/00	07/24/00	12	11	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 12 : 494

Standard Deviation: 11

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M176 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2A46DT	07/12/00	07/24/00	12	03	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 03 :			*492*
2A46DT	07/12/00	07/24/00	12	05	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 05 :			*492*
2A46DT	07/12/00	07/24/00	12	07	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*492*
2A46DT	07/12/00	07/24/00	12	09	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*500*
2A46DT	07/12/00	07/24/00	12	11	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 12 : ***494***

Standard Deviation: ***11***

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M176 **2-NITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	07/12/00	07/24/00	12	03	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*492*
2NT	07/12/00	07/24/00	12	05	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*492*
2NT	07/12/00	07/24/00	12	07	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*492*
2NT	07/12/00	07/24/00	12	09	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*500*
2NT	07/12/00	07/24/00	12	11	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 12 : 494

Standard Deviation: 11

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: M176 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	07/12/00	07/24/00	12	03	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*492*
3NT	07/12/00	07/24/00	12	05	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*492*
3NT	07/12/00	07/24/00	12	07	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*492*
3NT	07/12/00	07/24/00	12	09	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*500*
3NT	07/12/00	07/24/00	12	11	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 12 : ***494***

Standard Deviation: ***11***

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: M176 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	07/12/00	07/24/00	12	03	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*492*
4A26DT	07/12/00	07/24/00	12	05	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*492*
4A26DT	07/12/00	07/24/00	12	07	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*492*
4A26DT	07/12/00	07/24/00	12	09	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*500*
4A26DT	07/12/00	07/24/00	12	11	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 12 : ***494***

Standard Deviation: *11*

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M176 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4NT	07/12/00	07/24/00	12	03	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*492*
4NT	07/12/00	07/24/00	12	05	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*492*
4NT	07/12/00	07/24/00	12	07	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*492*
4NT	07/12/00	07/24/00	12	09	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*500*
4NT	07/12/00	07/24/00	12	11	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 12 : ***494***

Standard Deviation: ***11***

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M176 *HMX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
HMX	07/12/00	07/24/00	12	03	1	LT	500	
					2		1310	
					3		1160	
				Average Concentration for Cross Section 03 :				*990*
HMX	07/12/00	07/24/00	12	05	1	LT	500	
					2		1310	
					3		1130	
				Average Concentration for Cross Section 05 :				*980*
HMX	07/12/00	07/24/00	12	07	1	LT	476	
					2		423 J	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*466*
HMX	07/12/00	07/24/00	12	09	1	LT	500	
					2		1900	
					3		971	
				Average Concentration for Cross Section 09 :				*1124*
HMX	07/12/00	07/24/00	12	11	1	LT	500	
					2		644	
					3		862	
				Average Concentration for Cross Section 11 :				*669*

Average Concentration for Windrow on Day 12 : ***846***

Standard Deviation: ***438***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M176 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
NB	07/12/00	07/24/00	12	03	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*492*
NB	07/12/00	07/24/00	12	05	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*492*
NB	07/12/00	07/24/00	12	07	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*492*
NB	07/12/00	07/24/00	12	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
NB	07/12/00	07/24/00	12	11	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 12 : ***494***

Standard Deviation: ***11***

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M176 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
RDX	07/12/00	07/24/00	12	03	1	LT	500	
					2		776	
					3		608	
				Average Concentration for Cross Section 03 :				*628*
RDX	07/12/00	07/24/00	12	05	1	LT	500	
					2		1720	
					3		1090	
				Average Concentration for Cross Section 05 :				*1103*
RDX	07/12/00	07/24/00	12	07	1	LT	476	
					2		317 J	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*431*
RDX	07/12/00	07/24/00	12	09	1	LT	500	
					2		448 J	
					3		1330	
				Average Concentration for Cross Section 09 :				*759*
RDX	07/12/00	07/24/00	12	11	1	LT	500	
					2		107 J	
					3		505	
				Average Concentration for Cross Section 11 :				*371*

Average Concentration for Windrow on Day 12 : ***658***

Standard Deviation: ***416***

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M176 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	07/12/00	07/24/00	12	03	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*492*
TETRYL	07/12/00	07/24/00	12	05	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*492*
TETRYL	07/12/00	07/24/00	12	07	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*492*
TETRYL	07/12/00	07/24/00	12	09	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*500*
TETRYL	07/12/00	07/24/00	12	11	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 12 : 494

Standard Deviation: 11

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-177 Day 0: 7/18/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5780	12.1	2460	5.275	11605	20.475	19845
2	3.1	5720	12.1	2440	5.275	11605	20.475	19765
3	3.1	5750	12	2400	5.275	11605	20.375	19755
4	3.1	5790	12.1	2490	5.275	11605	20.475	19885
5	3.1	5750	12.15	2530	5.275	11605	20.525	19885
6	3.1	5770	12.1	2470	5.275	11605	20.475	19845
7	3.1	5730	12.1	2420	5.275	11605	20.475	19755
8	3	5700	12.1	2480	5.275	11605	20.375	19785
9	3.1	5780	12.1	2420	5.275	11605	20.475	19805
10	3.1	5750	12	2400	5.275	11605	20.375	19755
11	3.1	5790	12.15	2550	5.275	11605	20.525	19945
12	3	5700	12.1	2440	5.275	11605	20.375	19745
13	3.15	5820	12.15	2580	5.275	11605	20.575	20005
14	3.1	5790	12.15	2560	5.275	11605	20.525	19955
15	3	5700	12.1	2480	5.275	11605	20.375	19785
16	3.15	5740	12.1	2490	5.275	11605	20.525	19835
17	3.1	5720	12.1	2460	5.275	11605	20.475	19785
18	3	5700	12.1	2480	5.275	11605	20.375	19785
19	3.1	5760	12	2400	5.275	11605	20.375	19765
20	3.1	5780	12.1	2430	5.275	11605	20.475	19815
21	3.15	5820	12.15	2560	5.275	11605	20.575	19985
22	3	5700	12.1	2470	5.275	11605	20.375	19775
23	3.1	5750	12.1	2490	5.275	11605	20.475	19845
24	3.15	5870	12.1	2440	5.275	11605	20.525	19915
25	3	5700	12.1	2440	5.275	11605	20.375	19745
26	3.15	5810	12.1	2420	5.275	11605	20.525	19835
27	3.1	5700	12.1	2500	5.275	11605	20.475	19805
28	3	5700	12.5	2700	5.275	11605	20.775	20005
29	3	5700	12	2400	5.275	11605	20.275	19705
30	3	5700	12.25	2500	5.275	11605	20.525	19805
31	3.1	5800	12	2400	5.275	11605	20.375	19805
32	3.25	5900	12	2400	5.275	11605	20.525	19905
33	3.5	5900	12.25	2500	5.275	11605	21.025	20005
34	3	5700	12.1	2700	5.275	11605	20.375	20005
35	3.1	5800	12	2400	5.275	11605	20.375	19805
36	3.5	5900	12.5	2600	5.275	11605	21.275	20105
37	3.5	6000	13.25	2900	5.275	11605	22.025	20505
38	3	5700	12	2400	5.275	11605	20.275	19705
39	3.5	5900	12	2400	5.275	11605	20.775	19905
40	3.5	6000	12.15	2500	5.275	11605	20.925	20105
41								
42								
43								
Total	125.3	231070	485.65	99500	211.00	464200	821.95	794770

RECORD OF RECIPE (MIX NO. 7B)

Building # 11 Windrow # 11-27 PERFORMED BY: [illegible]

DATE: 7/17/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5780	12.10	2460				
2	3.10	5720	12.10	2440				
3	3.10	5750	12	2400				
4	3.10	5790	12.10	2490				
5	3.10	5750	12.15	2530				
6	3.10	5770	12.10	2470				
7	3.10	5730	12.10	2420				
8	3	5700	12.10	2480				
9	3.10	5780	12.10	2420				
10	3.10	5750	12	2400				
11	3.10	5790	12.15	2550				
12	3	5700	12.10	2440				
13	3.15	5820	12.15	2580				
14	3.10	5790	12.15	2560				
15	3	5700	12.10	2450				
16	3.15	5740	12.10	2470				
17	3.10	5720	12.10	2460				
18	3	5700	12.10	2480				
19	3.10	5760	12	2480				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 177 PERFORMED BY: [illegible]

DATE: 7/17/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5500 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5780	12.10	2430				
21	3.15	5820	12.15	2560				
22	3	5700	12.10	2470				
23	3.10	5750	12.10	2490				
24	3.15	5870	12.10	2440				
25	3.	5700	12.10	2440				
26	3.15	5810	12.10	2420				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 7A Windrow # 4177 PERFORMED BY: RW

DATE: 7/17/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: WU PRODUCE		STRAW Supplier: Lambrecht Farms		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.00	5700	1.210	2500				
2	3.00	5700	1250	2700				
3	3	5700	12	2400				
4	3	5700	1225	2500				
5	3.10	5800	12	2400				
6	3.25	5900	12	2400				
7	3.50	5900	1225	2500				
8	3	5700	1270	2700				
9	3.10	5800	12	2400				
10	3.50	5900	1250	2600				
11	3.50	6000	1325	2900				
12	3	5700	12	2400				
13	3.50	5900	12	2400				
14	3.50	6000	12.5	2500				
15								
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
M177	7/18/00	7/18/00	0		44.57
		7/19/00	1	63.47	55.27
		7/20/00	2	67.03	64.77
		7/21/00	3	61.90	63.33
		7/22/00	4	66.00	61.77
		7/23/00	5	67.27	60.70
		7/24/00	6	69.20	65.20
		7/25/00	7	68.80	62.97
		7/26/00	8	69.23	65.67
		7/27/00	9	68.27	64.77
		7/28/00	10	71.17	65.97
		7/29/00	11	65.17	61.83
		7/30/00	12	59.73	61.87
		7/31/00	13	69.50	64.03
		8/1/00	14	66.43	63.33

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M177	7/18/00	7/18/00	0		1.73
		7/19/00	1	4.53	13.10
		7/20/00	2	13.33	14.60
		7/21/00	3	17.80	12.60
		7/22/00	4	10.40	12.60
		7/23/00	5	9.90	13.83
		7/24/00	6	13.27	9.93
		7/25/00	7	12.37	11.80
		7/26/00	8	9.93	5.90
		7/27/00	9	12.93	9.80
		7/28/00	10	10.47	7.77
		7/29/00	11	12.80	15.40
		7/30/00	12	15.13	15.87
		7/31/00	13	11.57	9.73
		8/1/00	14	10.23	11.77

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M177	7/18/00	7/18/00	0		61.14
		7/19/00	1		68.14
		7/20/00	2		
		7/21/00	3		
		7/22/00	4		42.36
		7/23/00	5		
		7/24/00	6		54.78
		7/25/00	7		63.20
		7/26/00	8		59.76
		7/27/00	9		
		7/28/00	10		62.08
		7/31/00	13		59.96

All average MWHC values are expressed in percent

Friday, June 28, 2002

Average Daily Windrow PH Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn*	*PRE-Turn*
M177	7/18/00	7/28/00	10	8.44	

All average PH values are expressed in standard units

Friday, June 28, 2002

Windrow Number: M177 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	07/18/00	08/02/00	15	03	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*492*
135TNB	07/18/00	08/02/00	15	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
135TNB	07/18/00	08/02/00	15	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
135TNB	07/18/00	08/02/00	15	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
135TNB	07/18/00	08/02/00	15	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 15 : ***498***

Standard Deviation: ***6***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M177 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	07/18/00	08/02/00	15	03	1	LT	500	
					2	LT	500	
					3	LT	476	
					Average Concentration for Cross Section 03 :			*492*
13DNB	07/18/00	08/02/00	15	05	1	LT	500	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 05 :			*500*
13DNB	07/18/00	08/02/00	15	07	1	LT	500	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 07 :			*500*
13DNB	07/18/00	08/02/00	15	09	1	LT	500	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 09 :			*500*
13DNB	07/18/00	08/02/00	15	11	1	LT	500	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 11 :			*500*

Average Concentration for Windrow on Day 15 : ***498***

Standard Deviation: ***6***

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M177 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	07/18/00	08/02/00	15	03	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*492*
246TNT	07/18/00	08/02/00	15	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
246TNT	07/18/00	08/02/00	15	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
246TNT	07/18/00	08/02/00	15	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
246TNT	07/18/00	08/02/00	15	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 15 : ***498***

Standard Deviation: ***6***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M177 **2,4-DINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	07/18/00	08/02/00	15	03	1	LT	500	
					2	LT	500	
					3	LT	476	
					Average Concentration for Cross Section 03 :			*492*
24DNT	07/18/00	08/02/00	15	05	1	LT	500	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 05 :			*500*
24DNT	07/18/00	08/02/00	15	07	1	LT	500	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 07 :			*500*
24DNT	07/18/00	08/02/00	15	09	1	LT	500	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 09 :			*500*
24DNT	07/18/00	08/02/00	15	11	1	LT	500	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 11 :			*500*

Average Concentration for Windrow on Day 15 : ***498***

Standard Deviation: ***6***

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M177 **2,6-DINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
26DNT	07/18/00	08/02/00	15	03	1	LT	500	
					2	LT	500	
					3	LT	476	
					Average Concentration for Cross Section 03 :			*492*
26DNT	07/18/00	08/02/00	15	05	1	LT	500	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 05 :			*500*
26DNT	07/18/00	08/02/00	15	07	1	LT	500	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 07 :			*500*
26DNT	07/18/00	08/02/00	15	09	1	LT	500	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 09 :			*500*
26DNT	07/18/00	08/02/00	15	11	1	LT	500	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 11 :			*500*

Average Concentration for Windrow on Day 15 : ***498***

Standard Deviation: ***6***

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M177 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2A46DT	07/18/00	08/02/00	15	03	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 03 :			*492*
2A46DT	07/18/00	08/02/00	15	05	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*500*
2A46DT	07/18/00	08/02/00	15	07	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*500*
2A46DT	07/18/00	08/02/00	15	09	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*500*
2A46DT	07/18/00	08/02/00	15	11	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 11 :			*500*

Average Concentration for Windrow on Day 15 : ***498***

Standard Deviation: ***6***

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M177 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
2NT	07/18/00	08/02/00	15	03	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*492*
2NT	07/18/00	08/02/00	15	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
2NT	07/18/00	08/02/00	15	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
2NT	07/18/00	08/02/00	15	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
2NT	07/18/00	08/02/00	15	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 15 : 498

Standard Deviation: 6

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: M177 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
3NT	07/18/00	08/02/00	15	03	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*492*
3NT	07/18/00	08/02/00	15	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
3NT	07/18/00	08/02/00	15	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
3NT	07/18/00	08/02/00	15	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
3NT	07/18/00	08/02/00	15	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 15 : ***498***

Standard Deviation: ***6***

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: M177 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	07/18/00	08/02/00	15	03	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*492*
4A26DT	07/18/00	08/02/00	15	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
4A26DT	07/18/00	08/02/00	15	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
4A26DT	07/18/00	08/02/00	15	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
4A26DT	07/18/00	08/02/00	15	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 15 : ***498***

Standard Deviation: ***6***

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M177 **4-NITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4NT	07/18/00	08/02/00	15	03	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*492*
4NT	07/18/00	08/02/00	15	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
4NT	07/18/00	08/02/00	15	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
4NT	07/18/00	08/02/00	15	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
4NT	07/18/00	08/02/00	15	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 15 : ***498***

Standard Deviation: ***6***

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M177 ***HMX Results***

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
HMX	07/18/00	08/02/00	15	03	1	5350	
					2	LT 500	
					3	6420	
				Average Concentration for Cross Section 03 :			*4090*
HMX	07/18/00	08/02/00	15	05	1	LT 500	
					2	LT 500	
					3	380 J	
				Average Concentration for Cross Section 05 :			*460*
HMX	07/18/00	08/02/00	15	07	1	232 J	
					2	3890	
					3	450 J	
				Average Concentration for Cross Section 07 :			*1524*
HMX	07/18/00	08/02/00	15	09	1	LT 500	
					2	1750	
					3	378 J	
				Average Concentration for Cross Section 09 :			*876*
HMX	07/18/00	08/02/00	15	11	1	LT 500	
					2	385 J	
					3	2690	
				Average Concentration for Cross Section 11 :			*1192*

Average Concentration for Windrow on Day 15 : ***1628***

Standard Deviation: ***2026***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M177 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	07/18/00	08/02/00	15	03	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*492*
NB	07/18/00	08/02/00	15	05	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*500*
NB	07/18/00	08/02/00	15	07	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*500*
NB	07/18/00	08/02/00	15	09	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*500*
NB	07/18/00	08/02/00	15	11	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*500*

Average Concentration for Windrow on Day 15 : ***498***

Standard Deviation: ***6***

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M177 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
RDX	07/18/00	08/02/00	15	03	1	24800	
					2	LT 500	
					3	36500	
				Average Concentration for Cross Section 03 :			*20600*
RDX	07/18/00	08/02/00	15	05	1	LT 500	
					2	LT 500	
					3	258 J	
				Average Concentration for Cross Section 05 :			*419*
RDX	07/18/00	08/02/00	15	07	1	LT 500	
					2	2110	
					3	144 J	
				Average Concentration for Cross Section 07 :			*918*
RDX	07/18/00	08/02/00	15	09	1	LT 500	
					2	1270	
					3	199 J	
				Average Concentration for Cross Section 09 :			*656*
RDX	07/18/00	08/02/00	15	11	1	LT 500	
					2	277 J	
					3	591	
				Average Concentration for Cross Section 11 :			*456*

Average Concentration for Windrow on Day 15 : ***4610***

Standard Deviation: ***10812***

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M177 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
TETRYL	07/18/00	08/02/00	15	03	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*492*
TETRYL	07/18/00	08/02/00	15	05	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*500*
TETRYL	07/18/00	08/02/00	15	07	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*500*
TETRYL	07/18/00	08/02/00	15	09	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*500*
TETRYL	07/18/00	08/02/00	15	11	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*500*

Average Concentration for Windrow on Day 15 : ***498***

Standard Deviation: ***6***

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-178 Day 0: 07/25/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5840	12.1	2480	5.275	11605	20.475	19925
2	3.1	5760	12.1	2450	5.275	11605	20.475	19815
3	3.1	5770	12.15	2520	5.275	11605	20.525	19895
4	3.1	5750	12.1	2470	5.275	11605	20.475	19825
5	3.1	5730	12	2400	5.275	11605	20.375	19735
6	3.15	5860	12.1	2460	5.275	11605	20.525	19925
7	3.1	5790	12.15	2510	5.275	11605	20.525	19905
8	3	5700	12.1	2450	5.275	11605	20.375	19755
9	3.1	5720	12	2400	5.275	11605	20.375	19725
10	3.1	5750	12.1	2440	5.275	11605	20.475	19795
11	3.1	5780	12.15	2560	5.275	11605	20.525	19945
12	3.15	5870	12.15	2550	5.275	11605	20.575	20025
13	3.1	5740	12.15	2570	5.275	11605	20.525	19915
14	3.15	5820	12.2	2610	5.275	11605	20.625	20035
15	3.1	5750	12	2400	5.275	11605	20.375	19755
16	3	5700	12.1	2470	5.275	11605	20.375	19775
17	3.1	5720	12	2400	5.275	11605	20.375	19725
18	3.1	5780	12.15	2570	5.275	11605	20.525	19895
19	3.1	5750	12.1	2440	5.275	11605	20.475	19795
20	3.1	5790	12.15	2590	5.275	11605	20.525	19985
21	3	5700	12.1	2460	5.275	11605	20.375	19765
22	3.1	5750	12	2400	5.275	11605	20.375	19755
23	3.15	5790	12.1	2460	5.275	11605	20.525	19855
24	3.1	5750	12.15	2510	5.275	11605	20.525	19865
25	3	5700	12.1	2440	5.275	11605	20.375	19745
26	3.15	5810	12	2400	5.275	11605	20.425	19815
27	3.1	5770	12.1	2430	5.275	11605	20.475	19805
28	3.15	5840	12.1	2490	5.275	11605	20.525	19935
29	3.15	5810	12.1	2460	5.275	11605	20.525	19875
30	3.1	5790	12.1	2490	5.275	11605	20.475	19885
31	3.1	5750	12.1	2410	5.275	11605	20.475	19765
32	3.1	5710	12.1	2470	5.275	11605	20.475	19785
33	3.1	5780	12	2400	5.275	11605	20.375	19785
34	3.1	5710	12.15	2530	5.275	11605	20.525	19845
35	3.15	5840	12.1	2490	5.275	11605	20.525	19935
36	3.1	5760	12.1	2420	5.275	11605	20.475	19785
37	3.15	5830	12.15	2540	5.275	11605	20.575	19975
38	3	5700	12	2400	5.275	11605	20.275	19705
39	3.15	5840	12.1	2490	5.275	11605	20.525	19935
40	3.1	5740	12.1	2460	5.275	11605	20.475	19805
41								
Total	124	230740	483.8	98890	211.00	464200	818.8	793770

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 178 PERFORMED BY: H

DATE: 7 126100 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5840	12.10	2480				
2	3.10	5760	12.10	2450				
3	3.10	5770	12.15	2520				
4	3.10	5750	12.10	2470				
5	3.10	5730	12	2400				
6	3.15	5860	12.10	2460				
7	3.10	5790	12.15	2510				
8	3	5700	12.10	2450				
9	3.10	5720	12	2400				
10	3.10	5750	12.10	2440				
11	3.10	5720	12.15	2560				
12	3.15	5870	12.15	2550				
13	3.10	5740	12.15	2570				
14	3.15	5820	12.20	2610				
15	3.10	5750	12	2400				
16	3	5700	12.10	2470				
17	3.10	5720	12	2400				
18	3.10	5780	12.15	2570				
19	3.10	5750	12.10	2440				
al								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 178 PERFORMED BY: [illegible]

DATE: 7/24/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5790	12.15	2590				
21	3	5700	12.10	2460				
22	3.10	5750	12	2400				
23	3.15	5790	12.10	2460				
24	3.10	5750	12.15	2510				
25	3	5700	12.10	2440				
26	3.15	5810	12	2400				
27	3.10	5770	12.10	2430				
28	3.15	5840	12.10	2490				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 178 PERFORMED BY: [illegible]

DATE: 7/24/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.15	5810	12.10	2460				
2	3.10	5790	12.10	2490				
3	3.10	5750	12.10	2410				
4	3.10	5710	12.10	2470				
5	3.10	5780	12	2400				
6	3.10	5710	12.15	2530				
7	3.15	5840	12.10	2490				
8	3.10	5760	12.10	2420				
9	3.15	5830	12.15	2540				
10	3	5700	12	2400				
11	3.15	5840	12.10	2498				
12	3.10	5740	12.10	2460				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
S178	7/25/00	7/25/00	0		37.43
		7/26/00	1	66.57	55.53
		7/27/00	2	66.53	59.63
		7/28/00	3	68.20	62.57
		7/29/00	4	61.03	59.53
		7/30/00	5	60.03	63.43
		7/31/00	6	67.20	65.11
		8/1/00	7	71.37	65.63
		8/2/00	8	69.43	64.10
		8/3/00	9	62.77	63.03

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S178	7/25/00	7/25/00	0		8.23
		7/26/00	1	8.70	5.33
		7/27/00	2	11.63	10.13
		7/28/00	3	7.87	10.77
		7/29/00	4	16.50	14.40
		7/30/00	5	11.87	10.93
		7/31/00	6	13.07	10.86
		8/1/00	7	4.47	9.47
		8/2/00	8	12.87	11.20
		8/3/00	9	13.10	10.43

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S178	7/25/00	7/25/00	0		70.66
		7/26/00	1		
		7/27/00	2		
		7/28/00	3		65.52
		7/31/00	6		56.56
		8/2/00	8		34.74
		8/3/00	9		44.38

All average MWHC values are expressed in percent

Friday, June 28, 2002

Average Daily Windrow PH Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn*	*PRE-Turn*
S178	7/25/00	7/28/00	3	8.28	

All average PH values are expressed in standard units

Friday, June 28, 2002

Windrow Number: S178 *1,3,5-TRINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
135TNB	07/25/00	08/04/00	10	03	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*476*
135TNB	07/25/00	08/04/00	10	05	1	LT	476	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*461*
135TNB	07/25/00	08/04/00	10	07	1	LT	500	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*477*
135TNB	07/25/00	08/04/00	10	09	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*461*
135TNB	07/25/00	08/04/00	10	11	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*461*

Average Concentration for Windrow on Day 10 : ***467***

Standard Deviation: ***14***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: S178 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	07/25/00	08/04/00	10	03	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*476*
13DNB	07/25/00	08/04/00	10	05	1	LT	476	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*461*
13DNB	07/25/00	08/04/00	10	07	1	LT	500	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*477*
13DNB	07/25/00	08/04/00	10	09	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*461*
13DNB	07/25/00	08/04/00	10	11	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*461*

Average Concentration for Windrow on Day 10 : ***467***

Standard Deviation: ***14***

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: S178 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	07/25/00	08/04/00	10	03	1	LT	476	
					2		128 J	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*360*
246TNT	07/25/00	08/04/00	10	05	1	LT	476	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*461*
246TNT	07/25/00	08/04/00	10	07	1	LT	500	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*477*
246TNT	07/25/00	08/04/00	10	09	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*461*
246TNT	07/25/00	08/04/00	10	11	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*461*

Average Concentration for Windrow on Day 10 : ***444***

Standard Deviation: ***89***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S178 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	07/25/00	08/04/00	10	03	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*476*
24DNT	07/25/00	08/04/00	10	05	1	LT	476	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*461*
24DNT	07/25/00	08/04/00	10	07	1	LT	500	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*477*
24DNT	07/25/00	08/04/00	10	09	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*461*
24DNT	07/25/00	08/04/00	10	11	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*461*

Average Concentration for Windrow on Day 10 : ***467***

Standard Deviation: ***14***

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S178 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	07/25/00	08/04/00	10	03	1	LT 476	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*476*
26DNT	07/25/00	08/04/00	10	05	1	LT 476	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 05 :			*461*
26DNT	07/25/00	08/04/00	10	07	1	LT 500	
					2	LT 454	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*477*
26DNT	07/25/00	08/04/00	10	09	1	LT 454	
					2	LT 454	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*461*
26DNT	07/25/00	08/04/00	10	11	1	LT 454	
					2	LT 476	
					3	LT 454	
				Average Concentration for Cross Section 11 :			*461*

Average Concentration for Windrow on Day 10 : 467

Standard Deviation: 14

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: S178 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
2A46DT	07/25/00	08/04/00	10	03	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*476*
2A46DT	07/25/00	08/04/00	10	05	1	LT	476	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*461*
2A46DT	07/25/00	08/04/00	10	07	1	LT	500	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*477*
2A46DT	07/25/00	08/04/00	10	09	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*461*
2A46DT	07/25/00	08/04/00	10	11	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*461*

Average Concentration for Windrow on Day 10 : ***467***

Standard Deviation: ***14***

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: S178 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	07/25/00	08/04/00	10	03	1	LT 476	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*476*
2NT	07/25/00	08/04/00	10	05	1	LT 476	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 05 :			*461*
2NT	07/25/00	08/04/00	10	07	1	LT 500	
					2	LT 454	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*477*
2NT	07/25/00	08/04/00	10	09	1	LT 454	
					2	LT 454	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*461*
2NT	07/25/00	08/04/00	10	11	1	LT 454	
					2	LT 476	
					3	LT 454	
				Average Concentration for Cross Section 11 :			*461*

Average Concentration for Windrow on Day 10 : ***467***

Standard Deviation: ***14***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: S178 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
3NT	07/25/00	08/04/00	10	03	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*476*
3NT	07/25/00	08/04/00	10	05	1	LT	476	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*461*
3NT	07/25/00	08/04/00	10	07	1	LT	500	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*477*
3NT	07/25/00	08/04/00	10	09	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*461*
3NT	07/25/00	08/04/00	10	11	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*461*

Average Concentration for Windrow on Day 10 : ***467***

Standard Deviation: ***14***

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: S178 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	07/25/00	08/04/00	10	03	1	LT	476	
					2		299 J	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*417*
4A26DT	07/25/00	08/04/00	10	05	1	LT	476	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*461*
4A26DT	07/25/00	08/04/00	10	07	1	LT	500	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*477*
4A26DT	07/25/00	08/04/00	10	09	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*461*
4A26DT	07/25/00	08/04/00	10	11	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*461*

Average Concentration for Windrow on Day 10 : 456

Standard Deviation: 46

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: S178 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4NT	07/25/00	08/04/00	10	03	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*476*
4NT	07/25/00	08/04/00	10	05	1	LT	476	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*461*
4NT	07/25/00	08/04/00	10	07	1	LT	500	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*477*
4NT	07/25/00	08/04/00	10	09	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*461*
4NT	07/25/00	08/04/00	10	11	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*461*

Average Concentration for Windrow on Day 10 : ***467***

Standard Deviation: ***14***

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: S178 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
HMX	07/25/00	08/04/00	10	03	1		319 J	
					2		1110	
					3		1760	
				Average Concentration for Cross Section 03 :				*1063*
HMX	07/25/00	08/04/00	10	05	1		884	
					2		354 J	
					3		1220	
				Average Concentration for Cross Section 05 :				*819*
HMX	07/25/00	08/04/00	10	07	1	LT	500	
					2	LT	454	
					3		547	
				Average Concentration for Cross Section 07 :				*500*
HMX	07/25/00	08/04/00	10	09	1		216 J	
					2		1180	
					3		2630	
				Average Concentration for Cross Section 09 :				*1342*
HMX	07/25/00	08/04/00	10	11	1		83.5 J	
					2		827	
					3		1020	
				Average Concentration for Cross Section 11 :				*644*

Average Concentration for Windrow on Day 10 : ***874***

Standard Deviation: ***667***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: S178 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
NB	07/25/00	08/04/00	10	03	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*476*
NB	07/25/00	08/04/00	10	05	1	LT	476	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*461*
NB	07/25/00	08/04/00	10	07	1	LT	500	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*477*
NB	07/25/00	08/04/00	10	09	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*461*
NB	07/25/00	08/04/00	10	11	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*461*

Average Concentration for Windrow on Day 10 : ***467***

Standard Deviation: ***14***

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: S178 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
RDX	07/25/00	08/04/00	10	03	1	1450	
					2	3020	
					3	10400	
				Average Concentration for Cross Section 03 :			*4957*
RDX	07/25/00	08/04/00	10	05	1	LT 476	
					2	1360	
					3	2520	
				Average Concentration for Cross Section 05 :			*1452*
RDX	07/25/00	08/04/00	10	07	1	LT 500	
					2	764	
					3	246 J	
				Average Concentration for Cross Section 07 :			*503*
RDX	07/25/00	08/04/00	10	09	1	11200	
					2	520	
					3	2780	
				Average Concentration for Cross Section 09 :			*4833*
RDX	07/25/00	08/04/00	10	11	1	5710	
					2	552	
					3	334 J	
				Average Concentration for Cross Section 11 :			*2199*

Average Concentration for Windrow on Day 10 : 2789

Standard Deviation: 3571

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: S178 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
TETRYL	07/25/00	08/04/00	10	03	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*476*
TETRYL	07/25/00	08/04/00	10	05	1	LT	476	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*461*
TETRYL	07/25/00	08/04/00	10	07	1	LT	500	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*477*
TETRYL	07/25/00	08/04/00	10	09	1	LT	454	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*461*
TETRYL	07/25/00	08/04/00	10	11	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*461*

Average Concentration for Windrow on Day 10 : ***467***

Standard Deviation: ***14***

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-179 Day 0: 07/26/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5790	12.15	2540	5.275	11605	20.525	19935
2	3	5700	12.1	2420	5.275	11605	20.375	19725
3	3.1	5750	12.1	2470	5.275	11605	20.475	19825
4	3.1	5740	12	2400	5.275	11605	20.375	19745
5	3.1	5770	12.1	2450	5.275	11605	20.475	19825
6	3.15	5810	12.15	2560	5.275	11605	20.575	19975
7	3	5700	12.1	2490	5.275	11605	20.375	19795
8	3.1	5720	12.15	2500	5.275	11605	20.525	19825
9	3.1	5760	12.15	2580	5.275	11605	20.525	19945
10	3.15	5850	12.1	2470	5.275	11605	20.525	19925
11	3.1	5780	12	2400	5.275	11605	20.375	19785
12	3.1	5780	12.1	2450	5.275	11605	20.475	19835
13	3.1	5810	12.1	2490	5.275	11605	20.475	19905
14	3.15	5790	12.15	2540	5.275	11605	20.575	19935
15	3.15	5800	12.15	2520	5.275	11605	20.575	19925
16	3.1	5740	12.1	2470	5.275	11605	20.475	19815
17	3.1	5740	12.1	2450	5.275	11605	20.475	19795
18	3	5700	12.1	2430	5.275	11605	20.375	19775
19	3.15	5860	12.1	2470	5.275	11605	20.525	19935
20	3.15	5850	12.15	2570	5.275	11605	20.575	20025
21	3.25	5910	12.2	2660	5.275	11605	20.725	20175
22	3.15	5840	12.75	2770	5.275	11605	21.175	20215
23	3.15	5800	12.15	2560	5.275	11605	20.575	19965
24	3	5700	12.1	2490	5.275	11605	20.375	19795
25	3.1	5750	12.1	2450	5.275	11605	20.475	19805
26	3.15	5830	12.1	2460	5.275	11605	20.525	19895
27	3.25	5900	12	2400	5.275	11605	20.525	19905
28	3.25	5900	12	2400	5.275	11605	20.525	19905
29	3.15	5800	12	2400	5.275	11605	20.425	19805
30	3	5700	12	2400	5.275	11605	20.275	19705
31	3.15	5800	12.2	2600	5.275	11605	20.625	20005
32	3.25	6000	12.2	2600	5.275	11605	20.725	20205
33	3.25	6000	12.2	2600	5.275	11605	20.725	20205
34	3.15	5900	12.25	2800	5.275	11605	20.675	20305
35	3.15	5900	12	2400	5.275	11605	20.425	19905
36	3	5700	12.15	2500	5.275	11605	20.425	19805
37	3.1	5780	12.1	2430	5.275	11605	20.475	19815
38	3.1	5740	12.1	2480	5.275	11605	20.475	19825
39	3.15	5860	12.1	2420	5.275	11605	20.525	19885
40	3.1	5740	12.1	2460	5.275	11605	20.475	19805
41								
Total	124.85	231990	484.95	99950	211.00	464200	820.8	796180

RECORD OF RECIPE (MIX NO. 7B)

Building # S Windrow # 18 PERFORMED BY: [illegible]

DATE: 7 12 5 100 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5790	12.15	2540				
2	3	5700	12.10	2420				
3	3.10	5750	12.10	2470				
4	3.18	5540	12	2400				
5	3.10	5770	12.10	2450				
6	3.15	5810	12.15	2560				
7	3	5700	12.10	2490				
8	3.10	5720	12.15	2500				
9	3.10	5760	12.15	2580				
10	3.15	5850	12.10	2470				
11	3.10	5730	12	2400				
12	3.10	5780	12.10	2450				
13	3.15	5810	12.10	2490				
14	3.15	5790	12.15	2540				
15	3.15	5800	12.15	2520				
16	3.10	5740	12.10	2470				
17	3.10	5740	12.10	2450				
18	3	5700	12.10	2430				
19	3.15	5860	12.10	2470				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 178 PERFORMED BY: 14 D

DATE: 7/25/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.15	5850	12.15	2570				
21	3.25	5910	12.80	2660				
22	3.15	5840	12.75	2770				
23	3.15	5800	12.15	2560				
24	3	5700	12.10	2490				
25	3.10	5750	12.10	2450				
26	3.15	5830	12.10	2466				
tal								

omments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 8 Windrow # 179 PERFORMED BY: Jerry

DATE: 7 125100 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.25	5900	12	2400				
2	3.25	5900	12	2400				
3	3.15	5800	12	2400				
4	3	5700	12	2400				
5	3.15	5800	12.20	2600				
6	3.25	6000	12.20	2600				
7	3.25	6000	12.20	2600				
8	3.15	5900	12.25	2800				
9	3.15	5900	12	2400				
10	3	5700	12.15	2500				
11	3.10	5780	12.10	2430				
12	3.10	5740	12.10	2480				
13	3.15	5860	12.10	2420				
14	3.10	5740	12.10	2460				
15								
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
S179	7/26/00	7/26/00	0		53.90
		7/27/00	1	63.67	56.40
		7/28/00	2	65.50	62.33
		7/29/00	3	58.77	58.83
		7/30/00	4	62.03	63.50
		7/31/00	5	65.53	65.33
		8/1/00	6	71.53	66.20
		8/2/00	7	68.20	63.13
		8/3/00	8	62.70	60.37
		8/4/00	9	69.83	64.67
		8/5/00	10	69.30	60.27
		8/6/00	11	68.27	62.00
		8/7/00	12	68.03	61.03
		8/8/00	13	69.23	63.40
		8/9/00	14	69.47	61.43
		8/10/00	15	65.60	61.63

All average temperatures are in degrees centigrade

Wednesday, July 03, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S179	7/26/00	7/26/00	0		5.20
		7/27/00	1	9.57	6.50
		7/28/00	2	4.00	9.17
		7/29/00	3	10.97	15.63
		7/30/00	4	12.43	13.73
		7/31/00	5	14.90	11.13
		8/1/00	6	8.93	10.17
		8/2/00	7	12.40	13.17
		8/3/00	8	14.17	5.40
		8/4/00	9	9.87	2.40
		8/5/00	10	6.60	13.90
		8/6/00	11	12.63	15.20
		8/7/00	12	8.57	13.07
		8/8/00	13	4.53	14.83
		8/9/00	14	7.00	4.60
		8/10/00	15	1.40	7.70

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S179	7/26/00	7/26/00	0		64.50
		7/27/00	1		62.54
		7/28/00	2		64.36
		7/31/00	5		55.38
		8/2/00	7		39.14
		8/3/00	8		30.64
		8/4/00	9		
		8/5/00	10		
		8/6/00	11		
		8/7/00	12		30.46
		8/8/00	13		38.38
		8/9/00	14		38.84
		8/10/00	15		

All average MWHC values are expressed in percent

Wednesday, July 03, 2002

Average Daily Windrow PH Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn*	*PRE-Turn*
S179	7/26/00	7/28/00	2	8.30	

All average PH values are expressed in standard units

Wednesday, July 03, 2002

Windrow Number: S179 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	07/26/00	08/11/00	16	03	1	LT	476	
					2	LT	500	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*477*
135TNB	07/26/00	08/11/00	16	05	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*454*
135TNB	07/26/00	08/11/00	16	07	1	LT	476	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*469*
135TNB	07/26/00	08/11/00	16	09	1	LT	435	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*470*
135TNB	07/26/00	08/11/00	16	11	1	LT	435	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 11 :				*449*

Average Concentration for Windrow on Day 16 : 464

Standard Deviation: 21

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: S179 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	07/26/00	08/11/00	16	03	1	LT	476	
					2	LT	500	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*477*
13DNB	07/26/00	08/11/00	16	05	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*454*
13DNB	07/26/00	08/11/00	16	07	1	LT	476	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*469*
13DNB	07/26/00	08/11/00	16	09	1	LT	435	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*470*
13DNB	07/26/00	08/11/00	16	11	1	LT	435	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 11 :				*449*

Average Concentration for Windrow on Day 16 : 464

Standard Deviation: 21

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: S179 **2,4,6-TRINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	07/26/00	08/11/00	16	03	1	LT	476	
					2	LT	500	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*477*
246TNT	07/26/00	08/11/00	16	05	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*454*
246TNT	07/26/00	08/11/00	16	07	1	LT	476	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*469*
246TNT	07/26/00	08/11/00	16	09	1	LT	435	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*470*
246TNT	07/26/00	08/11/00	16	11	1	LT	435	
					2		24300	
					3	LT	435	
				Average Concentration for Cross Section 11 :				*8390*

Average Concentration for Windrow on Day 16 : 2052

Standard Deviation: 6155

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S179 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	07/26/00	08/11/00	16	03	1	LT	476	
					2	LT	500	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*477*
24DNT	07/26/00	08/11/00	16	05	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*454*
24DNT	07/26/00	08/11/00	16	07	1	LT	476	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*469*
24DNT	07/26/00	08/11/00	16	09	1	LT	435	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*470*
24DNT	07/26/00	08/11/00	16	11	1	LT	435	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 11 :				*449*

Average Concentration for Windrow on Day 16 : 464

Standard Deviation: 21

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S179 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
26DNT	07/26/00	08/11/00	16	03	1	LT	476	
					2	LT	500	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*477*
26DNT	07/26/00	08/11/00	16	05	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*454*
26DNT	07/26/00	08/11/00	16	07	1	LT	476	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*469*
26DNT	07/26/00	08/11/00	16	09	1	LT	435	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*470*
26DNT	07/26/00	08/11/00	16	11	1	LT	435	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 11 :				*449*

Average Concentration for Windrow on Day 16 : 464

Standard Deviation: 21

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: S179 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	07/26/00	08/11/00	16	03	1	LT 476	
					2	LT 500	
					3	LT 454	
				Average Concentration for Cross Section 03 :			*477*
2A46DT	07/26/00	08/11/00	16	05	1	LT 454	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 05 :			*454*
2A46DT	07/26/00	08/11/00	16	07	1	LT 476	
					2	LT 454	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*469*
2A46DT	07/26/00	08/11/00	16	09	1	LT 435	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*470*
2A46DT	07/26/00	08/11/00	16	11	1	LT 435	
					2	LT 476	
					3	LT 435	
				Average Concentration for Cross Section 11 :			*449*

Average Concentration for Windrow on Day 16 : 464

Standard Deviation: 21

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: S179 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	07/26/00	08/11/00	16	03	1	LT	476
					2	LT	500
					3	LT	454
				Average Concentration for Cross Section 03 :			*477*
2NT	07/26/00	08/11/00	16	05	1	LT	454
					2	LT	454
					3	LT	454
				Average Concentration for Cross Section 05 :			*454*
2NT	07/26/00	08/11/00	16	07	1	LT	476
					2	LT	454
					3	LT	476
				Average Concentration for Cross Section 07 :			*469*
2NT	07/26/00	08/11/00	16	09	1	LT	435
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 09 :			*470*
2NT	07/26/00	08/11/00	16	11	1	LT	435
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 11 :			*449*

Average Concentration for Windrow on Day 16 : ***464***

Standard Deviation: ***21***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: S179 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
3NT	07/26/00	08/11/00	16	03	1	LT	476	
					2	LT	500	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*477*
3NT	07/26/00	08/11/00	16	05	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*454*
3NT	07/26/00	08/11/00	16	07	1	LT	476	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*469*
3NT	07/26/00	08/11/00	16	09	1	LT	435	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*470*
3NT	07/26/00	08/11/00	16	11	1	LT	435	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 11 :				*449*

Average Concentration for Windrow on Day 16 : 464

Standard Deviation: 21

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: S179

4-AMINO-2,6-DINITROTOLUENE Results

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	07/26/00	08/11/00	16	03	1	LT	476	
					2	LT	500	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*477*
4A26DT	07/26/00	08/11/00	16	05	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*454*
4A26DT	07/26/00	08/11/00	16	07	1	LT	476	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*469*
4A26DT	07/26/00	08/11/00	16	09	1	LT	435	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*470*
4A26DT	07/26/00	08/11/00	16	11	1	LT	435	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 11 :				*449*

Average Concentration for Windrow on Day 16 : 464

Standard Deviation: 21

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: S179 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4NT	07/26/00	08/11/00	16	03	1	LT	476	
					2	LT	500	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*477*
4NT	07/26/00	08/11/00	16	05	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*454*
4NT	07/26/00	08/11/00	16	07	1	LT	476	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*469*
4NT	07/26/00	08/11/00	16	09	1	LT	435	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*470*
4NT	07/26/00	08/11/00	16	11	1	LT	435	
					2	LT	476	
					3	LT	435	
				Average Concentration for Cross Section 11 :				*449*

Average Concentration for Windrow on Day 16 : 464

Standard Deviation: 21

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: S179 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
HMX	07/26/00	08/11/00	16	03	1	LT	476	
					2		9180	
					3		804	
					Average Concentration for Cross Section 03 :			*3487*
HMX	07/26/00	08/11/00	16	05	1	LT	454	
					2		558	
					3		804	
					Average Concentration for Cross Section 05 :			*605*
HMX	07/26/00	08/11/00	16	07	1	LT	476	
					2		656	
					3		951	
					Average Concentration for Cross Section 07 :			*694*
HMX	07/26/00	08/11/00	16	09	1	LT	435	
					2	LT	500	
					3	LT	476	
					Average Concentration for Cross Section 09 :			*470*
HMX	07/26/00	08/11/00	16	11	1	LT	435	
					2		389 J	
					3		217 J	
					Average Concentration for Cross Section 11 :			*347*

Average Concentration for Windrow on Day 16 : 1121

Standard Deviation: 2237

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: S179 *NITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
NB	07/26/00	08/11/00	16	03	1	LT	476
					2	LT	500
					3	LT	454
				Average Concentration for Cross Section 03 :			*477*
NB	07/26/00	08/11/00	16	05	1	LT	454
					2	LT	454
					3	LT	454
				Average Concentration for Cross Section 05 :			*454*
NB	07/26/00	08/11/00	16	07	1	LT	476
					2	LT	454
					3	LT	476
				Average Concentration for Cross Section 07 :			*469*
NB	07/26/00	08/11/00	16	09	1	LT	435
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 09 :			*470*
NB	07/26/00	08/11/00	16	11	1	LT	435
					2	LT	476
					3	LT	435
				Average Concentration for Cross Section 11 :			*449*

Average Concentration for Windrow on Day 16 : 464

Standard Deviation: 21

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: S179 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
RDX	07/26/00	08/11/00	16	03	1	LT	476	
					2		52100	
					3		201 J	
				Average Concentration for Cross Section 03 :				*17592*
RDX	07/26/00	08/11/00	16	05	1	LT	454	
					2		4290	
					3		1600	
				Average Concentration for Cross Section 05 :				*2115*
RDX	07/26/00	08/11/00	16	07	1	LT	476	
					2	LT	454	
					3		342 J	
				Average Concentration for Cross Section 07 :				*424*
RDX	07/26/00	08/11/00	16	09	1	LT	435	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*470*
RDX	07/26/00	08/11/00	16	11	1	LT	435	
					2	LT	476	
					3		1260	
				Average Concentration for Cross Section 11 :				*724*

Average Concentration for Windrow on Day 16 : 4265

Standard Deviation: 13272

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: S179 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
TETRYL	07/26/00	08/11/00	16	03	1	LT 476	
					2	LT 500	
					3	LT 454	
				Average Concentration for Cross Section 03 :			*477*
TETRYL	07/26/00	08/11/00	16	05	1	LT 454	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 05 :			*454*
TETRYL	07/26/00	08/11/00	16	07	1	LT 476	
					2	LT 454	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*469*
TETRYL	07/26/00	08/11/00	16	09	1	LT 435	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*470*
TETRYL	07/26/00	08/11/00	16	11	1	LT 435	
					2	LT 476	
					3	LT 435	
				Average Concentration for Cross Section 11 :			*449*

Average Concentration for Windrow on Day 16 : 464

Standard Deviation: 21

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-180 Day 0: 8/1/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5750	12.1	2490	5.275	11605	20.475	19845
2	3.1	5790	12.1	2450	5.275	11605	20.475	19845
3	3	5700	12.1	2470	5.275	11605	20.375	19775
4	3.1	5780	12	2400	5.275	11605	20.375	19785
5	3.1	5730	12.1	2450	5.275	11605	20.475	19785
6	3	5700	12.15	2560	5.275	11605	20.425	19865
7	3.1	5720	12.15	2530	5.275	11605	20.525	19855
8	3.15	5840	12.1	2490	5.275	11605	20.525	19935
9	3.1	5750	12.15	2500	5.275	11605	20.525	19855
10	3	5700	12.1	2460	5.275	11605	20.375	19765
11	3.1	5810	12.1	2470	5.275	11605	20.475	19885
12	3.1	5740	12	2400	5.275	11605	20.375	19745
13	3.1	5770	12.1	2440	5.275	11605	20.475	19815
14	3.1	5750	12	2400	5.275	11605	20.375	19755
15	3.15	5820	12.1	2460	5.275	11605	20.525	19885
16	3.1	5780	12.15	2510	5.275	11605	20.525	19895
17	3.1	5720	12.1	2470	5.275	11605	20.475	19795
18	3	5700	12.15	2540	5.275	11605	20.425	19845
19	3.15	5850	12.1	2440	5.275	11605	20.525	19895
20	3.1	5750	12.1	2490	5.275	11605	20.475	19845
21	3.15	5810	12.1	2480	5.275	11605	20.525	19895
22	3.15	5800	12.25	2650	5.275	11605	20.675	20055
23	3.2	5740	12.15	2570	5.275	11605	20.625	19915
24	3.1	5720	12.1	2480	5.275	11605	20.475	19805
25	3.15	5800	12.5	2600	5.275	11605	20.925	20005
26	3.25	5900	12.75	2700	5.275	11605	21.275	20205
27	3.5	6000	12.6	2400	5.275	11605	21.375	20005
28	3.5	6000	13	2800	5.275	11605	21.775	20405
29	3.15	5800	12	2400	5.275	11605	20.425	19805
30	3.75	6100	12.5	2600	5.275	11605	21.525	20305
31	3	5700	11.75	2300	5.275	11605	20.025	19605
32	3.15	5800	13	2800	5.275	11605	21.425	20205
33	3.25	5900	12.75	2700	5.275	11605	21.275	20205
34	3.15	5800	13	2800	5.275	11605	21.425	20205
35	3.25	5900	13	2800	5.275	11605	21.525	20305
36	3.15	5800	12	2400	5.275	11605	20.425	19805
37	3.15	5800	12	2400	5.275	11605	20.425	19805
38	3	5700	12	2400	5.275	11605	20.275	19705
39	3.15	5800	12.25	2500	5.275	11605	20.675	19905
40	3.75	6100	13	2800	5.275	11605	22.025	20505
41								
42								
43								
Total	126.65	232120	490.65	101000	211.00	464200	828.3	797320

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 180 PERFORMED BY: [illegible]

DATE: 7/31/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5750	12.10	2490				
2	3.10	5790	12.10	2450				
3	3	5700	12.10	2470				
4	3.10	5780	12	2400				
5	3.10	5730	12.10	2450				
6	3	5700	12.15	2560				
7	3.10	5720	12.15	2530				
8	3.15	5840	12.10	2490				
9	3.10	5750	12.15	2500				
10	3	5700	12.10	2460				
11	3.10	5810	12.10	2470				
12	3.10	5740	12	2400				
13	3.10	5770	12.10	2470				
14	3.10	5750	12	2400				
15	3.15	5820	12.10	2460				
16	3.10	5780	12.15	2510				
17	3.10	5720	12.10	2470				
18	3	5700	12.15	2540				
19	3.15	5850	12.10	2540				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 180 PERFORMED BY: [illegible]

DATE: 7 13 11 00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5750	12.10	2490				
21	3.15	5810	12.10	2450				
22	3.15	5800	12.25	2650				
23	3.20	5840	12.15	2570				
24	3.10	5720	12.10	2420				
25								
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # M180 PERFORMED BY: _____

DATE: 7/3/100 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.15	5800	1250	2600				
2	3.25	5900	1275	2700				
3	3.50	6000	1200	2400				
4	3.50	6000	1300	2800				
5	3.15	5800	1200	2400				
6	3.75	6100	1250	2600				
7	3.00	5700	1175	2300				
8	3.15	5800	1300	2800				
9	3.25	5900	1275	2700				
10	3.15	5800	1300	2800				
11	3.25	5900	1300	2800				
12	3.15	5800	1200	2400				
13	3.15	5800	1200	2400				
14	3.00	5700	1200	2400				
15	3.15	5800	1225	2500				
16	3.75	6100	1300	2800				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
M180	8/1/00	8/1/00	0		46.30
		8/2/00	1	67.80	53.70
		8/3/00	2	62.97	63.40
		8/4/00	3	66.57	59.87
		8/5/00	4	67.67	61.63
		8/6/00	5	64.83	62.23
		8/7/00	6	66.10	62.37
		8/8/00	7	66.53	63.30
		8/9/00	8	71.17	62.63
		8/10/00	9	69.80	65.83
		8/11/00	10	69.93	61.83
		8/12/00	11	64.50	61.37
		8/13/00	12	65.87	62.57
		8/14/00	13	68.27	60.43
		8/15/00	14	66.10	62.57
		8/16/00	15	66.90	62.63
		8/17/00	16	67.83	60.63

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M180	8/1/00	8/1/00	0		9.30
		8/2/00	1	9.87	10.07
		8/3/00	2	8.80	10.03
		8/4/00	3	4.90	6.73
		8/5/00	4	7.30	14.43
		8/6/00	5	12.60	14.70
		8/7/00	6	11.17	20.20
		8/8/00	7	11.20	14.00
		8/9/00	8	5.93	11.70
		8/10/00	9	5.23	3.90
		8/11/00	10	6.13	9.23
		8/12/00	11	9.00	9.27
		8/13/00	12	9.63	14.07
		8/14/00	13	5.93	2.03
		8/15/00	14	1.63	10.73
		8/16/00	15	4.20	1.83
		8/17/00	16	3.90	3.17

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M180	8/1/00	8/1/00	0		60.36
		8/2/00	1		41.00
		8/3/00	2		41.56
		8/4/00	3		
		8/5/00	4		
		8/6/00	5		
		8/7/00	6		36.80
		8/8/00	7		37.78
		8/9/00	8		38.48
		8/10/00	9		42.12
		8/11/00	10		
		8/12/00	11		
		8/13/00	12		
		8/14/00	13		33.58
		8/15/00	14		
		8/16/00	15		33.80
		8/17/00	16		

All average MWHC values are expressed in percent

Windrow Number: M180 *1,3,5-TRINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
135TNB	08/01/00	08/18/00	17	03	1	LT 500	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 03 :			*469*
135TNB	08/01/00	08/18/00	17	05	1	LT 454	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 05 :			*454*
135TNB	08/01/00	08/18/00	17	07	1	LT 454	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*485*
135TNB	08/01/00	08/18/00	17	09	1	LT 454	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*469*
135TNB	08/01/00	08/18/00	17	11	1	LT 476	
					2	LT 454	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 17 : ***471***

Standard Deviation: ***20***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M180 *1,3-DINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
13DNB	08/01/00	08/18/00	17	03	1	LT 500	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 03 :			*469*
13DNB	08/01/00	08/18/00	17	05	1	LT 454	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 05 :			*454*
13DNB	08/01/00	08/18/00	17	07	1	LT 454	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*485*
13DNB	08/01/00	08/18/00	17	09	1	LT 454	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*469*
13DNB	08/01/00	08/18/00	17	11	1	LT 476	
					2	LT 454	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 17 : ***471***

Standard Deviation: ***20***

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M180 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	08/01/00	08/18/00	17	03	1	LT	500	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*469*
246TNT	08/01/00	08/18/00	17	05	1	LT	454	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*454*
246TNT	08/01/00	08/18/00	17	07	1	LT	454	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*485*
246TNT	08/01/00	08/18/00	17	09	1	LT	454	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*469*
246TNT	08/01/00	08/18/00	17	11	1	LT	476	
					2	LT	454	
					3		132 J	
				Average Concentration for Cross Section 11 :				*354*

Average Concentration for Windrow on Day 17 : ***446***

Standard Deviation: ***89***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M180 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	08/01/00	08/18/00	17	03	1	LT 500	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 03 :			*469*
24DNT	08/01/00	08/18/00	17	05	1	LT 454	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 05 :			*454*
24DNT	08/01/00	08/18/00	17	07	1	LT 454	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*485*
24DNT	08/01/00	08/18/00	17	09	1	LT 454	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*469*
24DNT	08/01/00	08/18/00	17	11	1	LT 476	
					2	LT 454	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 17 : ***471***

Standard Deviation: ***20***

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M180 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
26DNT	08/01/00	08/18/00	17	03	1	LT	500	
					2	LT	454	
					3	LT	454	
					Average Concentration for Cross Section 03 :			*469*
26DNT	08/01/00	08/18/00	17	05	1	LT	454	
					2	LT	454	
					3	LT	454	
					Average Concentration for Cross Section 05 :			*454*
26DNT	08/01/00	08/18/00	17	07	1	LT	454	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 07 :			*485*
26DNT	08/01/00	08/18/00	17	09	1	LT	454	
					2	LT	476	
					3	LT	476	
					Average Concentration for Cross Section 09 :			*469*
26DNT	08/01/00	08/18/00	17	11	1	LT	476	
					2	LT	454	
					3	LT	500	
					Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 17 : ***471***

Standard Deviation: ***20***

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M180 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	08/01/00	08/18/00	17	03	1	LT 500	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 03 :			*469*
2A46DT	08/01/00	08/18/00	17	05	1	LT 454	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 05 :			*454*
2A46DT	08/01/00	08/18/00	17	07	1	LT 454	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*485*
2A46DT	08/01/00	08/18/00	17	09	1	LT 454	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*469*
2A46DT	08/01/00	08/18/00	17	11	1	LT 476	
					2	LT 454	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 17 : ***471***

Standard Deviation: ***20***

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M180 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	08/01/00	08/18/00	17	03	1	LT 500	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 03 :			*469*
2NT	08/01/00	08/18/00	17	05	1	LT 454	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 05 :			*454*
2NT	08/01/00	08/18/00	17	07	1	LT 454	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*485*
2NT	08/01/00	08/18/00	17	09	1	LT 454	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*469*
2NT	08/01/00	08/18/00	17	11	1	LT 476	
					2	LT 454	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 17 : ***471***

Standard Deviation: ***20***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: M180 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	08/01/00	08/18/00	17	03	1	LT	500
					2	LT	454
					3	LT	454
				Average Concentration for Cross Section 03 :			*469*
3NT	08/01/00	08/18/00	17	05	1	LT	454
					2	LT	454
					3	LT	454
				Average Concentration for Cross Section 05 :			*454*
3NT	08/01/00	08/18/00	17	07	1	LT	454
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*485*
3NT	08/01/00	08/18/00	17	09	1	LT	454
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 09 :			*469*
3NT	08/01/00	08/18/00	17	11	1	LT	476
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 17 : ***471***

Standard Deviation: ***20***

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: M180 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
HMX	08/01/00	08/18/00	17	03	1	LT	500	
					2		2680	
					3		771	
				Average Concentration for Cross Section 03 :				*1317*
HMX	08/01/00	08/18/00	17	05	1		427 J	
					2		255 J	
					3		2730	
				Average Concentration for Cross Section 05 :				*1137*
HMX	08/01/00	08/18/00	17	07	1	LT	454	
					2	LT	500	
					3		1040	
				Average Concentration for Cross Section 07 :				*665*
HMX	08/01/00	08/18/00	17	09	1		200 J	
					2	LT	476	
					3		2980	
				Average Concentration for Cross Section 09 :				*1219*
HMX	08/01/00	08/18/00	17	11	1	LT	476	
					2		306 J	
					3		8280	
				Average Concentration for Cross Section 11 :				*3021*

Average Concentration for Windrow on Day 17 : ***1472***

Standard Deviation: ***2118***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M180 *NITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
NB	08/01/00	08/18/00	17	03	1	LT 500	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 03 :			*469*
NB	08/01/00	08/18/00	17	05	1	LT 454	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 05 :			*454*
NB	08/01/00	08/18/00	17	07	1	LT 454	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*485*
NB	08/01/00	08/18/00	17	09	1	LT 454	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*469*
NB	08/01/00	08/18/00	17	11	1	LT 476	
					2	LT 454	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 17 : ***471***

Standard Deviation: ***20***

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M180 *RDX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
RDX	08/01/00	08/18/00	17	03	1	LT	500	
					2		1510	
					3		6010	
				Average Concentration for Cross Section 03 :				*2673*
RDX	08/01/00	08/18/00	17	05	1		352 J	
					2	LT	454	
					3		1900	
				Average Concentration for Cross Section 05 :				*902*
RDX	08/01/00	08/18/00	17	07	1	LT	454	
					2	LT	500	
					3		1090	
				Average Concentration for Cross Section 07 :				*681*
RDX	08/01/00	08/18/00	17	09	1	LT	454	
					2	LT	476	
					3		1460	
				Average Concentration for Cross Section 09 :				*797*
RDX	08/01/00	08/18/00	17	11	1	LT	476	
					2	LT	454	
					3		13200	
				Average Concentration for Cross Section 11 :				*4710*

Average Concentration for Windrow on Day 17 : ***1953***

Standard Deviation: ***3426***

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M180 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
TETRYL	08/01/00	08/18/00	17	03	1	LT 500	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 03 :			*469*
TETRYL	08/01/00	08/18/00	17	05	1	LT 454	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 05 :			*454*
TETRYL	08/01/00	08/18/00	17	07	1	LT 454	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*485*
TETRYL	08/01/00	08/18/00	17	09	1	LT 454	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*469*
TETRYL	08/01/00	08/18/00	17	11	1	LT 476	
					2	LT 454	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 17 : ***471***

Standard Deviation: ***20***

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-181 Day 0: 8/9/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5780	12.15	2540	5.275	11605	20.525	19925
2	3.1	5730	12	2400	5.275	11605	20.375	19735
3	3.1	5780	12.1	2450	5.275	11605	20.475	19835
4	3	5700	12.1	2430	5.275	11605	20.375	19735
5	3.15	5810	12.15	2520	5.275	11605	20.575	19935
6	3.1	5780	12.1	2470	5.275	11605	20.475	19855
7	3.25	5900	12.1	2410	5.275	11605	20.625	19915
8	3.1	5740	12	2470	5.275	11605	20.375	19815
9	3.15	5820	12.15	2550	5.275	11605	20.575	19975
10	3	5720	12.15	2590	5.275	11605	20.425	19915
11	3.1	5770	12.15	2570	5.275	11605	20.525	19945
12	3	5700	12.1	2460	5.275	11605	20.375	19765
13	3.1	5780	12.15	2510	5.275	11605	20.525	19895
14	3.1	5720	12.1	2420	5.275	11605	20.475	19745
15	3.1	5790	12.25	2630	5.275	11605	20.625	20025
16	3.1	5710	12.1	2440	5.275	11605	20.475	19755
17	3	5700	12.1	2490	5.275	11605	20.375	19795
18	3.1	5750	12.15	2540	5.275	11605	20.525	19895
19	3.15	5820	12.15	2570	5.275	11605	20.575	19995
20	3.1	5740	12.1	2440	5.275	11605	20.475	19785
21	3.25	5800	12.75	2800	5.275	11605	21.275	20205
22	3	5700	12.5	2700	5.275	11605	20.775	20005
23	3.25	5800	12	2400	5.275	11605	20.525	19805
24	3.25	5800	12	2400	5.275	11605	20.525	19805
25	3	5700	12.1	2420	5.275	11605	20.375	19725
26	3.1	5720	12.1	2480	5.275	11605	20.475	19805
27	3.15	5850	12.5	2700	5.275	11605	20.925	20155
28	3	5700	12.25	2600	5.275	11605	20.525	19905
29	3.1	5750	12.1	2470	5.275	11605	20.475	19825
30	3.15	5860	12.1	2490	5.275	11605	20.525	19955
31	3.15	5820	12.1	2440	5.275	11605	20.525	19865
32	3	5700	12.1	2460	5.275	11605	20.375	19765
33	3.1	5790	12	2400	5.275	11605	20.375	19795
34	3.15	5330	12.1	2470	5.275	11605	20.525	19405
35	2.9	5600	12	2400	5.275	11605	20.175	19605
36	3	5700	12	2400	5.275	11605	20.275	19705
37	3.15	5800	12.25	2600	5.275	11605	20.675	20005
38	2.95	5650	12.5	2700	5.275	11605	20.725	19955
39	3.1	5770	12.1	2440	5.275	11605	20.475	19815
40	3.15	5790	12.15	2560	5.275	11605	20.575	19955
41								
42								
43								
Total	123.8	229870	486.05	100230	211.00	464200	820.85	794300

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 181 PERFORMED BY: [illegible]

DATE: 8/8/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5780	12.15	2540				
2	3.10	5730	12	2400				
3	3.10	5780	12.10	2450				
4	3	5700	12.10	2430				
5	3.15	5810	12.15	2520				
6	3.10	5780	12.10	2470				
7	3.25	5900	12.10	2410				
8	3.10	5740	12.00	2470				
9	3.15	5820	12.15	2550				
10	3	5720	12.15	2590				
11	3.10	5770	12.15	2570				
12	3	5700	12.10	2460				
13	3.10	5780	12.15	2510				
14	3.10	5720	12.10	2420				
15	3.10	5790	12.25	2630				
16	3.10	5770	12.10	2440				
17	3	5700	12.10	2490				
18	3.10	5750	12.15	2540				
19	3.15	5820	12.15	2570				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building #1121 Windrow # 181 PERFORMED BY: Yuan d

DATE: 8/9/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5760 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.1	5740	12.10	2440				
21	3.25	5800	12.75	2800				
22	3.00	5700	12.5	2700				
23	3.25	5800	12.00	2400				
24	3.25	5800	12.0	2400				
25	3.00	5700	12.10	2420				
26	3.10	5720	12.10	2480				
27	3.15	5850	12.5	2700				
28	3.00	5700	12.25	2600				
29	3.10	5750	12.10	2470				
30	3.15	5860	12.10	2490				
31	3.15	5820	12.10	2480				
32	3	5700	12.10	2460				
33	3.10	5790	12	2400				
34	2.15	5830	12.10	2470				
35	2.9	5600	12.00	2400				
36	3.00	5700	12.00	2400				
37	3.15	5800	12.25	2600				
38	2.95	5650	12.5	2700				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 181 PERFORMED BY: [illegible]

DATE: 8/9/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
39	3.10	5770	12.10	2440				
40	3.15	5790	12.15	2560				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
M181	8/9/00	8/9/00	0		40.57
		8/10/00	1	55.50	53.73
		8/11/00	2	63.40	58.40
		8/12/00	3	61.73	60.07
		8/13/00	4	63.00	58.37
		8/14/00	5	69.33	59.03
		8/15/00	6	69.73	62.17
		8/16/00	7	68.90	63.67
		8/17/00	8	68.63	62.67
		8/18/00	9	69.73	63.23
		8/19/00	10	62.23	62.20
		8/20/00	11	66.53	60.40
		8/21/00	12	68.37	60.20
		8/22/00	13	66.23	62.37
		8/23/00	14	65.67	60.70

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M181	8/9/00	8/9/00	0		8.77
		8/10/00	1	2.33	3.87
		8/11/00	2	2.43	18.13
		8/12/00	3		12.00
		8/13/00	4	11.93	15.53
		8/14/00	5	9.20	8.23
		8/15/00	6	5.57	11.87
		8/16/00	7	3.80	4.50
		8/17/00	8	6.73	6.40
		8/18/00	9	9.77	3.47
		8/19/00	10	12.23	11.37
		8/20/00	11	9.53	9.53
		8/21/00	12	6.00	7.27
		8/22/00	13	1.97	13.17
		8/23/00	14	10.63	19.83

All average Oxygen values are expressed as a percent

Friday, June 28, 2002

Average Daily Windrow WHC Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (%)	POST-Turn (%)
M181	8/9/00	8/9/00	0		49.46
		8/10/00	1		48.00
		8/11/00	2		
		8/12/00	3		
		8/13/00	4		
		8/14/00	5		44.64
		8/15/00	6		
		8/16/00	7		43.94
		8/17/00	8		
		8/18/00	9		41.58
		8/19/00	10		
		8/20/00	11		
		8/21/00	12		39.16
		8/22/00	13		
		8/23/00	14		37.16

All average MWHC values are expressed in percent

Windrow Number: M181 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	08/09/00	08/24/00	15	03	1	LT	500
					2	LT	500
					3	LT	476
					Average Concentration for Cross Section 03 :		*492*
135TNB	08/09/00	08/24/00	15	05	1	LT	476
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 05 :		*484*
135TNB	08/09/00	08/24/00	15	07	1	LT	476
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 07 :		*492*
135TNB	08/09/00	08/24/00	15	09	1	LT	476
					2	LT	500
					3	LT	454
					Average Concentration for Cross Section 09 :		*477*
135TNB	08/09/00	08/24/00	15	11	1	LT	500
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 11 :		*492*

Average Concentration for Windrow on Day 15 : 487

Standard Deviation: 15

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	08/09/00	06/14/01	309	1	1	LT	476
					3	LT	455
					5	LT	455
					Average Concentration for Cross Section 1 :		*462*
135TNB	08/09/00	06/14/01	309	2	1	LT	476
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 2 :		*476*
135TNB	08/09/00	06/14/01	309	3	1	LT	455
					3	LT	435
					5	LT	455
					Average Concentration for Cross Section 3 :		*448*
135TNB	08/09/00	06/14/01	309	4	1	LT	476
					3	LT	455
					5	LT	476
					Average Concentration for Cross Section 4 :		*469*
135TNB	08/09/00	06/14/01	309	5	1	LT	454
					3	LT	476
					5	LT	454
					Average Concentration for Cross Section 5 :		*461*

Average Concentration for Windrow on Day 309 : 463

Standard Deviation: 13

Percent Reduction of 135TNB: 4.92%

Windrow Number: M181 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
13DNB	08/09/00	08/24/00	15	03	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 03 :			*492*
13DNB	08/09/00	08/24/00	15	05	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 05 :			*484*
13DNB	08/09/00	08/24/00	15	07	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*492*
13DNB	08/09/00	08/24/00	15	09	1	LT	476
					2	LT	500
					3	LT	454
				Average Concentration for Cross Section 09 :			*477*
13DNB	08/09/00	08/24/00	15	11	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 15 : ***487***

Standard Deviation: ***15***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
13DNB	08/09/00	06/14/01	309	1	1	LT	476
					3	LT	455
					5	LT	455
				Average Concentration for Cross Section 1 :			*462*
13DNB	08/09/00	06/14/01	309	2	1	LT	476
					3	LT	476
					5	LT	476
				Average Concentration for Cross Section 2 :			*476*
13DNB	08/09/00	06/14/01	309	3	1	LT	455
					3	LT	435
					5	LT	455
				Average Concentration for Cross Section 3 :			*448*
13DNB	08/09/00	06/14/01	309	4	1	LT	476
					3	LT	455
					5	LT	476
				Average Concentration for Cross Section 4 :			*469*
13DNB	08/09/00	06/14/01	309	5	1	LT	454
					3	LT	476
					5	LT	454
				Average Concentration for Cross Section 5 :			*461*

Average Concentration for Windrow on Day 309 : ***463***

Standard Deviation: ***13***

Percent Reduction of 13DNB: 4.92%

Windrow Number: M181 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
246TNT	08/09/00	08/24/00	15	03	1		10.8 J	
					2	LT	500	
					3	LT	476	
					Average Concentration for Cross Section 03 :			*329*
246TNT	08/09/00	08/24/00	15	05	1	LT	476	
					2	LT	476	
					3	LT	500	
					Average Concentration for Cross Section 05 :			*484*
246TNT	08/09/00	08/24/00	15	07	1	LT	476	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 07 :			*492*
246TNT	08/09/00	08/24/00	15	09	1	LT	476	
					2	LT	500	
					3		1020	
					Average Concentration for Cross Section 09 :			*665*
246TNT	08/09/00	08/24/00	15	11	1	LT	500	
					2	LT	476	
					3		953	
					Average Concentration for Cross Section 11 :			*643*

Average Concentration for Windrow on Day 15 : 523

Standard Deviation: 225

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
246TNT	08/09/00	06/14/01	309	1	1	LT	476	
					3	LT	455	
					5	LT	455	
					Average Concentration for Cross Section 1 :			*462*
246TNT	08/09/00	06/14/01	309	2	1	LT	476	
					3	LT	476	
					5		405 J	
					Average Concentration for Cross Section 2 :			*452*
246TNT	08/09/00	06/14/01	309	3	1	LT	455	
					3	LT	435	
					5	LT	455	
					Average Concentration for Cross Section 3 :			*448*
246TNT	08/09/00	06/14/01	309	4	1	LT	476	
					3	LT	455	
					5	LT	476	
					Average Concentration for Cross Section 4 :			*469*
246TNT	08/09/00	06/14/01	309	5	1		2680	
					3		395 J	
					5	LT	454	
					Average Concentration for Cross Section 5 :			*1176*

Average Concentration for Windrow on Day 309 : 602

Standard Deviation: 576

Percent Reduction of 246TNT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M181 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	08/09/00	08/24/00	15	03	1	LT	500
					2	LT	500
					3	LT	476
					Average Concentration for Cross Section 03 :		*492*
24DNT	08/09/00	08/24/00	15	05	1	LT	476
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 05 :		*484*
24DNT	08/09/00	08/24/00	15	07	1	LT	476
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 07 :		*492*
24DNT	08/09/00	08/24/00	15	09	1	LT	476
					2	LT	500
					3	LT	454
					Average Concentration for Cross Section 09 :		*477*
24DNT	08/09/00	08/24/00	15	11	1	LT	500
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 11 :		*492*

Average Concentration for Windrow on Day 15 : 487

Standard Deviation: 15

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	08/09/00	06/14/01	309	1	1	LT	476
					3	LT	455
					5	LT	455
					Average Concentration for Cross Section 1 :		*462*
24DNT	08/09/00	06/14/01	309	2	1	LT	476
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 2 :		*476*
24DNT	08/09/00	06/14/01	309	3	1	LT	455
					3	LT	435
					5	LT	455
					Average Concentration for Cross Section 3 :		*448*
24DNT	08/09/00	06/14/01	309	4	1	LT	476
					3	LT	455
					5	LT	476
					Average Concentration for Cross Section 4 :		*469*
24DNT	08/09/00	06/14/01	309	5	1	LT	454
					3	LT	476
					5	LT	454
					Average Concentration for Cross Section 5 :		*461*

Average Concentration for Windrow on Day 309 : 463

Standard Deviation: 13

Percent Reduction of 24DNT: 4.92%

Windrow Number: M181 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	08/09/00	08/24/00	15	03	1	LT	500
					2	LT	500
					3	LT	476
					Average Concentration for Cross Section 03 :		*492*
26DNT	08/09/00	08/24/00	15	05	1	LT	476
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 05 :		*484*
26DNT	08/09/00	08/24/00	15	07	1	LT	476
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 07 :		*492*
26DNT	08/09/00	08/24/00	15	09	1	LT	476
					2	LT	500
					3	LT	454
					Average Concentration for Cross Section 09 :		*477*
26DNT	08/09/00	08/24/00	15	11	1	LT	500
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 11 :		*492*

Average Concentration for Windrow on Day 15 : 487

Standard Deviation: 15

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	08/09/00	06/14/01	309	1	1	LT	476
					3	LT	455
					5	LT	455
					Average Concentration for Cross Section 1 :		*462*
26DNT	08/09/00	06/14/01	309	2	1	LT	476
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 2 :		*476*
26DNT	08/09/00	06/14/01	309	3	1	LT	455
					3	LT	435
					5	LT	455
					Average Concentration for Cross Section 3 :		*448*
26DNT	08/09/00	06/14/01	309	4	1	LT	476
					3	LT	455
					5	LT	476
					Average Concentration for Cross Section 4 :		*469*
26DNT	08/09/00	06/14/01	309	5	1	LT	454
					3	LT	476
					5	LT	454
					Average Concentration for Cross Section 5 :		*461*

Average Concentration for Windrow on Day 309 : 463

Standard Deviation: 13

Percent Reduction of 26DNT: 4.92%

Windrow Number: M181 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	08/09/00	08/24/00	15	03	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 03 :			*492*
2A46DT	08/09/00	08/24/00	15	05	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 05 :			*484*
2A46DT	08/09/00	08/24/00	15	07	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*492*
2A46DT	08/09/00	08/24/00	15	09	1	LT	476
					2	LT	500
					3	LT	454
				Average Concentration for Cross Section 09 :			*477*
2A46DT	08/09/00	08/24/00	15	11	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 15 : 487

Standard Deviation: 15

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	08/09/00	06/14/01	309	1	1	LT	476
					3	LT	455
					5	LT	455
				Average Concentration for Cross Section 1 :			*462*
2A46DT	08/09/00	06/14/01	309	2	1	LT	476
					3	LT	476
					5		74.2 J
				Average Concentration for Cross Section 2 :			*342*
2A46DT	08/09/00	06/14/01	309	3	1	LT	455
					3		71.8 J
					5	LT	455
				Average Concentration for Cross Section 3 :			*327*
2A46DT	08/09/00	06/14/01	309	4	1	LT	476
					3	LT	455
					5		76.2 J
				Average Concentration for Cross Section 4 :			*336*
2A46DT	08/09/00	06/14/01	309	5	1		121 J
					3	LT	476
					5	LT	454
				Average Concentration for Cross Section 5 :			*350*

Average Concentration for Windrow on Day 309 : 363

Standard Deviation: 174

Percent Reduction of 2A46DT: 25.41%

Windrow Number: M181 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	08/09/00	08/24/00	15	03	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*492*
2NT	08/09/00	08/24/00	15	05	1	LT 476	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*484*
2NT	08/09/00	08/24/00	15	07	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*492*
2NT	08/09/00	08/24/00	15	09	1	LT 476	
					2	LT 500	
					3	LT 454	
				Average Concentration for Cross Section 09 :			*477*
2NT	08/09/00	08/24/00	15	11	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 15 : 487

Standard Deviation: 15

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	08/09/00	06/14/01	309	1	1	LT 476	
					3	LT 455	
					5	LT 455	
				Average Concentration for Cross Section 1 :			*462*
2NT	08/09/00	06/14/01	309	2	1	LT 476	
					3	LT 476	
					5	LT 476	
				Average Concentration for Cross Section 2 :			*476*
2NT	08/09/00	06/14/01	309	3	1	LT 455	
					3	LT 435	
					5	LT 455	
				Average Concentration for Cross Section 3 :			*448*
2NT	08/09/00	06/14/01	309	4	1	LT 476	
					3	LT 455	
					5	LT 476	
				Average Concentration for Cross Section 4 :			*469*
2NT	08/09/00	06/14/01	309	5	1	LT 454	
					3	LT 476	
					5	LT 454	
				Average Concentration for Cross Section 5 :			*461*

Average Concentration for Windrow on Day 309 : 463

Standard Deviation: 13

Percent Reduction of 2NT: 4.92%

Windrow Number: M181 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	08/09/00	08/24/00	15	03	1	LT	500
					2	LT	500
					3	LT	476
					Average Concentration for Cross Section 03 :		*492*
3NT	08/09/00	08/24/00	15	05	1	LT	476
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 05 :		*484*
3NT	08/09/00	08/24/00	15	07	1	LT	476
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 07 :		*492*
3NT	08/09/00	08/24/00	15	09	1	LT	476
					2	LT	500
					3	LT	454
					Average Concentration for Cross Section 09 :		*477*
3NT	08/09/00	08/24/00	15	11	1	LT	500
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 11 :		*492*

Average Concentration for Windrow on Day 15 : 487

Standard Deviation: 15

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	08/09/00	06/14/01	309	1	1	LT	476
					3	LT	455
					5	LT	455
					Average Concentration for Cross Section 1 :		*462*
3NT	08/09/00	06/14/01	309	2	1	LT	476
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 2 :		*476*
3NT	08/09/00	06/14/01	309	3	1	LT	455
					3	LT	435
					5	LT	455
					Average Concentration for Cross Section 3 :		*448*
3NT	08/09/00	06/14/01	309	4	1	LT	476
					3	LT	455
					5	LT	476
					Average Concentration for Cross Section 4 :		*469*
3NT	08/09/00	06/14/01	309	5	1	LT	454
					3	LT	476
					5	LT	454
					Average Concentration for Cross Section 5 :		*461*

Average Concentration for Windrow on Day 309 : 463

Standard Deviation: 13

Percent Reduction of 3NT: 4.92%

Windrow Number: M181 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	08/09/00	08/24/00	15	03	1	LT	500
					2	LT	500
					3	LT	476
					Average Concentration for Cross Section 03 :		*492*
4A26DT	08/09/00	08/24/00	15	05	1	LT	476
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 05 :		*484*
4A26DT	08/09/00	08/24/00	15	07	1	LT	476
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 07 :		*492*
4A26DT	08/09/00	08/24/00	15	09	1	LT	476
					2	LT	500
					3	LT	454
					Average Concentration for Cross Section 09 :		*477*
4A26DT	08/09/00	08/24/00	15	11	1	LT	500
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 11 :		*492*

Average Concentration for Windrow on Day 15 : 487

Standard Deviation: 15

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	08/09/00	06/14/01	309	1	1	LT	476
					3	LT	455
					5	LT	455
					Average Concentration for Cross Section 1 :		*462*
4A26DT	08/09/00	06/14/01	309	2	1	LT	476
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 2 :		*476*
4A26DT	08/09/00	06/14/01	309	3	1	LT	455
					3	LT	435
					5	LT	455
					Average Concentration for Cross Section 3 :		*448*
4A26DT	08/09/00	06/14/01	309	4	1	LT	476
					3	LT	455
					5		125 J
					Average Concentration for Cross Section 4 :		*352*
4A26DT	08/09/00	06/14/01	309	5	1		137 J
					3		177 J
					5	LT	454
					Average Concentration for Cross Section 5 :		*256*

Average Concentration for Windrow on Day 309 : 399

Standard Deviation: 132

Percent Reduction of 4A26DT: 18.15%

Windrow Number: M181 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	08/09/00	08/24/00	15	03	1	LT	500
					2	LT	500
					3	LT	476
					Average Concentration for Cross Section 03 :		*492*
4NT	08/09/00	08/24/00	15	05	1	LT	476
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 05 :		*484*
4NT	08/09/00	08/24/00	15	07	1	LT	476
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 07 :		*492*
4NT	08/09/00	08/24/00	15	09	1	LT	476
					2	LT	500
					3	LT	454
					Average Concentration for Cross Section 09 :		*477*
4NT	08/09/00	08/24/00	15	11	1	LT	500
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 11 :		*492*

Average Concentration for Windrow on Day 15 : 487

Standard Deviation: 15

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	08/09/00	06/14/01	309	1	1	LT	476
					3	LT	455
					5	LT	455
					Average Concentration for Cross Section 1 :		*462*
4NT	08/09/00	06/14/01	309	2	1	LT	476
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 2 :		*476*
4NT	08/09/00	06/14/01	309	3	1	LT	455
					3	LT	435
					5	LT	455
					Average Concentration for Cross Section 3 :		*448*
4NT	08/09/00	06/14/01	309	4	1	LT	476
					3	LT	455
					5	LT	476
					Average Concentration for Cross Section 4 :		*469*
4NT	08/09/00	06/14/01	309	5	1	LT	454
					3	LT	476
					5	LT	454
					Average Concentration for Cross Section 5 :		*461*

Average Concentration for Windrow on Day 309 : 463

Standard Deviation: 13

Percent Reduction of 4NT: 4.92%

Windrow Number: M181 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
HMX	08/09/00	08/24/00	15	03	1	LT	500	
					2		2490	
					3		2900	
					Average Concentration for Cross Section 03 :			*1963*
HMX	08/09/00	08/24/00	15	05	1	LT	476	
					2		3760	
					3	LT	500	
					Average Concentration for Cross Section 05 :			*1579*
HMX	08/09/00	08/24/00	15	07	1	LT	476	
					2		1700	
					3	LT	500	
					Average Concentration for Cross Section 07 :			*892*
HMX	08/09/00	08/24/00	15	09	1	LT	476	
					2		2520	
					3		274 J	
					Average Concentration for Cross Section 09 :			*1090*
HMX	08/09/00	08/24/00	15	11	1	LT	500	
					2		580	
					3		1420	
					Average Concentration for Cross Section 11 :			*833*

Average Concentration for Windrow on Day 15 : 1271

Standard Deviation: 1129

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
HMX	08/09/00	06/14/01	309	1	1		247 J	
					3		169 J	
					5	LT	455	
					Average Concentration for Cross Section 1 :			*290*
HMX	08/09/00	06/14/01	309	2	1	LT	476	
					3	LT	476	
					5		479	
					Average Concentration for Cross Section 2 :			*477*
HMX	08/09/00	06/14/01	309	3	1		59.5 J	
					3		44.6 J	
					5	LT	455	
					Average Concentration for Cross Section 3 :			*186*
HMX	08/09/00	06/14/01	309	4	1	LT	476	
					3	LT	455	
					5	LT	476	
					Average Concentration for Cross Section 4 :			*469*
HMX	08/09/00	06/14/01	309	5	1		1050	
					3		90.1 J	
					5	LT	454	
					Average Concentration for Cross Section 5 :			*531*

Average Concentration for Windrow on Day 309 : 391

Standard Deviation: 250

Percent Reduction of HMX: 69.26%

Windrow Number: M181 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	08/09/00	08/24/00	15	03	1	LT	500
					2	LT	500
					3	LT	476
					Average Concentration for Cross Section 03 :		*492*
NB	08/09/00	08/24/00	15	05	1	LT	476
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 05 :		*484*
NB	08/09/00	08/24/00	15	07	1	LT	476
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 07 :		*492*
NB	08/09/00	08/24/00	15	09	1	LT	476
					2	LT	500
					3	LT	454
					Average Concentration for Cross Section 09 :		*477*
NB	08/09/00	08/24/00	15	11	1	LT	500
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 11 :		*492*

Average Concentration for Windrow on Day 15 : 487

Standard Deviation: 15

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	08/09/00	06/14/01	309	1	1	LT	476
					3	LT	455
					5	LT	455
					Average Concentration for Cross Section 1 :		*462*
NB	08/09/00	06/14/01	309	2	1	LT	476
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 2 :		*476*
NB	08/09/00	06/14/01	309	3	1	LT	455
					3	LT	435
					5	LT	455
					Average Concentration for Cross Section 3 :		*448*
NB	08/09/00	06/14/01	309	4	1	LT	476
					3	LT	455
					5	LT	476
					Average Concentration for Cross Section 4 :		*469*
NB	08/09/00	06/14/01	309	5	1	LT	454
					3	LT	476
					5	LT	454
					Average Concentration for Cross Section 5 :		*461*

Average Concentration for Windrow on Day 309 : 463

Standard Deviation: 13

Percent Reduction of NB: 4.92%

Windrow Number: M181 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
RDX	08/09/00	08/24/00	15	03	1	LT 500	
					2	6660	
					3	37200	
					Average Concentration for Cross Section 03 :		*14787*
RDX	08/09/00	08/24/00	15	05	1	LT 476	
					2	29300	
					3	LT 500	
					Average Concentration for Cross Section 05 :		*10092*
RDX	08/09/00	08/24/00	15	07	1	LT 476	
					2	1160	
					3	302 J	
					Average Concentration for Cross Section 07 :		*646*
RDX	08/09/00	08/24/00	15	09	1	LT 476	
					2	13100	
					3	1040	
					Average Concentration for Cross Section 09 :		*4872*
RDX	08/09/00	08/24/00	15	11	1	LT 500	
					2	96.7 J	
					3	522	
					Average Concentration for Cross Section 11 :		*373*

Average Concentration for Windrow on Day 15 : 6154

Standard Deviation: 11633

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
RDX	08/09/00	06/14/01	309	1	1	96.8 J	
					3	243 J	
					5	LT 455	
					Average Concentration for Cross Section 1 :		*265*
RDX	08/09/00	06/14/01	309	2	1	205 J	
					3	199 J	
					5	3050	
					Average Concentration for Cross Section 2 :		*1151*
RDX	08/09/00	06/14/01	309	3	1	197 J	
					3	545	
					5	LT 455	
					Average Concentration for Cross Section 3 :		*399*
RDX	08/09/00	06/14/01	309	4	1	LT 476	
					3	88.6 J	
					5	1820	
					Average Concentration for Cross Section 4 :		*795*
RDX	08/09/00	06/14/01	309	5	1	1970	
					3	289 J	
					5	LT 454	
					Average Concentration for Cross Section 5 :		*904*

Average Concentration for Windrow on Day 309 : 703

Standard Deviation: 866

Percent Reduction of RDX: 88.58%

Windrow Number: M181 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	08/09/00	08/24/00	15	03	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 03 :			*492*
TETRYL	08/09/00	08/24/00	15	05	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 05 :			*484*
TETRYL	08/09/00	08/24/00	15	07	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*492*
TETRYL	08/09/00	08/24/00	15	09	1	LT	476
					2	LT	500
					3	LT	454
				Average Concentration for Cross Section 09 :			*477*
TETRYL	08/09/00	08/24/00	15	11	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 15 : 487

Standard Deviation: 15

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	08/09/00	06/14/01	309	1	1	LT	476
					3	LT	455
					5	LT	455
				Average Concentration for Cross Section 1 :			*462*
TETRYL	08/09/00	06/14/01	309	2	1	LT	476
					3	LT	476
					5	LT	476
				Average Concentration for Cross Section 2 :			*476*
TETRYL	08/09/00	06/14/01	309	3	1	LT	455
					3	LT	435
					5	LT	455
				Average Concentration for Cross Section 3 :			*448*
TETRYL	08/09/00	06/14/01	309	4	1	LT	476
					3	LT	455
					5	LT	476
				Average Concentration for Cross Section 4 :			*469*
TETRYL	08/09/00	06/14/01	309	5	1	LT	454
					3	LT	476
					5	LT	454
				Average Concentration for Cross Section 5 :			*461*

Average Concentration for Windrow on Day 309 : 463

Standard Deviation: 13

Percent Reduction of TETRYL: 4.92%

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-182 Day 0: 8/11/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.2	6000	12.25	2600	5.275	11605	20.725	20205
2	3.2	6000	12.3	2800	5.275	11605	20.775	20405
3	3.2	6000	12.3	2800	5.275	11605	20.775	20405
4	3.1	5800	12	2400	5.275	11605	20.375	19805
5	3.1	5800	12.25	2700	5.275	11605	20.625	20105
6	3	5700	12.1	2500	5.275	11605	20.375	19805
7	3.15	5900	12.25	2700	5.275	11605	20.675	20205
8	3.15	5780	12.25	2840	5.275	11605	20.675	20225
9	3.1	5740	12.15	2580	5.275	11605	20.525	19925
10	3.1	5790	12.2	2640	5.275	11605	20.575	20035
11	3	5700	12.1	2410	5.275	11605	20.375	19715
12	3.1	5760	12	2400	5.275	11605	20.375	19765
13	3.2	6000	12	2400	5.275	11605	20.475	20005
14	3.2	6000	12.25	2600	5.275	11605	20.725	20205
15	3.15	5900	12	2400	5.275	11605	20.425	19905
16	3.2	5000	12	2400	5.275	11605	20.475	19005
17	3.1	5800	12.25	2700	5.275	11605	20.625	20105
18	3	5700	12.25	2700	5.275	11605	20.525	20005
19	3.1	5800	12.5	2900	5.275	11605	20.875	20305
20	3.25	5900	12	2400	5.275	11605	20.525	19905
21	3.15	5800	12	2400	5.275	11605	20.425	19805
22	3	5700	12	2400	5.275	11605	20.275	19705
23	3.15	5800	12.15	2500	5.275	11605	20.575	19905
24	3.2	5850	11.85	2300	5.275	11605	20.325	19755
25	3.25	5900	12.15	2500	5.275	11605	20.675	20005
26	3.2	5800	12	2400	5.275	11605	20.475	19805
27	3	5700	12	2400	5.275	11605	20.275	19705
28	3.2	5800	12	2400	5.275	11605	20.475	19805
29	3.2	5800	11.85	2300	5.275	11605	20.325	19705
30	2.9	5600	12.15	2500	5.275	11605	20.325	19705
31	3	5700	12.15	2500	5.275	11605	20.425	19805
32	2.9	5600	12	2400	5.275	11605	20.175	19605
33	3	5700	12.15	2500	5.275	11605	20.425	19805
34	3.1	5750	12.1	2470	5.275	11605	20.475	19825
35	3.15	5840	12	2400	5.275	11605	20.425	19845
36	3.1	5760	12.1	2450	5.275	11605	20.475	19815
37	3	5700	12.1	2470	5.275	11605	20.375	19775
38	3.1	5770	12.1	2460	5.275	11605	20.475	19835
39	3.1	5790	12.15	2510	5.275	11605	20.525	19905
40					5.275	11605	5.275	11605
41								
42								
43								
Total	121.3	225430	472.4	98130	211.00	464200	804.7	787760

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 182 PERFORMED BY: [illegible]

DATE: 8/10/00 INSPECTED BY: _____

Design Quantity: Chicken Manure _____ CY 5700 Pounds 1900
Straw 12 CY 2400 Pounds 200
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.20	6000	12.25	2600				
2	3.20	6000	12.30	2800				
3	3.20	6000	12.30	2800				
4	3.1	5800	12	2400				
5	3.1	5800	12.25	2700				
6	3.0	5200	12.1	2500				
7	3.15	5900	12.25	2700				
8	3.10	5780	12.25	2840				
9	3.10	5740	12.15	2580				
10	3.10	5790	12.20	2640				
11	3	5700	12.10	2410				
12	3.10	5760	12	2400				
13	3.20	6000	12	2400				
14	3.20	6000	12.25	2600				
15	3.15	5900	12	2400				
16	3.20	6000	12	2400				
17	3.1	5800	12.25	2700				
18	3.0	5700	12.25	2700				
19	3.1	5800	12.5	2900				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 182 PERFORMED BY: [illegible]

DATE: 8/11/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 2 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.25	5900	12.0	2400				
21	3.15	5800	12.0	2400				
22	3.0	5700	12.0	2400				
23	3.15	5800	12.15	2500				
24	3.2	5850	11.85	2300				
25	3.25	5900	12.15	2500				
26	3.2	5800	12.0	2400				
27	3.0	5700	12.0	2400				
28	3.2	5800	12.0	2400				
29	3.2	5800	11.85	2300				
30	2.9	5600	12.15	2500				
31	3.0	5700	12.15	2500				
32	2.9	5600	12.00	2400				
33	3	5700	12.15	2500				
34	3.10	5750	12.10	2470				
35	3.15	5840	12	2400				
36	3.10	5760	12.10	2450				
37	3	5700	12.10	2470				
38								
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # S Windrow # 182 PERFORMED BY: [illegible]

DATE: 8/11/100 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
39	3.10	5770	12.10	2460				
40	3.10	5790	12.15	2510				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
S182	8/11/00	8/11/00	0		47.40
		8/12/00	1	56.23	55.87
		8/13/00	2	62.63	58.70
		8/14/00	3	67.23	61.27
		8/15/00	4	69.73	63.07
		8/16/00	5	67.23	62.70
		8/17/00	6	69.30	61.70
		8/18/00	7	69.67	65.13
		8/19/00	8	64.13	59.90
		8/20/00	9	65.67	61.23
		8/21/00	10	68.83	63.87
		8/22/00	11	68.23	63.57
		8/23/00	12	68.47	61.77
		8/24/00	13	67.80	61.37

All average temperatures are in degrees centigrade

Friday, June 28, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S182	8/11/00	8/11/00	0		9.13
		8/12/00	1	3.97	8.70
		8/13/00	2	8.07	13.30
		8/14/00	3	6.33	5.13
		8/15/00	4	11.27	9.47
		8/16/00	5	8.80	19.00
		8/17/00	6	7.53	8.20
		8/18/00	7	9.10	3.87
		8/19/00	8	7.63	14.73
		8/20/00	9	9.77	11.37
		8/21/00	10	7.53	3.13
		8/22/00	11	2.03	3.90
		8/23/00	12	20.07	19.70
		8/24/00	13	19.03	2.97

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S182	8/11/00	8/11/00	0		49.88
		8/12/00	1		
		8/13/00	2		
		8/14/00	3		46.36
		8/15/00	4		46.94
		8/16/00	5		
		8/17/00	6		
		8/18/00	7		37.32
		8/19/00	8		
		8/20/00	9		
		8/21/00	10		35.34
		8/22/00	11		
		8/23/00	12		37.06
		8/24/00	13		

All average MWHC values are expressed in percent

Windrow Number: S182 *1,3,5-TRINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
135TNB	08/11/00	08/25/00	14	03	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*492*
135TNB	08/11/00	08/25/00	14	05	1	LT	454	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*485*
135TNB	08/11/00	08/25/00	14	07	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*484*
135TNB	08/11/00	08/25/00	14	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
135TNB	08/11/00	08/25/00	14	11	1	LT	476	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*477*

Average Concentration for Windrow on Day 14 : ***486***

Standard Deviation: *17*

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: S182 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
13DNB	08/11/00	08/25/00	14	03	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*492*
13DNB	08/11/00	08/25/00	14	05	1	LT 454	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*485*
13DNB	08/11/00	08/25/00	14	07	1	LT 476	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*484*
13DNB	08/11/00	08/25/00	14	09	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*492*
13DNB	08/11/00	08/25/00	14	11	1	LT 476	
					2	LT 454	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 14 : ***486***

Standard Deviation: ***17***

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: S182 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	08/11/00	08/25/00	14	03	1	LT	500	
					2		2420	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*1140*
246TNT	08/11/00	08/25/00	14	05	1	LT	454	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*485*
246TNT	08/11/00	08/25/00	14	07	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*484*
246TNT	08/11/00	08/25/00	14	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
246TNT	08/11/00	08/25/00	14	11	1	LT	476	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*477*

Average Concentration for Windrow on Day 14 : 615

Standard Deviation: 499

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S182

2,4-DINITROTOLUENE Results

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
24DNT	08/11/00	08/25/00	14	03	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*492*
24DNT	08/11/00	08/25/00	14	05	1	LT	454	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*485*
24DNT	08/11/00	08/25/00	14	07	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*484*
24DNT	08/11/00	08/25/00	14	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
24DNT	08/11/00	08/25/00	14	11	1	LT	476	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*477*

Average Concentration for Windrow on Day 14 : 486

Standard Deviation: 17

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S182 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
26DNT	08/11/00	08/25/00	14	03	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*492*
26DNT	08/11/00	08/25/00	14	05	1	LT	454	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*485*
26DNT	08/11/00	08/25/00	14	07	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*484*
26DNT	08/11/00	08/25/00	14	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
26DNT	08/11/00	08/25/00	14	11	1	LT	476	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*477*

Average Concentration for Windrow on Day 14 : ***486***

Standard Deviation: *17*

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: S182 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	08/11/00	08/25/00	14	03	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 03 :			*492*
2A46DT	08/11/00	08/25/00	14	05	1	LT	454
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*485*
2A46DT	08/11/00	08/25/00	14	07	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 07 :			*484*
2A46DT	08/11/00	08/25/00	14	09	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*492*
2A46DT	08/11/00	08/25/00	14	11	1	LT	476
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 14 : ***486***

Standard Deviation: ***17***

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: S182 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	08/11/00	08/25/00	14	03	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*492*
2NT	08/11/00	08/25/00	14	05	1	LT 454	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*485*
2NT	08/11/00	08/25/00	14	07	1	LT 476	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*484*
2NT	08/11/00	08/25/00	14	09	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*492*
2NT	08/11/00	08/25/00	14	11	1	LT 476	
					2	LT 454	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 14 : ***486***

Standard Deviation: *17*

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: S182 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
3NT	08/11/00	08/25/00	14	03	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*492*
3NT	08/11/00	08/25/00	14	05	1	LT	454	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*485*
3NT	08/11/00	08/25/00	14	07	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*484*
3NT	08/11/00	08/25/00	14	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
3NT	08/11/00	08/25/00	14	11	1	LT	476	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*477*

Average Concentration for Windrow on Day 14 : 486

Standard Deviation: 17

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: S182 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4A26DT	08/11/00	08/25/00	14	03	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 03 :			*492*
4A26DT	08/11/00	08/25/00	14	05	1	LT	454
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*485*
4A26DT	08/11/00	08/25/00	14	07	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 07 :			*484*
4A26DT	08/11/00	08/25/00	14	09	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*492*
4A26DT	08/11/00	08/25/00	14	11	1	LT	476
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 14 : ***486***

Standard Deviation: *17*

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: S182 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	08/11/00	08/25/00	14	03	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*492*
4NT	08/11/00	08/25/00	14	05	1	LT 454	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*485*
4NT	08/11/00	08/25/00	14	07	1	LT 476	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*484*
4NT	08/11/00	08/25/00	14	09	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*492*
4NT	08/11/00	08/25/00	14	11	1	LT 476	
					2	LT 454	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 14 : 486

Standard Deviation: 17

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: S182 *HMX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
HMX	08/11/00	08/25/00	14	03	1	LT	500	
					2		1370	
					3		334 J	
				Average Concentration for Cross Section 03 :				*735*
HMX	08/11/00	08/25/00	14	05	1		5300	
					2		195 J	
					3		3080	
				Average Concentration for Cross Section 05 :				*2858*
HMX	08/11/00	08/25/00	14	07	1	LT	476	
					2	LT	476	
					3		595	
				Average Concentration for Cross Section 07 :				*516*
HMX	08/11/00	08/25/00	14	09	1	LT	476	
					2		443 J	
					3		1000	
				Average Concentration for Cross Section 09 :				*640*
HMX	08/11/00	08/25/00	14	11	1	LT	476	
					2		1050	
					3		2170	
				Average Concentration for Cross Section 11 :				*1232*

Average Concentration for Windrow on Day 14 : 1196

Standard Deviation: 1380

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: S182 *NITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
NB	08/11/00	08/25/00	14	03	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 03 :			*492*
NB	08/11/00	08/25/00	14	05	1	LT	454
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*485*
NB	08/11/00	08/25/00	14	07	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 07 :			*484*
NB	08/11/00	08/25/00	14	09	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*492*
NB	08/11/00	08/25/00	14	11	1	LT	476
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 14 : ***486***

Standard Deviation: *17*

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: S182 *RDX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
RDX	08/11/00	08/25/00	14	03	1	380 J	
					2	1680	
					3	2320	
				Average Concentration for Cross Section 03 :			*1460*
RDX	08/11/00	08/25/00	14	05	1	11600	
					2	171 J	
					3	7020	
				Average Concentration for Cross Section 05 :			*6264*
RDX	08/11/00	08/25/00	14	07	1	LT 476	
					2	278 J	
					3	2110	
				Average Concentration for Cross Section 07 :			*955*
RDX	08/11/00	08/25/00	14	09	1	LT 476	
					2	772	
					3	2050	
				Average Concentration for Cross Section 09 :			*1099*
RDX	08/11/00	08/25/00	14	11	1	LT 476	
					2	805	
					3	1490	
				Average Concentration for Cross Section 11 :			*924*

Average Concentration for Windrow on Day 14 : 2140

Standard Deviation: 3121

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: S182 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
TETRYL	08/11/00	08/25/00	14	03	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 03 :			*492*
TETRYL	08/11/00	08/25/00	14	05	1	LT	454
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*485*
TETRYL	08/11/00	08/25/00	14	07	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 07 :			*484*
TETRYL	08/11/00	08/25/00	14	09	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*492*
TETRYL	08/11/00	08/25/00	14	11	1	LT	476
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 14 : 486

Standard Deviation: 17

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-183 Day 0: 8/18/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5750	12.1	2430	5.275	11605	20.475	19785
2	3.1	5770	12.1	2490	5.275	11605	20.475	19865
3	3.1	5730	12.1	2460	5.275	11605	20.475	19795
4	3	5700	12.15	2520	5.275	11605	20.425	19825
5	3.1	5720	12.15	2500	5.275	11605	20.525	19825
6	3.1	5740	12.1	2490	5.275	11605	20.475	19835
7	3.5	5870	12.1	2450	5.275	11605	20.875	19925
8	3	5700	12.1	2460	5.275	11605	20.375	19765
9	3.15	5810	12.1	2470	5.275	11605	20.525	19885
10	3.1	5750	12.15	2490	5.275	11605	20.525	19845
11	3.15	5820	12.15	2500	5.275	11605	20.575	19925
12	3.1	5770	12.15	2560	5.275	11605	20.525	19935
13	3	5710	12.1	2440	5.275	11605	20.375	19755
14	3.1	5750	12.15	2530	5.275	11605	20.525	19885
15	3.1	5790	12.15	2560	5.275	11605	20.525	19955
16	3.1	5740	12.1	2480	5.275	11605	20.475	19825
17	3	5700	12	2400	5.275	11605	20.275	19705
18	3.15	5820	12.1	2480	5.275	11605	20.525	19905
19	3.1	5710	12.1	2480	5.275	11605	20.475	19795
20	3	5700	13.1	2440	5.275	11605	21.375	19745
21	3.15	5810	12.1	2470	5.275	11605	20.525	19885
22	3.1	5720	12	2400	5.275	11605	20.375	19725
23	3.1	5740	12.15	2530	5.275	11605	20.525	19875
24	3.15	5840	12.1	2420	5.275	11605	20.525	19865
25	3.1	5770	12.1	2490	5.275	11605	20.475	19865
26	3.1	5720	12.1	2470	5.275	11605	20.475	19795
27	3.1	5750	12.1	2430	5.275	11605	20.475	19785
28	3	5700	11.9	2300	5.275	11605	20.175	19605
29	3.15	5800	12	2400	5.275	11605	20.425	19805
30	2.9	5600	12.75	2700	5.275	11605	20.925	19905
31	3	5700	12.25	2500	5.275	11605	20.525	19805
32	3	5700	12	2400	5.275	11605	20.275	19705
33	2.9	5800	12.5	2800	5.275	11605	20.675	20205
34	3.1	5740	12.25	2560	5.275	11605	20.625	19905
35	3.15	5800	12	2410	5.275	11605	20.425	19815
36	2.9	5600	12.5	2600	5.275	11605	20.675	19805
37	2.9	5600	12	2400	5.275	11605	20.175	19605
38	3.15	5800	12	2400	5.275	11605	20.425	19805
39	3	5700	12	2400	5.275	11605	20.275	19705
40	3	5700	12.25	2500	5.275	11605	20.525	19805
41								
42								
43								
Total	123	229640	486.3	99210	211.00	464200	820.3	793050

RECORD OF RECIPE (MIX NO. 7B)

Building # S Fm Windrow # 183 PERFORMED BY: Howard

DATE: 8 1 100 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5750	12.10	2430				
2	3.10	5770	12.10	2490				
3	3.10	5730	12.10	2460				
4	3	5700	12.15	2520				
5	3.10	5720	12.15	2500				
6	3.10	5740	12.10	2490				
7	3.15	5870	12.10	2450				
8	3	5700	12.10	2460				
9	3.15	5810	12.10	2470				
10	3.10	5750	12.15	2490				
11	3.15	5820	12.15	2500				
12	3.10	5770	12.15	2560				
13	3	5710	12.10	2440				
14	3.10	5730	12.15	2530				
15	3.10	5790	12.15	2590				
16	3.10	5740	12.10	2430				
17	3	5700	12	2400				
18	3.15	5820	12.10	2490				
19	3.10	5710	12.10	2480				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

uilding # MS Windrow # 183 PERFORMED BY: [illegible]

ATE: 8/1/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3	5700	12.10	2440				
21	3.15	5810	12.10	2470				
22	3.10	5720	12	2400				
23	3.10	5740	12.15	2530				
24	3.15	5840	12.10	2420				
25	3.10	5770	12.10	2490				
26	3.10	5720	12.10	2470				
27	3.10	5750	12.10	2430				
Total								

omments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 3 Windrow # 183 PERFORMED BY: _____

DATE: 8/17/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.0	5700	11.90	2300				
2	3.15	5800	12.00	2400				
3	2.90	5600	12.75	2700				
4	3.0	5700	12.25	2500				
5	3.0	5700	12.00	2400				
6	2.9	5600	12.5	2600				
7	3.1	5740	12.25	2560				
8	3.15	5800	12.00	2410				
9	2.90	5600	12.5	2600				
10	2.90	5600	12.0	2400				
11	3.15	5800	12.0	2400				
12	3.0	5700	12.00	2400				
13	3.0	5700	12.25	2500				
14								
15								
16								
17								
18								
19								
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
S183	8/18/00	8/18/00	0		43.00
		8/19/00	1	58.77	59.23
		8/20/00	2	62.60	60.03
		8/21/00	3	65.63	61.37
		8/22/00	4	67.47	61.80
		8/23/00	5	66.97	60.53
		8/24/00	6	67.67	62.37
		8/25/00	7	67.50	60.40
		8/26/00	8	65.57	59.97
		8/27/00	9	66.10	60.00
		8/28/00	10	67.10	62.70
		8/29/00	11	95.40	62.33

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S183	8/18/00	8/18/00	0		12.07
		8/19/00	1	9.33	12.17
		8/20/00	2	8.73	10.66
		8/21/00	3	7.77	5.47
		8/22/00	4	5.93	8.00
		8/23/00	5	17.27	19.77
		8/24/00	6	9.20	7.53
		8/25/00	7	5.37	9.30
		8/26/00	8	18.90	18.90
		8/27/00	9	13.80	19.83
		8/28/00	10	20.17	10.27
		8/29/00	11	20.17	4.32

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S183	8/18/00	8/18/00	0		51.88
		8/19/00	1		
		8/20/00	2		
		8/21/00	3		49.06
		8/22/00	4		
		8/23/00	5		44.10
		8/24/00	6		
		8/25/00	7		42.30
		8/26/00	8		
		8/27/00	9		
		8/28/00	10		
		8/29/00	11		

All average MWHC values are expressed in percent

Windrow Number: S183 *1,3,5-TRINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
135TNB	08/18/00	08/30/00	12	03	1	LT 476	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*476*
135TNB	08/18/00	08/30/00	12	05	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 05 :			*484*
135TNB	08/18/00	08/30/00	12	07	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*492*
135TNB	08/18/00	08/30/00	12	09	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*492*
135TNB	08/18/00	08/30/00	12	11	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 12 : ***487***

Standard Deviation: ***12***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: S183 *1,3-DINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
13DNB	08/18/00	08/30/00	12	03	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*476*
13DNB	08/18/00	08/30/00	12	05	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*484*
13DNB	08/18/00	08/30/00	12	07	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*492*
13DNB	08/18/00	08/30/00	12	09	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*492*
13DNB	08/18/00	08/30/00	12	11	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 12 : ***487***

Standard Deviation: ***12***

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: S183 *2,4,6-TRINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*		*Concentration*	UGKG
246TNT	08/18/00	08/30/00	12	03	1		296 J	
					2		379 J	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*384*
246TNT	08/18/00	08/30/00	12	05	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*484*
246TNT	08/18/00	08/30/00	12	07	1	LT	476	
					2	LT	500	
					3		1870	
				Average Concentration for Cross Section 07 :				*949*
246TNT	08/18/00	08/30/00	12	09	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*492*
246TNT	08/18/00	08/30/00	12	11	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 12 : 560

Standard Deviation: 367

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S183 **2,4-DINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	08/18/00	08/30/00	12	03	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*476*
24DNT	08/18/00	08/30/00	12	05	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*484*
24DNT	08/18/00	08/30/00	12	07	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*492*
24DNT	08/18/00	08/30/00	12	09	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*492*
24DNT	08/18/00	08/30/00	12	11	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 12 : ***487***

Standard Deviation: ***12***

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S183 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
26DNT	08/18/00	08/30/00	12	03	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*476*
26DNT	08/18/00	08/30/00	12	05	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*484*
26DNT	08/18/00	08/30/00	12	07	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*492*
26DNT	08/18/00	08/30/00	12	09	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*492*
26DNT	08/18/00	08/30/00	12	11	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 12 : ***487***

Standard Deviation: ***12***

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: S183 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	08/18/00	08/30/00	12	03	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*476*
2A46DT	08/18/00	08/30/00	12	05	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*484*
2A46DT	08/18/00	08/30/00	12	07	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*492*
2A46DT	08/18/00	08/30/00	12	09	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*492*
2A46DT	08/18/00	08/30/00	12	11	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 12 : ***487***

Standard Deviation: ***12***

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: S183 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	08/18/00	08/30/00	12	03	1	LT 476	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*476*
2NT	08/18/00	08/30/00	12	05	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 05 :			*484*
2NT	08/18/00	08/30/00	12	07	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*492*
2NT	08/18/00	08/30/00	12	09	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*492*
2NT	08/18/00	08/30/00	12	11	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 12 : ***487***

Standard Deviation: ***12***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: S183 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
3NT	08/18/00	08/30/00	12	03	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*476*
3NT	08/18/00	08/30/00	12	05	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*484*
3NT	08/18/00	08/30/00	12	07	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*492*
3NT	08/18/00	08/30/00	12	09	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*492*
3NT	08/18/00	08/30/00	12	11	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 12 : ***487***

Standard Deviation: ***12***

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: S183 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4A26DT	08/18/00	08/30/00	12	03	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 03 :			*476*
4A26DT	08/18/00	08/30/00	12	05	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 05 :			*484*
4A26DT	08/18/00	08/30/00	12	07	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*492*
4A26DT	08/18/00	08/30/00	12	09	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 09 :			*492*
4A26DT	08/18/00	08/30/00	12	11	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 12 : ***487***

Standard Deviation: ***12***

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: S183 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	08/18/00	08/30/00	12	03	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 03 :			*476*
4NT	08/18/00	08/30/00	12	05	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 05 :			*484*
4NT	08/18/00	08/30/00	12	07	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*492*
4NT	08/18/00	08/30/00	12	09	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 09 :			*492*
4NT	08/18/00	08/30/00	12	11	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 12 : ***487***

Standard Deviation: ***12***

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: S183 ***HMX Results***

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
HMX	08/18/00	08/30/00	12	03	1	LT	476	
					2		1570	
					3		940	
				Average Concentration for Cross Section 03 :				*995*
HMX	08/18/00	08/30/00	12	05	1	LT	500	
					2	LT	476	
					3		6150	
				Average Concentration for Cross Section 05 :				*2375*
HMX	08/18/00	08/30/00	12	07	1	LT	476	
					2		1380	
					3		8410	
				Average Concentration for Cross Section 07 :				*3422*
HMX	08/18/00	08/30/00	12	09	1		1200	
					2		3600	
					3		6600	
				Average Concentration for Cross Section 09 :				*3800*
HMX	08/18/00	08/30/00	12	11	1		476 J	
					2	LT	476	
					3		11300	
				Average Concentration for Cross Section 11 :				*4084*

Average Concentration for Windrow on Day 12 : ***2935***

Standard Deviation: ***3501***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: S183 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	08/18/00	08/30/00	12	03	1	LT 476	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*476*
NB	08/18/00	08/30/00	12	05	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 05 :			*484*
NB	08/18/00	08/30/00	12	07	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*492*
NB	08/18/00	08/30/00	12	09	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*492*
NB	08/18/00	08/30/00	12	11	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 12 : ***487***

Standard Deviation: ***12***

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: S183 *RDX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*		*Concentration*	UGKG
RDX	08/18/00	08/30/00	12	03	1		1280	
					2		3020	
					3		1960	
				Average Concentration for Cross Section 03 :				*2087*
RDX	08/18/00	08/30/00	12	05	1	LT	500	
					2		1360	
					3		17000	
				Average Concentration for Cross Section 05 :				*6287*
RDX	08/18/00	08/30/00	12	07	1	LT	476	
					2		9890	
					3		21400	
				Average Concentration for Cross Section 07 :				*10589*
RDX	08/18/00	08/30/00	12	09	1		376 J	
					2		16100	
					3		14600	
				Average Concentration for Cross Section 09 :				*10359*
RDX	08/18/00	08/30/00	12	11	1		2470	
					2	LT	476	
					3		28400	
				Average Concentration for Cross Section 11 :				*10449*

Average Concentration for Windrow on Day 12 : ***7954***

Standard Deviation: ***9251***

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: S183 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
TETRYL	08/18/00	08/30/00	12	03	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 03 :			*476*
TETRYL	08/18/00	08/30/00	12	05	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 05 :			*484*
TETRYL	08/18/00	08/30/00	12	07	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*492*
TETRYL	08/18/00	08/30/00	12	09	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 09 :			*492*
TETRYL	08/18/00	08/30/00	12	11	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 12 : ***487***

Standard Deviation: ***12***

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-184 Day 0: 8/25/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5750	12.15	2530	5.275	11605	20.525	19885
2	3.1	5770	12.1	2450	5.275	11605	20.475	19825
3	3.15	5820	12.1	2490	5.275	11605	20.525	19915
4	3.1	5720	12.1	2460	5.275	11605	20.475	19785
5	3.1	5770	12.15	2590	5.275	11605	20.525	19965
6	3.1	5810	12.15	2500	5.275	11605	20.525	19915
7	3.1	5710	12.1	2420	5.275	11605	20.475	19735
8	3.1	5760	12.1	2490	5.275	11605	20.475	19855
9	3.15	5840	12.1	2420	5.275	11605	20.525	19865
10	3.1	5780	12.15	2560	5.275	11605	20.525	19945
11	3.1	5720	12.1	2470	5.275	11605	20.475	19795
12	3.1	5760	12	2400	5.275	11605	20.375	19765
13	3.15	5830	12.1	2450	5.275	11605	20.525	19885
14	3	5700	12.1	2490	5.275	11605	20.375	19795
15	3.1	5770	12.2	2640	5.275	11605	20.575	20015
16	3.1	5790	12.1	2440	5.275	11605	20.475	19835
17	3.1	5720	12.15	2550	5.275	11605	20.525	19875
18	3.15	5840	12.1	2490	5.275	11605	20.525	19935
19	3	5700	12.1	2450	5.275	11605	20.375	19755
20	3.1	5750	12	2400	5.275	11605	20.375	19755
21	3.1	5720	12.1	2470	5.275	11605	20.475	19795
22	3.15	5870	12.1	2450	5.275	11605	20.525	19925
23	3.1	5730	12	2400	5.275	11605	20.375	19735
24	3.1	5740	12.1	2480	5.275	11605	20.475	19825
25	3	5700	12.1	2450	5.275	11605	20.375	19755
26	3.15	5820	12.1	2470	5.275	11605	20.525	19895
27	3.1	5710	12.15	2510	5.275	11605	20.525	19825
28	3	5700	12.5	2600	5.275	11605	20.775	19905
29	3	5700	12.75	2700	5.275	11605	21.025	20005
30	3.15	5800	12.5	2600	5.275	11605	20.925	20005
31	3	5700	12	2400	5.275	11605	20.275	19705
32	3	5700	12.75	2700	5.275	11605	21.025	20005
33	3.25	5900	12	2400	5.275	11605	20.525	19905
34	3.25	5900	12.75	2700	5.275	11605	21.275	20205
35	3.15	5800	13	2800	5.275	11605	21.425	20205
36	3.25	5900	12.5	2600	5.275	11605	21.025	20105
37	3.15	5800	12.25	2500	5.275	11605	20.675	19905
38	3	5700	12	2400	5.275	11605	20.275	19705
39	3.25	5900	12.75	2700	5.275	11605	21.275	20205
40	3	5700	12.75	2700	5.275	11605	21.025	20005
41								
42								
43								
Total	124.15	230800	489.3	100720	211.00	464200	824.45	795720

2935

SOP 3.0 FIGURE 2a Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # 31 Windrow # M184 PERFORMED BY: Howard

DATE: 8 12 4 00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5750	12.15	2530				
2	3.10	5770	12.10	2450				
3	3.15	5820	12.10	2490				
4	3.10	5730	12.10	2460				
5	3.10	5770	12.15	2590				
6	3.10	5810	12.15	2500				
7	3.10	5710	12.10	2420				
8	3.10	5760	12.10	2490				
9	3.15	5840	12.10	2420				
10	3.10	5780	12.15	2560				
11	3.10	5720	12.10	2470				
12	3.10	5760	12	2460				
13	3.15	5830	12.10	2450				
14	3	5700	12.10	2470				
15	3.10	5770	12.20	2610				
16	3.10	5790	12.10	2440				
17	3.15	5720	12.15	2550				
18	3.15	5840	12.10	2490				
19	3	5700	12.10	2450				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 184 PERFORMED BY: [illegible]

DATE: 8/24/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5750	12	2400				
21	3.10	5720	12.10	2470				
22	3.15	5870	12.10	2450				
23	3.10	5730	12	2400				
24	3.10	5740	12.10	2480				
25	3	5700	12.10	2450				
26	3.15	5820	12.10	2470				
27	3.10	5710	12.15	2510				
Total								

Comments:

SOP 3.0 FIGURE 2a Revised 02/25/98 768112

RECORD OF RECIPE (MIX NO. 7B)

Building # 7M Windrow # M183 PERFORMED BY: Ricky

DATE: 8/12/00 INSPECTED BY: /

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier:		STRAW Supplier:		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5700	1250	2600				
2	3	5700	1275	2700				
3	3.15	5800	1250	2600				
4	3.00	5700	1200	2400				
5	3.00	5700	1275	2700				
6	3.25	5900	1200	2400				
7	3.25	5900	1275	2700				
8	3.15	5800	1300	2800				
9	3.25	5900	1250	2600				
10	3.15	5800	1225	2500				
11	3	5700	12	2400				
12	3.25	5900	1275	2700				
13	3	5700	1275	2700				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
M184	8/25/00	8/25/00	0		41.13
		8/26/00	1	53.87	50.57
		8/27/00	2	63.17	58.07
		8/28/00	3	66.30	64.10
		8/29/00	4	67.83	63.00
		8/30/00	5	68.63	62.80
		8/31/00	6	69.40	64.30
		9/1/00	7	69.50	62.93
		9/2/00	8	64.17	60.63
		9/3/00	9	68.10	60.97
		9/5/00	11	66.57	58.77
		9/6/00	12	67.70	62.07

All average temperatures are in degrees centigrade

Friday, June 28, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M184	8/25/00	8/25/00	0		4.87
		8/26/00	1	14.53	15.90
		8/27/00	2	18.97	19.30
		8/28/00	3	16.07	15.33
		8/29/00	4	19.53	4.16
		8/30/00	5	8.87	3.95
		8/31/00	6	5.67	7.20
		9/1/00	7	3.60	5.13
		9/2/00	8	10.70	12.17
		9/3/00	9	11.47	13.10
		9/5/00	11	10.50	8.80
		9/6/00	12	6.13	4.50

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M184	8/25/00	8/25/00	0		47.42
		8/26/00	1		
		8/27/00	2		
		8/28/00	3		
		8/29/00	4		44.38
		8/30/00	5		
		8/31/00	6		41.12
		9/1/00	7		
		9/2/00	8		
		9/3/00	9		
		9/5/00	11		
		9/6/00	12		

All average MWHC values are expressed in percent

Windrow Number: M184 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	08/25/00	09/07/00	13	03	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*492*
135TNB	08/25/00	09/07/00	13	05	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*484*
135TNB	08/25/00	09/07/00	13	07	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*484*
135TNB	08/25/00	09/07/00	13	09	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*476*
135TNB	08/25/00	09/07/00	13	11	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 13 : ***484***

Standard Deviation: ***12***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M184 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	08/25/00	09/07/00	13	03	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*492*
13DNB	08/25/00	09/07/00	13	05	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*484*
13DNB	08/25/00	09/07/00	13	07	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*484*
13DNB	08/25/00	09/07/00	13	09	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*476*
13DNB	08/25/00	09/07/00	13	11	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 13 : ***484***

Standard Deviation: ***12***

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M184 **2,4,6-TRINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	08/25/00	09/07/00	13	03	1		871	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*616*
246TNT	08/25/00	09/07/00	13	05	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*484*
246TNT	08/25/00	09/07/00	13	07	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*484*
246TNT	08/25/00	09/07/00	13	09	1	LT	476	
					2	LT	476	
					3		322 J	
				Average Concentration for Cross Section 09 :				*425*
246TNT	08/25/00	09/07/00	13	11	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 13 : 498

Standard Deviation: 112

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M184 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
24DNT	08/25/00	09/07/00	13	03	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*492*
24DNT	08/25/00	09/07/00	13	05	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*484*
24DNT	08/25/00	09/07/00	13	07	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*484*
24DNT	08/25/00	09/07/00	13	09	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*476*
24DNT	08/25/00	09/07/00	13	11	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 13 : 484

Standard Deviation: 12

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M184 **2,6-DINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
26DNT	08/25/00	09/07/00	13	03	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*492*
26DNT	08/25/00	09/07/00	13	05	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*484*
26DNT	08/25/00	09/07/00	13	07	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*484*
26DNT	08/25/00	09/07/00	13	09	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*476*
26DNT	08/25/00	09/07/00	13	11	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 13 : 484

Standard Deviation: 12

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M184 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
2A46DT	08/25/00	09/07/00	13	03	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*492*
2A46DT	08/25/00	09/07/00	13	05	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*484*
2A46DT	08/25/00	09/07/00	13	07	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*484*
2A46DT	08/25/00	09/07/00	13	09	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*476*
2A46DT	08/25/00	09/07/00	13	11	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 13 : 484

Standard Deviation: 12

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M184 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	08/25/00	09/07/00	13	03	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*492*
2NT	08/25/00	09/07/00	13	05	1	LT 476	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 05 :			*484*
2NT	08/25/00	09/07/00	13	07	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*484*
2NT	08/25/00	09/07/00	13	09	1	LT 476	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*476*
2NT	08/25/00	09/07/00	13	11	1	LT 476	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 13 : 484

Standard Deviation: 12

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: M184 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
3NT	08/25/00	09/07/00	13	03	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 03 :			*492*
3NT	08/25/00	09/07/00	13	05	1	LT	476
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 05 :			*484*
3NT	08/25/00	09/07/00	13	07	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 07 :			*484*
3NT	08/25/00	09/07/00	13	09	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 09 :			*476*
3NT	08/25/00	09/07/00	13	11	1	LT	476
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 13 : 484

Standard Deviation: 12

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: M184 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	08/25/00	09/07/00	13	03	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*492*
4A26DT	08/25/00	09/07/00	13	05	1	LT 476	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 05 :			*484*
4A26DT	08/25/00	09/07/00	13	07	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*484*
4A26DT	08/25/00	09/07/00	13	09	1	LT 476	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*476*
4A26DT	08/25/00	09/07/00	13	11	1	LT 476	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 13 : 484

Standard Deviation: 12

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M184 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4NT	08/25/00	09/07/00	13	03	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 03 :			*492*
4NT	08/25/00	09/07/00	13	05	1	LT	476
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 05 :			*484*
4NT	08/25/00	09/07/00	13	07	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 07 :			*484*
4NT	08/25/00	09/07/00	13	09	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 09 :			*476*
4NT	08/25/00	09/07/00	13	11	1	LT	476
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 13 : 484

Standard Deviation: 12

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M184 ***HMX Results***

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
HMX	08/25/00	09/07/00	13	03	1	1450	
					2	2460	
					3	8360	
				Average Concentration for Cross Section 03 :			*4090*
HMX	08/25/00	09/07/00	13	05	1	LT 476	
					2	1520	
					3	2240	
				Average Concentration for Cross Section 05 :			*1412*
HMX	08/25/00	09/07/00	13	07	1	LT 500	
					2	6210	
					3	3410	
				Average Concentration for Cross Section 07 :			*3373*
HMX	08/25/00	09/07/00	13	09	1	LT 476	
					2	826	
					3	886	
				Average Concentration for Cross Section 09 :			*729*
HMX	08/25/00	09/07/00	13	11	1	224 J	
					2	251 J	
					3	280 J	
				Average Concentration for Cross Section 11 :			*252*

Average Concentration for Windrow on Day 13 : ***1971***

Standard Deviation: ***2385***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M184

NITROBENZENE Results

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
NB	08/25/00	09/07/00	13	03	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*492*
NB	08/25/00	09/07/00	13	05	1	LT 476	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 05 :			*484*
NB	08/25/00	09/07/00	13	07	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*484*
NB	08/25/00	09/07/00	13	09	1	LT 476	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*476*
NB	08/25/00	09/07/00	13	11	1	LT 476	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 13 : 484

Standard Deviation: 12

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M184 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
RDX	08/25/00	09/07/00	13	03	1		6240	
					2		1930	
					3		13700	
					Average Concentration for Cross Section 03 :			*7290*
RDX	08/25/00	09/07/00	13	05	1	LT	476	
					2		1860	
					3		9800	
					Average Concentration for Cross Section 05 :			*4045*
RDX	08/25/00	09/07/00	13	07	1		1060	
					2		9940	
					3		4810	
					Average Concentration for Cross Section 07 :			*5270*
RDX	08/25/00	09/07/00	13	09	1	LT	476	
					2		435 J	
					3		1300	
					Average Concentration for Cross Section 09 :			*737*
RDX	08/25/00	09/07/00	13	11	1		218 J	
					2		152 J	
					3		101 J	
					Average Concentration for Cross Section 11 :			*157*

Average Concentration for Windrow on Day 13 : 3500

Standard Deviation: 4404

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M184 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
TETRYL	08/25/00	09/07/00	13	03	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*492*
TETRYL	08/25/00	09/07/00	13	05	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*484*
TETRYL	08/25/00	09/07/00	13	07	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*484*
TETRYL	08/25/00	09/07/00	13	09	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*476*
TETRYL	08/25/00	09/07/00	13	11	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 13 : 484

Standard Deviation: 12

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-185 Day 0: 8/30/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3	5700	12	2400	5.275	11605	20.275	19705
2	3.15	5800	12.25	2500	5.275	11605	20.675	19905
3	3.1	5770	12.1	2490	5.275	11605	20.475	19865
4	3.1	5750	12.25	2520	5.275	11605	20.625	19875
5	3.15	5830	12.1	2450	5.275	11605	20.525	19885
6	3.1	5740	12.25	2570	5.275	11605	20.625	19915
7	3	5700	12.1	2440	5.275	11605	20.375	19745
8	3.1	5750	12	2400	5.275	11605	20.375	19755
9	3.15	5820	12.1	2490	5.275	11605	20.525	19915
10	3.1	5760	12.1	2460	5.275	11605	20.475	19825
11	3.15	5860	12.25	2570	5.275	11605	20.675	20035
12	3.1	5780	12.1	2410	5.275	11605	20.475	19795
13	3.15	5880	12	2400	5.275	11605	20.425	19885
14	3	5700	12.1	2450	5.275	11605	20.375	19755
15	3.1	5780	12.1	2480	5.275	11605	20.475	19865
16	3.1	5740	12.25	2550	5.275	11605	20.625	19895
17	3.15	5800	12	2400	5.275	11605	20.425	19805
18	3.25	5900	13	2800	5.275	11605	21.525	20305
19	3.5	5820	12.1	2460	5.275	11605	20.875	19885
20	3	5700	12.1	2440	5.275	11605	20.375	19745
21	3.15	5860	12.1	2470	5.275	11605	20.525	19935
22	3.1	5730	12.1	2490	5.275	11605	20.475	19825
23	3.1	5790	12.15	2520	5.275	11605	20.525	19915
24	3.15	5880	12.1	2480	5.275	11605	20.525	19965
25	3.1	5770	12.1	2440	5.275	11605	20.475	19815
26	3	5700	12.1	2470	5.275	11605	20.375	19775
27	3.25	6000	12.2	2900	5.275	11605	20.725	20505
28	3	5700	12	2400	5.275	11605	20.275	19705
29	3.15	5800	12	2400	5.275	11605	20.425	19805
30	3	5700	12.15	2500	5.275	11605	20.425	19805
31	3.2	5900	12.25	2600	5.275	11605	20.725	20105
32	3.2	5900	12	2400	5.275	11605	20.475	19905
33	3.25	6000	12	2400	5.275	11605	20.525	20005
34	3.25	6100	12.25	2600	5.275	11605	20.775	20305
35	3.25	6000	12	2400	5.275	11605	20.525	20005
36	3.25	6000	12.25	2600	5.275	11605	20.775	20205
37	3.2	5900	12.25	2600	5.275	11605	20.725	20105
38	3.25	6000	12	2400	5.275	11605	20.525	20005
39	3	5700	12	2400	5.275	11605	20.275	19705
40	3.15	5800	12	2400	5.275	11605	20.425	19805
41								
42								
43								
Total	125.45	232810	485.25	99550	211.00	464200	821.7	796560

RECORD OF RECIPE (MIX NO. 7B)

uilding # 7M Windrow #M185 PERFORMED BY: Howard

DATE: 8 30 00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5700	12	2400				
2	3.15	5800	12.25	2500				
3	3.10	5770	12.10	2490				
4	3.10	5750	12.25	2520				
5	3.15	5830	12.10	2450				
6	3.10	5740	12.25	2570				
7	3	5700	12.10	2440				
8	3.10	5750	12	2400				
9	3.15	5820	12.10	2490				
10	3.10	5760	12.10	2460				
11	3.15	5860	12.25	2570				
12	3.10	5780	12.10	2410				
13	3.15	5880	12	2400				
14	3	5700	12.10	2450				
15	3.10	5780	12.10	2480				
16	3.10	5740	12.25	2550				
17	3.15	5800	12	2400				
18	3.25	5900	13.00	2800				
19	3.15	5820	12.10	2460				
al								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 17 Windrow # 185 PERFORMED BY: Howard

DATE: 013001 INSPECTED BY: _____

Design Quantity: Chicken Manure_____CY _____Pounds
Straw_____CY_____Pounds
Soil_____CY_____Pounds

Batch Number	CHICKEN MANURE Supplier:_____		STRAW Supplier:_____		SOIL Location:_____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3	5700	12.10	2440				
21	3.15	5860	12.10	2470				
22	3.10	5730	12.10	2490				
23	3.10	5790	12.15	2520				
24	3.15	5880	12.10	2480				
25	3.10	5790	12.10	2440				
26	3	5700	12.10	2470				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

uilding # M Windrow # 185 PERFORMED BY: _____

DATE: 8 30 00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds } 8100
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.25	6000	12.20	2900				
2	3	5700	12	2400				
3	3.15	5800	12	2400				
4	3	5700	12.15	2500				
5	3.20	5900	12.25	2600				
6	3.20	5900	12	2400				
7	3.25	6000	12	2400				
8	3.25	6100	12.25	2600				
9	3.25	6000	12	2400				
10	3.25	6000	12.25	2600				
11	3.20	5900	12.25	2600				
12	3.25	6000	12	2400				
13	3	5700	12	2400				
14	3.15	5800	12	2400				
15								
16								
17								
18								
19								
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
M185	8/30/00	8/30/00	0		35.17
		8/31/00	1	49.57	51.47
		9/1/00	2	57.37	58.27
		9/2/00	3	64.93	59.47
		9/3/00	4	67.33	62.37
		9/5/00	6	67.60	61.87
		9/6/00	7	67.07	64.03
		9/7/00	8	69.27	65.17
		9/8/00	9	70.43	65.57
		9/9/00	10	70.47	61.30
		9/10/00	11	69.37	63.27
		9/11/00	12	70.70	63.27
		9/12/00	13	68.10	62.67
		9/13/00	14	66.87	62.53
		9/14/00	15	68.07	64.17

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M185	8/30/00	8/30/00	0		10.13
		8/31/00	1	2.64	0.57
		9/1/00	2	9.50	3.97
		9/2/00	3	10.87	13.67
		9/3/00	4	12.21	11.20
		9/5/00	6	10.40	10.30
		9/6/00	7	13.83	5.37
		9/7/00	8	9.73	3.63
		9/8/00	9	6.93	1.77
		9/9/00	10	6.23	6.57
		9/10/00	11	5.50	6.83
		9/11/00	12	3.37	5.17
		9/12/00	13	2.83	0.33
		9/13/00	14	2.40	0.70
		9/14/00	15	1.97	11.10

All average Oxygen values are expressed as a percent

Friday, June 28, 2002

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M185	8/30/00	8/30/00	0		51.22
		8/31/00	1		
		9/1/00	2		40.54
		9/2/00	3		
		9/3/00	4		
		9/5/00	6		
		9/6/00	7		
		9/7/00	8		32.92
		9/8/00	9		
		9/9/00	10		32.00
		9/10/00	11		
		9/11/00	12		30.18
		9/12/00	13		35.70
		9/13/00	14		39.42
		9/14/00	15		

All average MWHC values are expressed in percent

Windrow Number: M185 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	08/30/00	09/15/00	16	03	1	LT	476
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 03 :		*492*
135TNB	08/30/00	09/15/00	16	05	1	LT	500
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 05 :		*500*
135TNB	08/30/00	09/15/00	16	07	1	LT	454
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 07 :		*477*
135TNB	08/30/00	09/15/00	16	09	1	LT	500
					2	LT	500
					3	LT	476
					Average Concentration for Cross Section 09 :		*492*
135TNB	08/30/00	09/15/00	16	11	1	LT	476
					2		279 J
					3	LT	476
					Average Concentration for Cross Section 11 :		*410*

Average Concentration for Windrow on Day 16 : 474

Standard Deviation: 56

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	08/30/00	07/31/01	335	1	1	LT	500
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 1 :		*484*
135TNB	08/30/00	07/31/01	335	2	1	LT	476
					3	LT	476
					5	LT	454
					Average Concentration for Cross Section 2 :		*469*
135TNB	08/30/00	07/31/01	335	3	1	LT	500
					3	LT	476
					5	LT	454
					Average Concentration for Cross Section 3 :		*477*
135TNB	08/30/00	07/31/01	335	4	1	LT	500
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 4 :		*492*
135TNB	08/30/00	07/31/01	335	5	1	LT	476
					3	LT	500
					5	LT	500
					Average Concentration for Cross Section 5 :		*492*

Average Concentration for Windrow on Day 335 : 483

Standard Deviation: 16

Percent Reduction of 135TNB: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M185 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	08/30/00	09/15/00	16	03	1	LT	476	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 03 :			*492*
13DNB	08/30/00	09/15/00	16	05	1	LT	500	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 05 :			*500*
13DNB	08/30/00	09/15/00	16	07	1	LT	454	
					2	LT	476	
					3	LT	500	
					Average Concentration for Cross Section 07 :			*477*
13DNB	08/30/00	09/15/00	16	09	1	LT	500	
					2	LT	500	
					3	LT	476	
					Average Concentration for Cross Section 09 :			*492*
13DNB	08/30/00	09/15/00	16	11	1	LT	476	
					2	LT	476	
					3	LT	476	
					Average Concentration for Cross Section 11 :			*476*

Average Concentration for Windrow on Day 16 : 487

Standard Deviation: 15

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	08/30/00	07/31/01	335	1	1	LT	500	
					3	LT	476	
					5	LT	476	
					Average Concentration for Cross Section 1 :			*484*
13DNB	08/30/00	07/31/01	335	2	1	LT	476	
					3	LT	476	
					5	LT	454	
					Average Concentration for Cross Section 2 :			*469*
13DNB	08/30/00	07/31/01	335	3	1	LT	500	
					3	LT	476	
					5	LT	454	
					Average Concentration for Cross Section 3 :			*477*
13DNB	08/30/00	07/31/01	335	4	1	LT	500	
					3	LT	500	
					5	LT	476	
					Average Concentration for Cross Section 4 :			*492*
13DNB	08/30/00	07/31/01	335	5	1	LT	476	
					3	LT	500	
					5	LT	500	
					Average Concentration for Cross Section 5 :			*492*

Average Concentration for Windrow on Day 335 : 483

Standard Deviation: 16

Percent Reduction of 13DNB: 0.96%

Windrow Number: M185 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
246TNT	08/30/00	09/15/00	16	03	1	LT	476
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 03 :		*492*
246TNT	08/30/00	09/15/00	16	05	1	LT	500
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 05 :		*500*
246TNT	08/30/00	09/15/00	16	07	1	LT	454
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 07 :		*477*
246TNT	08/30/00	09/15/00	16	09	1	LT	500
					2	LT	500
					3	LT	476
					Average Concentration for Cross Section 09 :		*492*
246TNT	08/30/00	09/15/00	16	11	1	LT	476
					2		10000
					3	LT	476
					Average Concentration for Cross Section 11 :		*3651*

Average Concentration for Windrow on Day 16 : ***1122***

Standard Deviation: ***2456***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
246TNT	08/30/00	07/31/01	335	1	1	LT	500
					3	LT	476
					5		63.2 J
					Average Concentration for Cross Section 1 :		*346*
246TNT	08/30/00	07/31/01	335	2	1		67.2 J
					3	LT	476
					5	LT	454
					Average Concentration for Cross Section 2 :		*332*
246TNT	08/30/00	07/31/01	335	3	1	LT	500
					3	LT	476
					5	LT	454
					Average Concentration for Cross Section 3 :		*477*
246TNT	08/30/00	07/31/01	335	4	1	LT	500
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 4 :		*492*
246TNT	08/30/00	07/31/01	335	5	1		3390
					3	LT	500
					5	LT	500
					Average Concentration for Cross Section 5 :		*1463*

Average Concentration for Windrow on Day 335 : ***622***

Standard Deviation: ***780***

Percent Reduction of 246TNT: 44.56%

Windrow Number: M185 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	08/30/00	09/15/00	16	03	1	LT	476
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 03 :		*492*
24DNT	08/30/00	09/15/00	16	05	1	LT	500
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 05 :		*500*
24DNT	08/30/00	09/15/00	16	07	1	LT	454
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 07 :		*477*
24DNT	08/30/00	09/15/00	16	09	1	LT	500
					2	LT	500
					3	LT	476
					Average Concentration for Cross Section 09 :		*492*
24DNT	08/30/00	09/15/00	16	11	1	LT	476
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 11 :		*476*

Average Concentration for Windrow on Day 16 : 487

Standard Deviation: 15

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	08/30/00	07/31/01	335	1	1	LT	500
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 1 :		*484*
24DNT	08/30/00	07/31/01	335	2	1	LT	476
					3	LT	476
					5	LT	454
					Average Concentration for Cross Section 2 :		*469*
24DNT	08/30/00	07/31/01	335	3	1	LT	500
					3	LT	476
					5	LT	454
					Average Concentration for Cross Section 3 :		*477*
24DNT	08/30/00	07/31/01	335	4	1	LT	500
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 4 :		*492*
24DNT	08/30/00	07/31/01	335	5	1	LT	476
					3	LT	500
					5	LT	500
					Average Concentration for Cross Section 5 :		*492*

Average Concentration for Windrow on Day 335 : 483

Standard Deviation: 16

Percent Reduction of 24DNT: 0.96%

Windrow Number: M185 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	08/30/00	09/15/00	16	03	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*492*
2NT	08/30/00	09/15/00	16	05	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*500*
2NT	08/30/00	09/15/00	16	07	1	LT	454
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 07 :			*477*
2NT	08/30/00	09/15/00	16	09	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 09 :			*492*
2NT	08/30/00	09/15/00	16	11	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 11 :			*476*

Average Concentration for Windrow on Day 16 : 487

Standard Deviation: 15

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	08/30/00	07/31/01	335	1	1	LT	500
					3	LT	476
					5	LT	476
				Average Concentration for Cross Section 1 :			*484*
2NT	08/30/00	07/31/01	335	2	1	LT	476
					3	LT	476
					5	LT	454
				Average Concentration for Cross Section 2 :			*469*
2NT	08/30/00	07/31/01	335	3	1	LT	500
					3	LT	476
					5	LT	454
				Average Concentration for Cross Section 3 :			*477*
2NT	08/30/00	07/31/01	335	4	1	LT	500
					3	LT	500
					5	LT	476
				Average Concentration for Cross Section 4 :			*492*
2NT	08/30/00	07/31/01	335	5	1	LT	476
					3	LT	500
					5	LT	500
				Average Concentration for Cross Section 5 :			*492*

Average Concentration for Windrow on Day 335 : 483

Standard Deviation: 16

Percent Reduction of 2NT: 0.96%

Windrow Number: M185 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	08/30/00	09/15/00	16	03	1	LT	476
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 03 :		*492*
3NT	08/30/00	09/15/00	16	05	1	LT	500
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 05 :		*500*
3NT	08/30/00	09/15/00	16	07	1	LT	454
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 07 :		*477*
3NT	08/30/00	09/15/00	16	09	1	LT	500
					2	LT	500
					3	LT	476
					Average Concentration for Cross Section 09 :		*492*
3NT	08/30/00	09/15/00	16	11	1	LT	476
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 11 :		*476*

Average Concentration for Windrow on Day 16 : 487

Standard Deviation: 15

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	08/30/00	07/31/01	335	1	1	LT	500
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 1 :		*484*
3NT	08/30/00	07/31/01	335	2	1	LT	476
					3	LT	476
					5	LT	454
					Average Concentration for Cross Section 2 :		*469*
3NT	08/30/00	07/31/01	335	3	1	LT	500
					3	LT	476
					5	LT	454
					Average Concentration for Cross Section 3 :		*477*
3NT	08/30/00	07/31/01	335	4	1	LT	500
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 4 :		*492*
3NT	08/30/00	07/31/01	335	5	1	LT	476
					3	LT	500
					5	LT	500
					Average Concentration for Cross Section 5 :		*492*

Average Concentration for Windrow on Day 335 : 483

Standard Deviation: 16

Percent Reduction of 3NT: 0.96%

Windrow Number: M185 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	08/30/00	09/15/00	16	03	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*492*
4A26DT	08/30/00	09/15/00	16	05	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*500*
4A26DT	08/30/00	09/15/00	16	07	1	LT	454
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 07 :			*477*
4A26DT	08/30/00	09/15/00	16	09	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 09 :			*492*
4A26DT	08/30/00	09/15/00	16	11	1	LT	476
					2		1640
					3	LT	476
				Average Concentration for Cross Section 11 :			*864*

Average Concentration for Windrow on Day 16 : 565

Standard Deviation: 298

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	08/30/00	07/31/01	335	1	1	LT	500
					3	LT	476
					5	LT	476
				Average Concentration for Cross Section 1 :			*484*
4A26DT	08/30/00	07/31/01	335	2	1	LT	476
					3	LT	476
					5	LT	454
				Average Concentration for Cross Section 2 :			*469*
4A26DT	08/30/00	07/31/01	335	3	1	LT	500
					3	LT	476
					5	LT	454
				Average Concentration for Cross Section 3 :			*477*
4A26DT	08/30/00	07/31/01	335	4	1	LT	500
					3	LT	500
					5	LT	476
				Average Concentration for Cross Section 4 :			*492*
4A26DT	08/30/00	07/31/01	335	5	1	LT	476
					3	LT	500
					5	LT	500
				Average Concentration for Cross Section 5 :			*492*

Average Concentration for Windrow on Day 335 : 483

Standard Deviation: 16

Percent Reduction of 4A26DT: 14.56%

Windrow Number: M185 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	08/30/00	09/15/00	16	03	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*492*
4NT	08/30/00	09/15/00	16	05	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*500*
4NT	08/30/00	09/15/00	16	07	1	LT	454
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 07 :			*477*
4NT	08/30/00	09/15/00	16	09	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 09 :			*492*
4NT	08/30/00	09/15/00	16	11	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 11 :			*476*

Average Concentration for Windrow on Day 16 : 487

Standard Deviation: 15

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	08/30/00	07/31/01	335	1	1	LT	500
					3	LT	476
					5	LT	476
				Average Concentration for Cross Section 1 :			*484*
4NT	08/30/00	07/31/01	335	2	1	LT	476
					3	LT	476
					5	LT	454
				Average Concentration for Cross Section 2 :			*469*
4NT	08/30/00	07/31/01	335	3	1	LT	500
					3	LT	476
					5	LT	454
				Average Concentration for Cross Section 3 :			*477*
4NT	08/30/00	07/31/01	335	4	1	LT	500
					3	LT	500
					5	LT	476
				Average Concentration for Cross Section 4 :			*492*
4NT	08/30/00	07/31/01	335	5	1	LT	476
					3	LT	500
					5	LT	500
				Average Concentration for Cross Section 5 :			*492*

Average Concentration for Windrow on Day 335 : 483

Standard Deviation: 16

Percent Reduction of 4NT: 0.96%

Windrow Number: M185 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
HMX	08/30/00	09/15/00	16	03	1	LT 476	
					2	LT 500	
					3	5520	
					Average Concentration for Cross Section 03 :		*2165*
HMX	08/30/00	09/15/00	16	05	1	568	
					2	4960	
					3	11400	
					Average Concentration for Cross Section 05 :		*5643*
HMX	08/30/00	09/15/00	16	07	1	LT 454	
					2	849	
					3	1760	
					Average Concentration for Cross Section 07 :		*1021*
HMX	08/30/00	09/15/00	16	09	1	LT 500	
					2	3090	
					3	LT 476	
					Average Concentration for Cross Section 09 :		*1355*
HMX	08/30/00	09/15/00	16	11	1	LT 476	
					2	1220	
					3	334 J	
					Average Concentration for Cross Section 11 :		*677*

Average Concentration for Windrow on Day 16 : 2172

Standard Deviation: 3058

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
HMX	08/30/00	07/31/01	335	1	1	1480	
					3	2710	
					5	594	
					Average Concentration for Cross Section 1 :		*1595*
HMX	08/30/00	07/31/01	335	2	1	482	
					3	151 J	
					5	233 J	
					Average Concentration for Cross Section 2 :		*289*
HMX	08/30/00	07/31/01	335	3	1	2030	
					3	LT 476	
					5	LT 454	
					Average Concentration for Cross Section 3 :		*987*
HMX	08/30/00	07/31/01	335	4	1	358 J	
					3	LT 500	
					5	LT 476	
					Average Concentration for Cross Section 4 :		*445*
HMX	08/30/00	07/31/01	335	5	1	2930	
					3	LT 500	
					5	174 J	
					Average Concentration for Cross Section 5 :		*1201*

Average Concentration for Windrow on Day 335 : 903

Standard Deviation: 925

Percent Reduction of HMX: 58.42%

Windrow Number: M185 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	08/30/00	09/15/00	16	03	1	LT	476
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 03 :		*492*
NB	08/30/00	09/15/00	16	05	1	LT	500
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 05 :		*500*
NB	08/30/00	09/15/00	16	07	1	LT	454
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 07 :		*477*
NB	08/30/00	09/15/00	16	09	1	LT	500
					2	LT	500
					3	LT	476
					Average Concentration for Cross Section 09 :		*492*
NB	08/30/00	09/15/00	16	11	1	LT	476
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 11 :		*476*

Average Concentration for Windrow on Day 16 : 487

Standard Deviation: 15

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	08/30/00	07/31/01	335	1	1	LT	500
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 1 :		*484*
NB	08/30/00	07/31/01	335	2	1	LT	476
					3	LT	476
					5	LT	454
					Average Concentration for Cross Section 2 :		*469*
NB	08/30/00	07/31/01	335	3	1	LT	500
					3	LT	476
					5	LT	454
					Average Concentration for Cross Section 3 :		*477*
NB	08/30/00	07/31/01	335	4	1	LT	500
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 4 :		*492*
NB	08/30/00	07/31/01	335	5	1	LT	476
					3	LT	500
					5	LT	500
					Average Concentration for Cross Section 5 :		*492*

Average Concentration for Windrow on Day 335 : 483

Standard Deviation: 16

Percent Reduction of NB: 0.96%

Windrow Number: M185 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
RDX	08/30/00	09/15/00	16	03	1	LT	476	
					2		1290	
					3		10700	
					Average Concentration for Cross Section 03 :			*4155*
RDX	08/30/00	09/15/00	16	05	1		780	
					2		6710	
					3		96500	
					Average Concentration for Cross Section 05 :			*34663*
RDX	08/30/00	09/15/00	16	07	1	LT	454	
					2		422 J	
					3		5770	
					Average Concentration for Cross Section 07 :			*2215*
RDX	08/30/00	09/15/00	16	09	1	LT	500	
					2		1680	
					3	LT	476	
					Average Concentration for Cross Section 09 :			*885*
RDX	08/30/00	09/15/00	16	11	1	LT	476	
					2	LT	476	
					3		999	
					Average Concentration for Cross Section 11 :			*650*

Average Concentration for Windrow on Day 16 : 8514

Standard Deviation: 24532

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
RDX	08/30/00	07/31/01	335	1	1		922	
					3		537	
					5		374 J	
					Average Concentration for Cross Section 1 :			*611*
RDX	08/30/00	07/31/01	335	2	1		472 J	
					3		80.4 J	
					5	LT	454	
					Average Concentration for Cross Section 2 :			*335*
RDX	08/30/00	07/31/01	335	3	1		909	
					3	LT	476	
					5	LT	454	
					Average Concentration for Cross Section 3 :			*613*
RDX	08/30/00	07/31/01	335	4	1		148 J	
					3	LT	500	
					5	LT	476	
					Average Concentration for Cross Section 4 :			*375*
RDX	08/30/00	07/31/01	335	5	1		33200	
					3	LT	500	
					5	LT	500	
					Average Concentration for Cross Section 5 :			*11400*

Average Concentration for Windrow on Day 335 : 2667

Standard Deviation: 8450

Percent Reduction of RDX: 68.68%

Windrow Number: M185 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	08/30/00	09/15/00	16	03	1	LT	476
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 03 :		*492*
TETRYL	08/30/00	09/15/00	16	05	1	LT	500
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 05 :		*500*
TETRYL	08/30/00	09/15/00	16	07	1	LT	454
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 07 :		*477*
TETRYL	08/30/00	09/15/00	16	09	1	LT	500
					2	LT	500
					3	LT	476
					Average Concentration for Cross Section 09 :		*492*
TETRYL	08/30/00	09/15/00	16	11	1	LT	476
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 11 :		*476*

Average Concentration for Windrow on Day 16 : 487

Standard Deviation: 15

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	08/30/00	07/31/01	335	1	1	LT	500
					3	LT	476
					5	LT	476
					Average Concentration for Cross Section 1 :		*484*
TETRYL	08/30/00	07/31/01	335	2	1	LT	476
					3	LT	476
					5	LT	454
					Average Concentration for Cross Section 2 :		*469*
TETRYL	08/30/00	07/31/01	335	3	1	LT	500
					3	LT	476
					5	LT	454
					Average Concentration for Cross Section 3 :		*477*
TETRYL	08/30/00	07/31/01	335	4	1	LT	500
					3	LT	500
					5	LT	476
					Average Concentration for Cross Section 4 :		*492*
TETRYL	08/30/00	07/31/01	335	5	1	LT	476
					3	LT	500
					5	LT	500
					Average Concentration for Cross Section 5 :		*492*

Average Concentration for Windrow on Day 335 : 483

Standard Deviation: 16

Percent Reduction of TETRYL: 0.96%

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-186 Day 0: 8/31/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5770	12	2430	5.275	11605	20.375	19805
2	3.15	5840	12.15	2570	5.275	11605	20.575	20015
3	3.1	5710	12.1	2490	5.275	11605	20.475	19805
4	3.15	5820	12.15	2510	5.275	11605	20.575	19935
5	3.15	5870	12.1	2440	5.275	11605	20.525	19915
6	3.1	5730	12.1	2460	5.275	11605	20.475	19795
7	3	5700	12.15	2580	5.275	11605	20.425	19885
8	3.15	5810	12.15	2550	5.275	11605	20.575	19965
9	3.1	5730	12	2400	5.275	11605	20.375	19735
10	3	5700	12.1	2450	5.275	11605	20.375	19755
11	3.1	5790	12.15	2510	5.275	11605	20.525	19905
12	3.15	5850	12.1	2460	5.275	11605	20.525	19915
13	3.1	5730	12	2400	5.275	11605	20.375	19735
14	3	5700	12.1	2440	5.275	11605	20.375	19745
15	3.1	5770	12.25	2620	5.275	11605	20.625	19995
16	3	5700	12.1	2490	5.275	11605	20.375	19795
17	3.15	5820	12	2400	5.275	11605	20.425	19825
18	3.1	5790	12.15	2580	5.275	11605	20.525	19975
19	3.15	5870	12.1	2470	5.275	11605	20.525	19945
20	3.1	5720	12.1	2490	5.275	11605	20.475	19815
21	3.15	5850	12.1	2440	5.275	11605	20.525	19895
22	3	5700	12.1	2430	5.275	11605	20.375	19735
23	3.15	5880	12.15	2500	5.275	11605	20.575	19985
24	3.1	5720	12.1	2440	5.275	11605	20.475	19765
25	3.15	5880	12	2400	5.275	11605	20.425	19885
26	3.1	6000	12	2400	5.275	11605	20.375	20005
27	3.25	5000	12.5	2600	5.275	11605	21.025	19205
28	3.75	6100	13.25	2900	5.275	11605	22.275	20605
29	3.15	5700	12	2400	5.275	11605	20.425	19705
30	4	5800	12.25	2500	5.275	11605	21.525	19905
31	3	5900	12.5	2600	5.275	11605	20.775	20105
32	3.15	5800	12.75	2700	5.275	11605	21.175	20105
33	3.25	5700	12.25	2500	5.275	11605	20.775	19805
34	3.15	5710	12.1	2480	5.275	11605	20.525	19795
35	3	5840	12.1	2490	5.275	11605	20.375	19935
36	3.15	5790	12.15	2540	5.275	11605	20.575	19935
37	3.1	5720	12.25	2610	5.275	11605	20.625	19935
38	3.1	5750	12.25	2640	5.275	11605	20.625	19995
39	3	5710	12.3	2740	5.275	11605	20.575	20055
40	3.1	5790	12.1	2400	5.275	11605	20.475	19795
41								
42								
43								
Total	125.75	230760	487.25	100450	211.00	464200	824	795410

SOP 3.0 FIGURE 2a Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

uilding # 5 Windrow # 186 PERFORMED BY: Howard

DATE: 8/31/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier:		STRAW Supplier:		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5770	12.10	2430				
2	3.15	5840	12.15	2570				
3	3.10	5710	12.10	2490				
4	3.15	5820	12.15	2510				
5	3.15	5870	12.10	2440				
6	3.10	5730	12.10	2460				
7	3	5700	12.15	2580				
8	3.15	5810	12.15	2550				
9	3.10	5730	12	2400				
10	3	5700	12.10	2450				
11	3.10	5790	12.15	2510				
12	3.15	5850	1210	2460				
13	3.10	5730	12	2400				
14	3	5700	12.10	2440				
15	3.10	5770	12.25	2620				
16	3	5700	1210	2490				
17	3.15	5820	12	2400				
18	3.10	5790	12.15	2580				
19	3.15	5870	12.10	2470				
al								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 156 PERFORMED BY: [signature]

DATE: 8/31/00 INSPECTED BY: ________

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil ____ CY ____ Pounds

Batch Number	CHICKEN MANURE Supplier:		STRAW Supplier:		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5720	12.10	2490				
21	3.15	5850	12.10	2440				
22	3	5700	12.10	2430				
23	3.15	5880	12.15	2500				
24	3.10	5720	12.10	2440				
[redacted]								
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # #186 PERFORMED BY: [illegible]

DATE: 8 130100 INSPECTED BY:

Design Quantity: Chicken Manure 3 CY 5200 Pounds
Straw 12 CY 2480 Pounds
Soil ____ CY ____ Pounds

Batch Number	CHICKEN MANURE Supplier:		STRAW Supplier:		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	325	5880	12	2400				
2	375	6000	12	2400				
3	315	5800	1250	2600				
4	400	6100	1325	2900				
5	3	5700	12	2400				
6	315	5800	1225	2500				
7	325	5900	1250	2600				
8	315	5800	1275	2700				
9	300	5700	1225	2500				
10	3.10	5710	12.10	2480				
11	3.5	5840	1210	2490				
12	3.10	5790	12.15	2540				
13	3.10	5720	1225	2610				
14	3.10	5750	12.25	2640				
15	3	5710	12.30	2740				
16	3.10	5790	1210	2460				
17								
18								
19								
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
S186	8/31/00	8/31/00	0		38.40
		9/1/00	1	55.43	52.57
		9/2/00	2	64.60	63.97
		9/3/00	3	65.97	61.93
		9/5/00	5	70.60	60.57
		9/6/00	6	69.60	62.50
		9/7/00	7	69.07	64.10
		9/8/00	8	68.90	65.40
		9/9/00	9	68.77	63.07
		9/10/00	10	70.07	63.50
		9/11/00	11	69.67	63.87
		9/12/00	12	69.80	64.17
		9/13/00	13	68.93	64.53
		9/14/00	14		64.13

All average temperatures are in degrees centigrade

Wednesday, July 03, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S186	8/31/00	8/31/00	0		16.70
		9/1/00	1	12.73	5.43
		9/2/00	2	8.30	11.27
		9/3/00	3	9.43	12.10
		9/5/00	5	7.87	8.83
		9/6/00	6	9.67	5.97
		9/7/00	7	9.30	0.90
		9/8/00	8	7.60	2.40
		9/9/00	9	8.10	8.80
		9/10/00	10	8.60	5.63
		9/11/00	11	6.37	5.03
		9/12/00	12	6.97	1.40
		9/13/00	13	6.57	1.97
		9/14/00	14	1.00	2.47

All average Oxygen values are expressed as a percent

Wednesday, July 03, 2002

Average Daily Windrow WHC Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (%)	POST-Turn (%)
S186	8/31/00	8/31/00	0		44.14
		9/1/00	1		41.96
		9/2/00	2		
		9/3/00	3		
		9/5/00	5		41.54
		9/6/00	6		
		9/7/00	7		38.36
		9/8/00	8		
		9/9/00	9		37.24
		9/10/00	10		
		9/11/00	11		
		9/12/00	12		34.26
		9/13/00	13		35.30
		9/14/00	14		

All average MWHC values are expressed in percent

Windrow Number: S186 ***1,3,5-TRINITROBENZENE Results***

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
135TNB	08/31/00	09/15/00	15	03	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*492*
135TNB	08/31/00	09/15/00	15	05	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*492*
135TNB	08/31/00	09/15/00	15	07	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*492*
135TNB	08/31/00	09/15/00	15	09	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
135TNB	08/31/00	09/15/00	15	11	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 15 : ***492***

Standard Deviation: ***12***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: S186 *1,3-DINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
13DNB	08/31/00	09/15/00	15	03	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 03 :			*492*
13DNB	08/31/00	09/15/00	15	05	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 05 :			*492*
13DNB	08/31/00	09/15/00	15	07	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 07 :			*492*
13DNB	08/31/00	09/15/00	15	09	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 09 :			*492*
13DNB	08/31/00	09/15/00	15	11	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 15 : 492

Standard Deviation: 12

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: S186 *2,4,6-TRINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
246TNT	08/31/00	09/15/00	15	03	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*492*
246TNT	08/31/00	09/15/00	15	05	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*492*
246TNT	08/31/00	09/15/00	15	07	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*492*
246TNT	08/31/00	09/15/00	15	09	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
246TNT	08/31/00	09/15/00	15	11	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 15 : ***492***

Standard Deviation: ***12***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S186 **2,4-DINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	08/31/00	09/15/00	15	03	1	LT 500	
					2	LT 476	
					3	LT 500	
					Average Concentration for Cross Section 03 :		*492*
24DNT	08/31/00	09/15/00	15	05	1	LT 500	
					2	LT 476	
					3	LT 500	
					Average Concentration for Cross Section 05 :		*492*
24DNT	08/31/00	09/15/00	15	07	1	LT 500	
					2	LT 500	
					3	LT 476	
					Average Concentration for Cross Section 07 :		*492*
24DNT	08/31/00	09/15/00	15	09	1	LT 500	
					2	LT 476	
					3	LT 500	
					Average Concentration for Cross Section 09 :		*492*
24DNT	08/31/00	09/15/00	15	11	1	LT 500	
					2	LT 500	
					3	LT 476	
					Average Concentration for Cross Section 11 :		*492*

Average Concentration for Windrow on Day 15 : 492

Standard Deviation: 12

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S186 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
26DNT	08/31/00	09/15/00	15	03	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*492*
26DNT	08/31/00	09/15/00	15	05	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*492*
26DNT	08/31/00	09/15/00	15	07	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*492*
26DNT	08/31/00	09/15/00	15	09	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*492*
26DNT	08/31/00	09/15/00	15	11	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 15 : 492

Standard Deviation: 12

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: S186 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	08/31/00	09/15/00	15	03	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*492*
2A46DT	08/31/00	09/15/00	15	05	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*492*
2A46DT	08/31/00	09/15/00	15	07	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*492*
2A46DT	08/31/00	09/15/00	15	09	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*492*
2A46DT	08/31/00	09/15/00	15	11	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 15 : 492

Standard Deviation: 12

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: S186 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	08/31/00	09/15/00	15	03	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*492*
2NT	08/31/00	09/15/00	15	05	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*492*
2NT	08/31/00	09/15/00	15	07	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*492*
2NT	08/31/00	09/15/00	15	09	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*492*
2NT	08/31/00	09/15/00	15	11	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 15 : 492

Standard Deviation: 12

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: S186 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
3NT	08/31/00	09/15/00	15	03	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 03 :			*492*
3NT	08/31/00	09/15/00	15	05	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 05 :			*492*
3NT	08/31/00	09/15/00	15	07	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 07 :			*492*
3NT	08/31/00	09/15/00	15	09	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 09 :			*492*
3NT	08/31/00	09/15/00	15	11	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 15 : 492

Standard Deviation: 12

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: S186 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	08/31/00	09/15/00	15	03	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*492*
4A26DT	08/31/00	09/15/00	15	05	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*492*
4A26DT	08/31/00	09/15/00	15	07	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*492*
4A26DT	08/31/00	09/15/00	15	09	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*492*
4A26DT	08/31/00	09/15/00	15	11	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 15 : 492

Standard Deviation: 12

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: S186 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
4NT	08/31/00	09/15/00	15	03	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*492*
4NT	08/31/00	09/15/00	15	05	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*492*
4NT	08/31/00	09/15/00	15	07	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*492*
4NT	08/31/00	09/15/00	15	09	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
4NT	08/31/00	09/15/00	15	11	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 15 : 492

Standard Deviation: 12

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: S186 *HMX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
HMX	08/31/00	09/15/00	15	03	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*492*
HMX	08/31/00	09/15/00	15	05	1	LT	500	
					2	LT	476	
					3		1400	
				Average Concentration for Cross Section 05 :				*792*
HMX	08/31/00	09/15/00	15	07	1	LT	500	
					2		1140	
					3		444 J	
				Average Concentration for Cross Section 07 :				*695*
HMX	08/31/00	09/15/00	15	09	1	LT	500	
					2		548	
					3		589	
				Average Concentration for Cross Section 09 :				*546*
HMX	08/31/00	09/15/00	15	11	1	LT	500	
					2		799	
					3		2290	
				Average Concentration for Cross Section 11 :				*1196*

Average Concentration for Windrow on Day 15 : ***744***

Standard Deviation: ***509***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: S186 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
NB	08/31/00	09/15/00	15	03	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*492*
NB	08/31/00	09/15/00	15	05	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*492*
NB	08/31/00	09/15/00	15	07	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*492*
NB	08/31/00	09/15/00	15	09	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
NB	08/31/00	09/15/00	15	11	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 15 : 492

Standard Deviation: 12

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: S186 *RDX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
RDX	08/31/00	09/15/00	15	03	1	LT	500	
					2		481	
					3		633	
				Average Concentration for Cross Section 03 :				*538*
RDX	08/31/00	09/15/00	15	05	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*492*
RDX	08/31/00	09/15/00	15	07	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*492*
RDX	08/31/00	09/15/00	15	09	1	LT	500	
					2		852	
					3		2260	
				Average Concentration for Cross Section 09 :				*1204*
RDX	08/31/00	09/15/00	15	11	1	LT	500	
					2		793	
					3		2340	
				Average Concentration for Cross Section 11 :				*1211*

Average Concentration for Windrow on Day 15 : ***787***

Standard Deviation: ***625***

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: S186 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
TETRYL	08/31/00	09/15/00	15	03	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*492*
TETRYL	08/31/00	09/15/00	15	05	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*492*
TETRYL	08/31/00	09/15/00	15	07	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*492*
TETRYL	08/31/00	09/15/00	15	09	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
TETRYL	08/31/00	09/15/00	15	11	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 15 : 492

Standard Deviation: 12

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-187 Day 0: 9/6/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5750	12.1	2430	5.275	11605	20.475	19785
2	3.1	5780	12.15	2510	5.275	11605	20.525	19895
3	3.15	5810	12.1	2490	5.275	11605	20.525	19905
4	3	5700	12.1	2470	5.275	11605	20.375	19775
5	3.15	5830	12.1	2450	5.275	11605	20.525	19885
6	3.1	5720	12.1	2430	5.275	11605	20.475	19755
7	3	5700	12.1	2460	5.275	11605	20.375	19765
8	3.1	5740	12.15	2560	5.275	11605	20.525	19905
9	3.15	5800	12.1	2480	5.275	11605	20.525	19885
10	3.15	5860	12.15	2500	5.275	11605	20.575	19965
11	3.1	5790	12.1	2420	5.275	11605	20.475	19815
12	3.1	5780	12.15	2510	5.275	11605	20.525	19895
13	3.15	5840	12.1	2440	5.275	11605	20.525	19885
14	3.15	5880	12.1	2560	5.275	11605	20.525	20045
15	3.1	5770	12	2400	5.275	11605	20.375	19775
16	3.1	5750	12.1	2430	5.275	11605	20.475	19785
17	3.15	5840	12	2400	5.275	11605	20.425	19845
18	3.15	5870	12.1	2470	5.275	11605	20.525	19945
19	3	5700	12.1	2450	5.275	11605	20.375	19755
20	3.1	5750	12.15	2570	5.275	11605	20.525	19925
21	3.15	5800	12.2	2630	5.275	11605	20.625	20035
22	3	5700	12.1	2490	5.275	11605	20.375	19795
23	3.1	5740	12	2400	5.275	11605	20.375	19745
24	3.25	6000	12.25	2800	5.275	11605	20.775	20405
25	3.25	6000	12.25	2800	5.275	11605	20.775	20405
26	3.15	5900	12.3	2900	5.275	11605	20.725	20405
27	3.3	6300	12.3	2900	5.275	11605	20.875	20805
28	3.25	6000	12.15	2600	5.275	11605	20.675	20205
29	3.25	6000	12	2400	5.275	11605	20.525	20005
30	3	5700	12.15	2500	5.275	11605	20.425	19805
31	3.15	5900	12	2400	5.275	11605	20.425	19905
32	3.25	6000	12	2400	5.275	11605	20.525	20005
33	3.15	5900	12	2400	5.275	11605	20.425	19905
34	3.25	6000	12.2	2700	5.275	11605	20.725	20305
35	3.25	6100	12.2	2700	5.275	11605	20.725	20405
36	3	5700	12.15	2500	5.275	11605	20.425	19805
37	3	5700	12	2400	5.275	11605	20.275	19705
38	3	5700	12	2400	5.275	11605	20.275	19705
39	3.15	5900	12	2400	5.275	11605	20.425	19905
40	3.1	5770	12.1	2470	5.275	11605	20.475	19845
41								
42								
43								
Total	125.1	233470	484.4	100620	211.00	464200	820.5	798290

SOP 3.0 FIGURE 2a Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

ilding # 117 Windrow # 180 PERFORMED BY: Edwards

DATE: 9/15/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5750	12.10	2430				
2	3.10	5730	12.15	2510				
3	3.15	5810	12.10	2490				
4	3	5700	12.10	2470				
5	3.15	5830	12.10	2450				
6	3.10	5720	12.10	2430				
7	3	5700	12.10	2460				
8	3.10	5740	12.15	2560				
9	3.15	5800	12.10	2480				
10	3.15	5860	12.15	2500				
11	3.10	5790	12.10	2420				
12	3.10	5780	12.15	2510				
13	3.15	5840	12.10	2440				
14	3.15	5880	12.10	2560				
15	3.10	5770	12	2400				
16	3.10	5750	12.10	2430				
17	3.15	5840	12	2400				
18	3.15	5870	12.10	2470				
19	3	5700	12.10	2450				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 0 Windrow # 187 PERFORMED BY: [illegible]

DATE: 9 16 100 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.16	5750	12.15	2570				
21	3.15	5800	12.20	2630				
22	3	5700	12.10	2490				
23	3.10	5740	12	2400				
~~24~~								
~~25~~								
~~26~~								
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 187 PERFORMED BY: Hourand

DATE: 9,5,00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.25	6000	12.25	2800				
2	3.25	6000	12.25	2800				
3	3.15	5900	12.30	2900				
4	3.30	6300	12.30	2900				
5	3.25	6000	12.15	2600				
6	3.25	6000	12	2400				
7	3	5700	12.15	2500				
8	3.15	5900	12	2400				
9	3.25	6000	12	2400				
10	3.15	5900	12	2400				
11	3.25	6000	12.20	2700				
12	3.25	6100	12.20	2700				
13	3	5700	12.15	2500				
14	3	5700	12	2400				
15	3	5700	12	2400				
16	3.15	5900	12	2400				
17	3.10	5770	12.10	2470				
18								
19								
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
S187	9/6/00	9/6/00	0		65.63
		9/7/00	1	50.10	49.27
		9/8/00	2	61.47	58.73
		9/9/00	3	65.77	60.40
		9/10/00	4	67.57	61.37
		9/11/00	5	68.00	62.00
		9/12/00	6	69.03	64.70
		9/13/00	7	68.17	63.30
		9/14/00	8		62.20
		9/15/00	9	70.57	62.30
		9/16/00	10	65.80	61.63
		9/17/00	11	69.30	61.75
		9/18/00	12	46.50	
		9/19/00	13	66.73	62.93
		9/20/00	14	67.37	62.13
		9/21/00	15	67.10	62.80
		9/22/00	16	65.47	60.40
		9/23/00	17	63.60	61.37

All average temperatures are in degrees centigrade

Friday, June 28, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S187	9/6/00	9/6/00	0		7.93
		9/7/00	1	4.13	4.97
		9/8/00	2	5.50	0.97
		9/9/00	3	5.57	4.40
		9/10/00	4	9.33	9.60
		9/11/00	5	9.53	9.57
		9/12/00	6	9.83	3.27
		9/13/00	7	13.70	9.20
		9/14/00	8		9.27
		9/15/00	9	5.33	9.40
		9/16/00	10	10.83	12.90
		9/17/00	11	9.80	16.90
		9/18/00	12	11.97	5.63
		9/19/00	13	19.57	4.93
		9/20/00	14	7.37	7.77
		9/21/00	15		6.33
		9/22/00	16	9.50	4.57
		9/23/00	17	3.27	

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S187	9/6/00	9/6/00	0		42.94
		9/7/00	1		47.76
		9/8/00	2		
		9/9/00	3		
		9/10/00	4		
		9/11/00	5		
		9/12/00	6		
		9/13/00	7		37.40
		9/14/00	8		
		9/15/00	9		39.24
		9/16/00	10		
		9/17/00	11		
		9/18/00	12		
		9/19/00	13		
		9/20/00	14		
		9/21/00	15		
		9/22/00	16		41.30
		9/23/00	17		

All average MWHC values are expressed in percent

Windrow Number: S187 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	09/06/00	09/25/00	19	03	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*492*
135TNB	09/06/00	09/25/00	19	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
135TNB	09/06/00	09/25/00	19	07	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*492*
135TNB	09/06/00	09/25/00	19	09	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*484*
135TNB	09/06/00	09/25/00	19	11	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 19 : 490

Standard Deviation: 12

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: S187 *1,3-DINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
13DNB	09/06/00	09/25/00	19	03	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 03 :			*492*
13DNB	09/06/00	09/25/00	19	05	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*500*
13DNB	09/06/00	09/25/00	19	07	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*492*
13DNB	09/06/00	09/25/00	19	09	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 09 :			*484*
13DNB	09/06/00	09/25/00	19	11	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 19 : ***490***

Standard Deviation: ***12***

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: S187 *2,4,6-TRINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
246TNT	09/06/00	09/25/00	19	03	1	LT 500	
					2	LT 500	
					3	223 J	
				Average Concentration for Cross Section 03 :			*408*
246TNT	09/06/00	09/25/00	19	05	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*500*
246TNT	09/06/00	09/25/00	19	07	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*492*
246TNT	09/06/00	09/25/00	19	09	1	LT 476	
					2	137 J	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*371*
246TNT	09/06/00	09/25/00	19	11	1	LT 476	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 19 : 451

Standard Deviation: 112

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S187 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	09/06/00	09/25/00	19	03	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 03 :			*492*
24DNT	09/06/00	09/25/00	19	05	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*500*
24DNT	09/06/00	09/25/00	19	07	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*492*
24DNT	09/06/00	09/25/00	19	09	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 09 :			*484*
24DNT	09/06/00	09/25/00	19	11	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 19 : 490

Standard Deviation: 12

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S187

2-NITROTOLUENE Results

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
2NT	09/06/00	09/25/00	19	03	1	LT	500	
					2	LT	500	
					3	LT	476	
					Average Concentration for Cross Section 03 :			*492*
2NT	09/06/00	09/25/00	19	05	1	LT	500	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 05 :			*500*
2NT	09/06/00	09/25/00	19	07	1	LT	476	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 07 :			*492*
2NT	09/06/00	09/25/00	19	09	1	LT	476	
					2	LT	476	
					3	LT	500	
					Average Concentration for Cross Section 09 :			*484*
2NT	09/06/00	09/25/00	19	11	1	LT	476	
					2	LT	476	
					3	LT	500	
					Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 19 : 490

Standard Deviation: 12

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: S187 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
3NT	09/06/00	09/25/00	19	03	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 03 :			*492*
3NT	09/06/00	09/25/00	19	05	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*500*
3NT	09/06/00	09/25/00	19	07	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*492*
3NT	09/06/00	09/25/00	19	09	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 09 :			*484*
3NT	09/06/00	09/25/00	19	11	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 19 : 490

Standard Deviation: 12

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: S187 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	09/06/00	09/25/00	19	03	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*492*
4A26DT	09/06/00	09/25/00	19	05	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*500*
4A26DT	09/06/00	09/25/00	19	07	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*492*
4A26DT	09/06/00	09/25/00	19	09	1	LT 476	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*484*
4A26DT	09/06/00	09/25/00	19	11	1	LT 476	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 19 : 490

Standard Deviation: 12

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: S187 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4NT	09/06/00	09/25/00	19	03	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*492*
4NT	09/06/00	09/25/00	19	05	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*500*
4NT	09/06/00	09/25/00	19	07	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*492*
4NT	09/06/00	09/25/00	19	09	1	LT 476	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*484*
4NT	09/06/00	09/25/00	19	11	1	LT 476	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 19 : 490

Standard Deviation: 12

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: S187 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
RDX	09/06/00	09/25/00	19	03	1		442 J	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*473*
RDX	09/06/00	09/25/00	19	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
RDX	09/06/00	09/25/00	19	07	1	LT	476	
					2		1920	
					3		2320	
				Average Concentration for Cross Section 07 :				*1572*
RDX	09/06/00	09/25/00	19	09	1		1800	
					2		244 J	
					3		10600	
				Average Concentration for Cross Section 09 :				*4215*
RDX	09/06/00	09/25/00	19	11	1		616	
					2	LT	476	
					3		1660	
				Average Concentration for Cross Section 11 :				*917*

Average Concentration for Windrow on Day 19 : ***1535***

Standard Deviation: ***2596***

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: S187 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
TETRYL	09/06/00	09/25/00	19	03	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*492*
TETRYL	09/06/00	09/25/00	19	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
TETRYL	09/06/00	09/25/00	19	07	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*492*
TETRYL	09/06/00	09/25/00	19	09	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*484*
TETRYL	09/06/00	09/25/00	19	11	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 19 : 490

Standard Deviation: 12

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-188 Day 0: 9/14/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.25	6100	12.25	2900	5.275	11605	20.775	20605
2	3.25	6300	12.25	2900	5.275	11605	20.775	20805
3	3.15	5800	12.15	2600	5.275	11605	20.575	20005
4	3.1	5930	12.15	2540	5.275	11605	20.525	20075
5	3.6	6200	12.75	2900	5.275	11605	21.625	20705
6	3.25	5900	12	2400	5.275	11605	20.525	19905
7	3.15	5800	12.25	2500	5.275	11605	20.675	19905
8	3	5700	12.75	2900	5.275	11605	21.025	20205
9	3.25	5900	12.75	2900	5.275	11605	21.275	20405
10	3.25	5900	12.75	2900	5.275	11605	21.275	20405
11	3.15	5800	12.5	2800	5.275	11605	20.925	20205
12	3	5700	12.75	2900	5.275	11605	21.025	20205
13	3.15	5820	12	2400	5.275	11605	20.425	19825
14	3.25	5910	12.15	2470	5.275	11605	20.675	19985
15	3.1	5900	12.1	2490	5.275	11605	20.475	19995
16	3.1	5790	12.1	2470	5.275	11605	20.475	19865
17	3.15	5810	12.15	2540	5.275	11605	20.575	19955
18	3.1	5720	12.1	2490	5.275	11605	20.475	19815
19	3.1	5700	12.15	2550	5.275	11605	20.525	19855
20	3.1	5820	12.1	2480	5.275	11605	20.475	19905
21	3.1	5770	12.15	2560	5.275	11605	20.525	19935
22	3	5700	12.1	2410	5.275	11605	20.375	19715
23	3.15	5810	12.1	2470	5.275	11605	20.525	19885
24	3.1	5720	12.1	2430	5.275	11605	20.475	19755
25	3.15	5860	12.15	2570	5.275	11605	20.575	20035
26	3.1	5760	12.15	2590	5.275	11605	20.525	19955
27	3.15	5890	12.1	2440	5.275	11605	20.525	19935
28	3.1	5760	12	2400	5.275	11605	20.375	19765
29	3	5700	12.1	2460	5.275	11605	20.375	19765
30	3.15	5800	12.1	2450	5.275	11605	20.525	19855
31	3.1	5780	12	2400	5.275	11605	20.375	19785
32	3	5700	12.15	2540	5.275	11605	20.425	19845
33	3.15	5840	12.25	2610	5.275	11605	20.675	20055
34	3.15	5820	12.5	2740	5.275	11605	20.925	20165
35	3.15	5860	12.15	2550	5.275	11605	20.575	20015
36	3	5710	12	2400	5.275	11605	20.275	19715
37	3.15	5840	12.1	2490	5.275	11605	20.525	19935
38	3	5700	12.15	2570	5.275	11605	20.425	19875
39					5.275	11605	5.275	11605
40					5.275	11605	5.275	11605
41								
42								
43								
Total	119.15	221520	464.5	98110	211.00	464200	794.65	783830

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 188 PERFORMED BY: _____

DATE: 9/13/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.25	6100	12.25	2900				
2	3.25	6300	12.25	2900				
3	3.15	5800	12.15	2600				
4	3.10	5930	12.15	2540				
5	3.60	6200	12.25	2900				
6	3.25	5900	12	2400				
7	3.15	5800	12.25	2500				
8	3	5700	12.25	2900				
9	3.25	5900	12.25	2900				
10	3.25	5900	12.25	2900				
11	3.15	5800	12.50	2800				
12	3	5700	12.25	2900				
13	3.15	5830	12	2400				
14	3.25	5910	12.15	2470				
15	3.10	59	12.10	2490				
16								
17								
18								
19								
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 188 PERFORMED BY: [illegible]

DATE: 9/13/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5790	12.10	2470				
2	3.15	5810	12.15	2540				
3	3.10	5720	12.10	2490				
4	3.10	5700	12.15	2550				
5	3.10	5820	12.10	2480				
6	3.10	5770	12.15	2560				
7	3	5700	12.10	2410				
8	3.15	5810	12.10	2470				
9	3.10	5720	12.10	2430				
10	3.15	5860	12.15	2570				
11	3.10	5760	12.15	2590				
12	3.15	5890	12.10	2440				
13	3.10	5760	12	2400				
14	3	5700	12.10	2460				
15	3.15	5800	12.10	2450				
16	3.10	5760	12	2400				
17	3	5700	12.15	2540				
18	3.15	5840	12.25	2610				
19	3.15	5820	12.50	2740				
al								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 188 PERFORMED BY: [illegible]

DATE: 9/13/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.15	5860	12.15	2550				
21	3	5710	12	2400				
22	3.15	5840	12.10	2490				
23	3	5700	12.15	2570				
[redacted]								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
M188	9/14/00	9/14/00	0		46.73
		9/15/00	1	61.57	53.77
		9/16/00	2	59.80	60.23
		9/17/00	3	64.95	54.60
		9/18/00	4	56.63	23.36
		9/19/00	5	65.83	64.23
		9/20/00	6	66.97	62.17
		9/21/00	7	66.47	62.97
		9/22/00	8	67.10	61.57
		9/23/00	9	68.30	64.73
		9/25/00	11	68.60	63.03
		9/26/00	12	69.63	63.70
		9/27/00	13	79.63	61.80
		9/28/00	14	64.87	62.13
		9/29/00	15	65.10	58.60
		9/30/00	16	52.17	57.90
		10/2/00	18	66.23	59.77
		10/3/00	19	62.80	58.70
		10/4/00	20	62.93	59.73

All average temperatures are in degrees centigrade

Friday, June 28, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M188	9/14/00	9/14/00	0		9.33
		9/15/00	1	3.30	5.50
		9/16/00	2	11.67	12.40
		9/17/00	3	14.35	12.20
		9/18/00	4	15.27	9.57
		9/19/00	5	13.00	15.83
		9/20/00	6	12.97	19.83
		9/21/00	7	18.19	8.10
		9/22/00	8	9.30	13.83
		9/23/00	9	12.03	
		9/25/00	11	10.20	6.07
		9/26/00	12	6.77	3.20
		9/27/00	13	4.13	4.93
		9/28/00	14	4.03	
		9/29/00	15	3.53	4.10
		9/30/00	16	10.17	7.23
		10/2/00	18		
		10/3/00	19	3.40	7.87
		10/4/00	20	10.07	2.83

All average Oxygen values are expressed as a percent

Windrow Number: M188 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	09/14/00	10/05/00	21	03	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*492*
135TNB	09/14/00	10/05/00	21	05	1	LT	476	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*469*
135TNB	09/14/00	10/05/00	21	07	1	LT	476	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*469*
135TNB	09/14/00	10/05/00	21	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
135TNB	09/14/00	10/05/00	21	11	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*461*

Average Concentration for Windrow on Day 21 : ***478***

Standard Deviation: ***18***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M188 *1,3-DINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
13DNB	09/14/00	10/05/00	21	03	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*492*
13DNB	09/14/00	10/05/00	21	05	1	LT 476	
					2	LT 454	
					3	LT 476	
				Average Concentration for Cross Section 05 :			*469*
13DNB	09/14/00	10/05/00	21	07	1	LT 476	
					2	LT 476	
					3	LT 454	
				Average Concentration for Cross Section 07 :			*469*
13DNB	09/14/00	10/05/00	21	09	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*500*
13DNB	09/14/00	10/05/00	21	11	1	LT 454	
					2	LT 476	
					3	LT 454	
				Average Concentration for Cross Section 11 :			*461*

Average Concentration for Windrow on Day 21 : 478

Standard Deviation: 18

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M188 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	09/14/00	10/05/00	21	03	1		227 J	
					2		2040	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*922*
246TNT	09/14/00	10/05/00	21	05	1	LT	476	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*469*
246TNT	09/14/00	10/05/00	21	07	1	LT	476	
					2		158 J	
					3		114 J	
				Average Concentration for Cross Section 07 :				*249*
246TNT	09/14/00	10/05/00	21	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
246TNT	09/14/00	10/05/00	21	11	1	LT	454	
					2	LT	476	
					3		109 J	
				Average Concentration for Cross Section 11 :				*346*

Average Concentration for Windrow on Day 21 : ***497***

Standard Deviation: ***453***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M188 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	09/14/00	10/05/00	21	03	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*492*
24DNT	09/14/00	10/05/00	21	05	1	LT	476	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*469*
24DNT	09/14/00	10/05/00	21	07	1	LT	476	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*469*
24DNT	09/14/00	10/05/00	21	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
24DNT	09/14/00	10/05/00	21	11	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*461*

Average Concentration for Windrow on Day 21 : ***478***

Standard Deviation: ***18***

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M188 **2,6-DINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	09/14/00	10/05/00	21	03	1	LT	476
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 03 :		*492*
26DNT	09/14/00	10/05/00	21	05	1	LT	476
					2	LT	454
					3	LT	476
					Average Concentration for Cross Section 05 :		*469*
26DNT	09/14/00	10/05/00	21	07	1	LT	476
					2	LT	476
					3	LT	454
					Average Concentration for Cross Section 07 :		*469*
26DNT	09/14/00	10/05/00	21	09	1	LT	500
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 09 :		*500*
26DNT	09/14/00	10/05/00	21	11	1	LT	454
					2	LT	476
					3	LT	454
					Average Concentration for Cross Section 11 :		*461*

Average Concentration for Windrow on Day 21 : 478

Standard Deviation: 18

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M188 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	09/14/00	10/05/00	21	03	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*492*
2A46DT	09/14/00	10/05/00	21	05	1	LT	476	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*469*
2A46DT	09/14/00	10/05/00	21	07	1		603	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*511*
2A46DT	09/14/00	10/05/00	21	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
2A46DT	09/14/00	10/05/00	21	11	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*461*

Average Concentration for Windrow on Day 21 : 487

Standard Deviation: 37

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M188 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2NT	09/14/00	10/05/00	21	03	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*492*
2NT	09/14/00	10/05/00	21	05	1	LT	476	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*469*
2NT	09/14/00	10/05/00	21	07	1	LT	476	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*469*
2NT	09/14/00	10/05/00	21	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
2NT	09/14/00	10/05/00	21	11	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*461*

Average Concentration for Windrow on Day 21 : 478

Standard Deviation: 18

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: M188 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	09/14/00	10/05/00	21	03	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*492*
3NT	09/14/00	10/05/00	21	05	1	LT	476
					2	LT	454
					3	LT	476
				Average Concentration for Cross Section 05 :			*469*
3NT	09/14/00	10/05/00	21	07	1	LT	476
					2	LT	476
					3	LT	454
				Average Concentration for Cross Section 07 :			*469*
3NT	09/14/00	10/05/00	21	09	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*500*
3NT	09/14/00	10/05/00	21	11	1	LT	454
					2	LT	476
					3	LT	454
				Average Concentration for Cross Section 11 :			*461*

Average Concentration for Windrow on Day 21 : 478

Standard Deviation: 18

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: M188

4-AMINO-2,6-DINITROTOLUENE Results

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	09/14/00	10/05/00	21	03	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*492*
4A26DT	09/14/00	10/05/00	21	05	1	LT	476	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*469*
4A26DT	09/14/00	10/05/00	21	07	1		577	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*502*
4A26DT	09/14/00	10/05/00	21	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
4A26DT	09/14/00	10/05/00	21	11	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*461*

Average Concentration for Windrow on Day 21 : 485

Standard Deviation: 31

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M188 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	09/14/00	10/05/00	21	03	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*492*
4NT	09/14/00	10/05/00	21	05	1	LT	476
					2	LT	454
					3	LT	476
				Average Concentration for Cross Section 05 :			*469*
4NT	09/14/00	10/05/00	21	07	1	LT	476
					2	LT	476
					3	LT	454
				Average Concentration for Cross Section 07 :			*469*
4NT	09/14/00	10/05/00	21	09	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*500*
4NT	09/14/00	10/05/00	21	11	1	LT	454
					2	LT	476
					3	LT	454
				Average Concentration for Cross Section 11 :			*461*

Average Concentration for Windrow on Day 21 : 478

Standard Deviation: 18

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M188 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
HMX	09/14/00	10/05/00	21	03	1	397 J	
					2	1900	
					3	1020	
				Average Concentration for Cross Section 03 :			*1106*
HMX	09/14/00	10/05/00	21	05	1	556	
					2	529	
					3	1110	
				Average Concentration for Cross Section 05 :			*732*
HMX	09/14/00	10/05/00	21	07	1	LT 476	
					2	2940	
					3	1970	
				Average Concentration for Cross Section 07 :			*1795*
HMX	09/14/00	10/05/00	21	09	1	353 J	
					2	1310	
					3	2200	
				Average Concentration for Cross Section 09 :			*1288*
HMX	09/14/00	10/05/00	21	11	1	282 J	
					2	571	
					3	450 J	
				Average Concentration for Cross Section 11 :			*434*

Average Concentration for Windrow on Day 21 : 1071

Standard Deviation: 822

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M188 *NITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
NB	09/14/00	10/05/00	21	03	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*492*
NB	09/14/00	10/05/00	21	05	1	LT	476	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*469*
NB	09/14/00	10/05/00	21	07	1	LT	476	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*469*
NB	09/14/00	10/05/00	21	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
NB	09/14/00	10/05/00	21	11	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*461*

Average Concentration for Windrow on Day 21 : 478

Standard Deviation: 18

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M188 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
RDX	09/14/00	10/05/00	21	03	1	1530	
					2	6550	
					3	1700	
					Average Concentration for Cross Section 03 :		*3260*
RDX	09/14/00	10/05/00	21	05	1	1020	
					2	175 J	
					3	2560	
					Average Concentration for Cross Section 05 :		*1252*
RDX	09/14/00	10/05/00	21	07	1	LT 476	
					2	4310	
					3	3560	
					Average Concentration for Cross Section 07 :		*2782*
RDX	09/14/00	10/05/00	21	09	1	849	
					2	1760	
					3	6870	
					Average Concentration for Cross Section 09 :		*3160*
RDX	09/14/00	10/05/00	21	11	1	LT 454	
					2	478	
					3	1330	
					Average Concentration for Cross Section 11 :		*754*

Average Concentration for Windrow on Day 21 : 2241

Standard Deviation: 2156

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M188 **TETRYL Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
TETRYL	09/14/00	10/05/00	21	03	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*492*
TETRYL	09/14/00	10/05/00	21	05	1	LT	476	
					2	LT	454	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*469*
TETRYL	09/14/00	10/05/00	21	07	1	LT	476	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*469*
TETRYL	09/14/00	10/05/00	21	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
TETRYL	09/14/00	10/05/00	21	11	1	LT	454	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*461*

Average Concentration for Windrow on Day 21 : 478

Standard Deviation: 18

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-189 Day 0: 9/22/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.15	5800	12.2	2720	5.275	11605	20.625	20125
2	3.1	5790	12.2	2670	5.275	11605	20.575	20065
3	3.15	5840	12.15	2540	5.275	11605	20.575	19985
4	3.1	5780	12.15	2510	5.275	11605	20.525	19895
5	3.15	5810	12.25	2790	5.275	11605	20.675	20205
6	3.1	5740	12.1	2490	5.275	11605	20.475	19835
7	3.1	5790	12.2	2600	5.275	11605	20.575	19995
8	3.1	5710	12.2	2630	5.275	11605	20.575	19945
9	3.15	5840	12.25	2780	5.275	11605	20.675	20225
10	3.1	5720	12	2400	5.275	11605	20.375	19725
11	3.15	5810	12.1	2460	5.275	11605	20.525	19875
12	3	5700	12.15	2540	5.275	11605	20.425	19845
13	3.15	5840	12.1	2490	5.275	11605	20.525	19935
14	3.1	5730	12.15	2510	5.275	11605	20.525	19845
15	3.15	5800	12.1	2450	5.275	11605	20.525	19855
16	3.15	5860	12.15	2550	5.275	11605	20.575	20015
17	3.15	5800	12	2400	5.275	11605	20.425	19805
18	3.1	5760	12.1	2430	5.275	11605	20.475	19795
19	3.15	5810	12.15	2530	5.275	11605	20.575	19945
20	3.15	5810	12.1	2490	5.275	11605	20.525	19905
21	3.15	5800	12.15	2550	5.275	11605	20.575	19955
22	3.1	5720	12.15	2500	5.275	11605	20.525	19825
23	3	5700	12.5	2600	5.275	11605	20.775	19905
24	3.15	5800	12	2400	5.275	11605	20.425	19805
25	3.25	5900	12.75	2800	5.275	11605	21.275	20305
26	3	5700	12	2400	5.275	11605	20.275	19705
27	3.25	5900	12.5	2600	5.275	11605	21.025	20105
28	3.15	5800	13	2900	5.275	11605	21.425	20305
29	3	5700	12	2400	5.275	11605	20.275	19705
30	3.25	5900	12	2400	5.275	11605	20.525	19905
31	3.15	5800	12.75	2800	5.275	11605	21.175	20205
32	3.25	5900	12	2400	5.275	11605	20.525	19905
33	3.15	5800	12.25	2500	5.275	11605	20.675	19905
34	3	5700	12	2400	5.275	11605	20.275	19705
35	3	5700	12	2400	5.275	11605	20.275	19705
36	3	5740	12	2520	5.275	11605	20.275	19865
37	3.15	5800	12.2	2540	5.275	11605	20.625	19945
38	3.15	5720	12.5	2560	5.275	11605	20.925	19885
39	3	5720	12	2480	5.275	11605	20.275	19805
40	3	5760	12	2440	5.275	11605	20.275	19805
41								
42								
43								
Total	124.6	231300	487.55	101570	211.00	464200	823.15	797070

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 189 PERFORMED BY: _____

DATE: 9/21/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.15	5800	12.20	2720				
2	3.10	5790	12.20	2670				
3	3.15	5840	12.15	2540				
4	3.10	5730	12.15	2510				
5	3.15	5810	12.25	2790				
6	3.10	5740	12.10	2490				
7	3.10	5790	12.20	2600				
8	3.10	5710	12.20	2630				
9	3.15	5840	12.25	2780				
10	3.10	5720	12	2400				
11	3.15	5810	12.10	2460				
12	3	5700	12.15	2540				
13	3.15	5840	12.10	2490				
14	3.10	5730	12.15	2510				
15	3.15	5800	12.10	2450				
16	3.15	5860	12.15	2550				
17	3.15	5800	12	2400				
18	3.10	5760	12.10	2430				
19	3.15	5810	12.15	2530				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 189 PERFORMED BY: _____

DATE: 9 12 100 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.15	5810	12.10	2490				
21	3.15	5800	12.15	2550				
22	3.10	5720	12.15	2500				
[redacted]								
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # M189 PERFORMED BY: _____

DATE: 9 1 100 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1020								
23 1	3	5700	12.50	2600				
24 2	3.15	58	12	2400				
25 3	3.25	59	12.75	2800				
26 4	3	57	12	2400				
27 5	3.25	59	12.50	2600				
28 6	3.15	58	13	2900				
29 7	3	57	12	2400				
30 8	3.25	59	12	2400				
31 9	3.15	5900	12.75	2900				
32 10	3.25	59	12	2400				
33 11	3.15	5800	12.25	2500				
34 12	3	5700	12	2400				
35 13	3	5700	12	2400				
36 14	3	5740	12	2420				
37 15	3.15	5800	12.2	2540				
38 16	3.15	5920	12.50	2560				
39 17	3	5720	12	2480				
40 18	3	5760	12	2440				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
M189	9/22/00	9/22/00	0		40.83
		9/23/00	1	52.43	54.23
		9/25/00	3	63.33	62.27
		9/26/00	4	70.07	66.23
		9/27/00	5	115.50	65.37
		9/28/00	6	68.33	62.93
		9/29/00	7	70.60	71.97
		9/30/00	8	66.60	59.57
		10/2/00	10	70.40	63.80
		10/4/00	12	69.23	64.27
		10/5/00	13	66.20	65.77
		10/6/00	14	65.53	61.37
		10/7/00	15	61.03	57.30
		10/9/00	17	59.47	55.40

All average temperatures are in degrees centigrade

Friday, June 28, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M189	9/22/00	9/22/00	0		15.40
		9/23/00	1	19.75	
		9/25/00	3	17.47	15.60
		9/26/00	4	9.43	
		9/27/00	5	7.97	10.23
		9/28/00	6	8.03	
		9/29/00	7	10.00	7.47
		9/30/00	8	13.27	12.23
		10/2/00	10		
		10/4/00	12	9.17	5.57
		10/5/00	13	9.43	11.13
		10/6/00	14	12.20	13.83
		10/7/00	15	12.63	14.70
		10/9/00	17	11.20	10.45

All average Oxygen values are expressed as a percent

Friday, June 28, 2002

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M189	9/22/00	9/22/00	0		54.34
		9/23/00	1		
		9/25/00	3		
		9/26/00	4		
		9/27/00	5		
		9/28/00	6		
		9/29/00	7		
		9/30/00	8		
		10/2/00	10		37.82
		10/4/00	12		39.70
		10/5/00	13		
		10/6/00	14		38.04
		10/7/00	15		
		10/9/00	17		47.96

All average MWHC values are expressed in percent

Friday, June 28, 2002

Average Daily Windrow PH Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn*	*PRE-Turn*
M189	9/22/00	10/2/00	10		8.34

All average PH values are expressed in standard units

Friday, June 28, 2002

Windrow Number: M189 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
246TNT	09/22/00	10/10/00	18	03	1	150 J	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*383*
246TNT	09/22/00	10/10/00	18	05	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 05 :			*492*
246TNT	09/22/00	10/10/00	18	07	1	LT 476	
					2	395 J	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*457*
246TNT	09/22/00	10/10/00	18	09	1	LT 476	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*476*
246TNT	09/22/00	10/10/00	18	11	1	LT 500	
					2	LT 435	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*478*

Average Concentration for Windrow on Day 18 : 457

Standard Deviation: 90

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M189 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	09/22/00	10/10/00	18	03	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*492*
24DNT	09/22/00	10/10/00	18	05	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 05 :			*492*
24DNT	09/22/00	10/10/00	18	07	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 07 :			*484*
24DNT	09/22/00	10/10/00	18	09	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 09 :			*476*
24DNT	09/22/00	10/10/00	18	11	1	LT	500
					2	LT	435
					3	LT	500
				Average Concentration for Cross Section 11 :			*478*

Average Concentration for Windrow on Day 18 : 484

Standard Deviation: 18

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M189 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	09/22/00	10/10/00	18	03	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*492*
26DNT	09/22/00	10/10/00	18	05	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 05 :			*492*
26DNT	09/22/00	10/10/00	18	07	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 07 :			*484*
26DNT	09/22/00	10/10/00	18	09	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 09 :			*476*
26DNT	09/22/00	10/10/00	18	11	1	LT	500
					2	LT	435
					3	LT	500
				Average Concentration for Cross Section 11 :			*478*

Average Concentration for Windrow on Day 18 : 484

Standard Deviation: 18

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M189 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	09/22/00	10/10/00	18	03	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*492*
2A46DT	09/22/00	10/10/00	18	05	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 05 :			*492*
2A46DT	09/22/00	10/10/00	18	07	1	LT 476	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*484*
2A46DT	09/22/00	10/10/00	18	09	1	LT 476	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*476*
2A46DT	09/22/00	10/10/00	18	11	1	LT 500	
					2	LT 435	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*478*

Average Concentration for Windrow on Day 18 : 484

Standard Deviation: 18

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M189 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	09/22/00	10/10/00	18	03	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*492*
4A26DT	09/22/00	10/10/00	18	05	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 05 :			*492*
4A26DT	09/22/00	10/10/00	18	07	1	LT 476	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*484*
4A26DT	09/22/00	10/10/00	18	09	1	LT 476	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*476*
4A26DT	09/22/00	10/10/00	18	11	1	LT 500	
					2	LT 435	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*478*

Average Concentration for Windrow on Day 18 : 484

Standard Deviation: 18

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M189 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
4NT	09/22/00	10/10/00	18	03	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*492*
4NT	09/22/00	10/10/00	18	05	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*492*
4NT	09/22/00	10/10/00	18	07	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*484*
4NT	09/22/00	10/10/00	18	09	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*476*
4NT	09/22/00	10/10/00	18	11	1	LT	500	
					2	LT	435	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*478*

Average Concentration for Windrow on Day 18 : ***484***

Standard Deviation: ***18***

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M189 *HMX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
HMX	09/22/00	10/10/00	18	03	1	344 J	
					2	74.9 J	
					3	1060	
				Average Concentration for Cross Section 03 :			*493*
HMX	09/22/00	10/10/00	18	05	1	LT 500	
					2	2700	
					3	546	
				Average Concentration for Cross Section 05 :			*1249*
HMX	09/22/00	10/10/00	18	07	1	LT 476	
					2	5350	
					3	2970	
				Average Concentration for Cross Section 07 :			*2932*
HMX	09/22/00	10/10/00	18	09	1	LT 476	
					2	765	
					3	390 J	
				Average Concentration for Cross Section 09 :			*544*
HMX	09/22/00	10/10/00	18	11	1	LT 500	
					2	272 J	
					3	4240	
				Average Concentration for Cross Section 11 :			*1671*

Average Concentration for Windrow on Day 18 : 1378

Standard Deviation: 1638

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M189 *NITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
NB	09/22/00	10/10/00	18	03	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*492*
NB	09/22/00	10/10/00	18	05	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 05 :			*492*
NB	09/22/00	10/10/00	18	07	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 07 :			*484*
NB	09/22/00	10/10/00	18	09	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 09 :			*476*
NB	09/22/00	10/10/00	18	11	1	LT	500
					2	LT	435
					3	LT	500
				Average Concentration for Cross Section 11 :			*478*

Average Concentration for Windrow on Day 18 : 484

Standard Deviation: 18

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M189 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
RDX	09/22/00	10/10/00	18	03	1		260 J	
					2		661	
					3		849	
				Average Concentration for Cross Section 03 :				*590*
RDX	09/22/00	10/10/00	18	05	1	LT	500	
					2		1700	
					3		273 J	
				Average Concentration for Cross Section 05 :				*824*
RDX	09/22/00	10/10/00	18	07	1	LT	476	
					2		7470	
					3		3370	
				Average Concentration for Cross Section 07 :				*3772*
RDX	09/22/00	10/10/00	18	09	1		815	
					2		2120	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*1137*
RDX	09/22/00	10/10/00	18	11	1	LT	500	
					2	LT	435	
					3		2840	
				Average Concentration for Cross Section 11 :				*1258*

Average Concentration for Windrow on Day 18 : 1516

Standard Deviation: 1913

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M189 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
TETRYL	09/22/00	10/10/00	18	03	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*492*
TETRYL	09/22/00	10/10/00	18	05	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*492*
TETRYL	09/22/00	10/10/00	18	07	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*484*
TETRYL	09/22/00	10/10/00	18	09	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*476*
TETRYL	09/22/00	10/10/00	18	11	1	LT	500	
					2	LT	435	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*478*

Average Concentration for Windrow on Day 18 : ***484***

Standard Deviation: ***18***

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-190 Day 0: 9/26/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.15	5850	13	3000	5.275	11605	21.425	20455
2	3	5780	12.75	2700	5.275	11605	21.025	20085
3	3.15	5840	12.5	2510	5.275	11605	20.925	19955
4	3.2	5890	12	2480	5.275	11605	20.475	19975
5	3	5780	12	2400	5.275	11605	20.275	19785
6	3.15	5800	12.25	2580	5.275	11605	20.675	19985
7	3	5720	12.5	2600	5.275	11605	20.775	19925
8	3	5760	12	2480	5.275	11605	20.275	19845
9	3.25	5820	12.5	2620	5.275	11605	21.025	20045
10	3	5740	12	2460	5.275	11605	20.275	19805
11	3	5750	12.25	2540	5.275	11605	20.525	19895
12	3	5780	12.25	2600	5.275	11605	20.525	19985
13	3.25	5890	12	2480	5.275	11605	20.525	19975
14	3	5740	12	2460	5.275	11605	20.275	19805
15	3.15	5810	12.4	2720	5.275	11605	20.825	20135
16	3	5720	12	2400	5.275	11605	20.275	19725
17	3.15	5810	12.2	2610	5.275	11605	20.625	20025
18	3.2	5880	12.25	2790	5.275	11605	20.725	20275
19	3.2	5840	12.25	2660	5.275	11605	20.725	20105
20	2.9	5400	13	3400	5.275	11605	21.175	20405
21	3.5	5800	12.5	2800	5.275	11605	21.275	20205
22	3.5	5890	12.25	3870	5.275	11605	21.025	21365
23	3.75	6000	12.25	2500	5.275	11605	21.275	20105
24	3.5	5900	12.75	3000	5.275	11605	21.525	20505
25	3.75	6000	12.5	2900	5.275	11605	21.525	20505
26	3.5	5800	12.25	2500	5.275	11605	21.025	19905
27	3.75	5900	12	2400	5.275	11605	21.025	19905
28	3.15	5900	12.5	2900	5.275	11605	20.925	20405
29	3.5	5900	12	2400	5.275	11605	20.775	19905
30	3.25	5900	12	2400	5.275	11605	20.525	19905
31	3	5700	12.5	2600	5.275	11605	20.775	19905
32	3	5700	12.9	3000	5.275	11605	21.175	20305
33	3	5810	12	2750	5.275	11605	20.275	20165
34	3.15	6000	12.5	2900	5.275	11605	20.925	20505
35	3.75	5800	12	2400	5.275	11605	21.025	19805
36	3.15	5900	12.5	2900	5.275	11605	20.925	20405
37	3.25	5900	12	2900	5.275	11605	20.525	20405
38	3.25	5790	12.5	2740	5.275	11605	21.025	20135
39	3.15	5850	12.25	2520	5.275	11605	20.675	19975
40	3.15	5810	12.5	2630	5.275	11605	20.925	20045
41								
42								
43								
Total	128.75	232850	492.75	107500	211.00	464200	832.5	804550

RECORD OF RECIPE (MIX NO. 7B)

uilding # 5 Windrow # 5190 PERFORMED BY: TH

DATE: 9 12 5 00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	315	5850	1300	3000				
2	3	5780	1275	2700				
3	315	5840	1250	2510				
4	320	5890	1200	2480				
5	3	5780	1200	2400				
6	315	5800	1225	2580				
7	3	5720	1250	2600				
8	3	5760	12	2480				
9	325	5820	1250	2620				
10	3	5740	12	2460				
11	3	5750	1225	2540				
12	3	5780	1225	2600				
13	325	5890	12	2480				
14	3	5740	12	2480				
15	315	5810	1240	2720				
16	3	5720	12	2400				
17	315	5810	1220	2610				
18	320	5880	1225	2790				
19	320	5840	1225	2660				
al								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # _____ Windrow # _____ PERFORMED BY: TH

DATE: 9/25/00 INSPECTED BY: _____

Design Quantity: Chicken Manure _____ CY _____ Pounds
Straw _____ CY 2400 Pounds
Soil _____ CY 5700 Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	290	5400	13	3400				
2	350	5800	12 50	2800				
3	350	5890	13 25	3890				
4	375	6000	12 25	2500				
5	350	5900	12 75	3000				
6	375	6000	12 50	2900				
7	315	5800	12 25	2500				
8	350	5900	12	2400				
9	350	5900	12 50	2900				
10	350	5900	12	2400				
11	325	5900	12	2400				
12	3	5700	12 50	2600				
13	3	5700	12 90	3000				
14	315	5810	12	2750				
15	375	6000	12 50	2900				
16	315	5800	12	2400				
17	325	5900	12 50	2900				
18	325	5900	12 50	2900				
19								
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # S Windrow # S190 PERFORMED BY: JH

DATE: 9 12 81 INSPECTED BY: _____

Design Quantity: Chicken Manure _____ CY _____ Pounds
Straw _____ CY _____ Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		[illegible] Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	315	5790	1250	2540				
21	315	5850	1225	2520				
22	315	5810	1250	2630				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
S190	9/26/00	9/26/00	0		41.97
		9/27/00	1	117.90	56.83
		9/28/00	2	62.90	56.53
		9/29/00	3	67.67	59.23
		9/30/00	4	65.43	55.90
		10/2/00	6	66.47	65.20
		10/3/00	7	69.40	65.40
		10/4/00	8	70.20	64.07
		10/5/00	9	68.13	63.40
		10/6/00	10	67.50	62.50
		10/7/00	11	60.13	55.63
		10/9/00	13	58.97	54.97
		10/10/00	14	60.70	57.47
		10/11/00	15	60.13	59.77

All average temperatures are in degrees centigrade

Friday, June 28, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S190	9/26/00	9/26/00	0		
		9/27/00	1	4.53	20.00
		9/28/00	2	9.40	16.86
		9/29/00	3	11.20	7.33
		9/30/00	4	16.43	14.37
		10/2/00	6	15.80	
		10/3/00	7	7.33	9.10
		10/4/00	8	10.37	11.17
		10/5/00	9	21.00	10.47
		10/6/00	10	16.23	13.30
		10/7/00	11	15.67	17.00
		10/9/00	13	15.83	12.00
		10/10/00	14	9.83	9.07
		10/11/00	15	9.50	8.93

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S190	9/26/00	9/26/00	0		
		9/27/00	1		
		9/28/00	2		52.66
		9/29/00	3		
		9/30/00	4		
		10/2/00	6		
		10/3/00	7		
		10/4/00	8		43.92
		10/5/00	9		
		10/6/00	10		
		10/7/00	11		
		10/9/00	13		41.60
		10/10/00	14		41.28
		10/11/00	15		

All average MWHC values are expressed in percent

Average Daily Windrow PH Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn*	*PRE-Turn*
S190	9/26/00	9/28/00	2		8.52

All average PH values are expressed in standard units

Friday, June 28, 2002

Windrow Number: S190 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	09/26/00	10/12/00	16	03	1	LT	476	
					2		332 J	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*414*
135TNB	09/26/00	10/12/00	16	05	1	LT	435	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*448*
135TNB	09/26/00	10/12/00	16	07	1	LT	454	
					2	LT	454	
					3	LT	435	
				Average Concentration for Cross Section 07 :				*448*
135TNB	09/26/00	10/12/00	16	09	1	LT	454	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 09 :				*441*
135TNB	09/26/00	10/12/00	16	11	1	LT	454	
					2	LT	454	
					3	LT	435	
				Average Concentration for Cross Section 11 :				*448*

Average Concentration for Windrow on Day 16 : 440

Standard Deviation: 32

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: S190 *1,3-DINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
13DNB	09/26/00	10/12/00	16	03	1	LT 476	
					2	LT 454	
					3	LT 435	
				Average Concentration for Cross Section 03 :			*455*
13DNB	09/26/00	10/12/00	16	05	1	LT 435	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 05 :			*448*
13DNB	09/26/00	10/12/00	16	07	1	LT 454	
					2	LT 454	
					3	LT 435	
				Average Concentration for Cross Section 07 :			*448*
13DNB	09/26/00	10/12/00	16	09	1	LT 454	
					2	LT 435	
					3	LT 435	
				Average Concentration for Cross Section 09 :			*441*
13DNB	09/26/00	10/12/00	16	11	1	LT 454	
					2	LT 454	
					3	LT 435	
				Average Concentration for Cross Section 11 :			*448*

Average Concentration for Windrow on Day 16 : 448

Standard Deviation: 12

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: S190 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	09/26/00	10/12/00	16	03	1	LT	476	
					2		19400	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*6770*
246TNT	09/26/00	10/12/00	16	05	1	LT	435	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*448*
246TNT	09/26/00	10/12/00	16	07	1	LT	454	
					2	LT	454	
					3		101 J	
				Average Concentration for Cross Section 07 :				*336*
246TNT	09/26/00	10/12/00	16	09	1	LT	454	
					2		409 J	
					3	LT	435	
				Average Concentration for Cross Section 09 :				*433*
246TNT	09/26/00	10/12/00	16	11	1	LT	454	
					2	LT	454	
					3	LT	435	
				Average Concentration for Cross Section 11 :				*448*

Average Concentration for Windrow on Day 16 : 1687

Standard Deviation: 4901

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S190 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
24DNT	09/26/00	10/12/00	16	03	1	LT	476	
					2	LT	454	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*455*
24DNT	09/26/00	10/12/00	16	05	1	LT	435	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*448*
24DNT	09/26/00	10/12/00	16	07	1	LT	454	
					2	LT	454	
					3	LT	435	
				Average Concentration for Cross Section 07 :				*448*
24DNT	09/26/00	10/12/00	16	09	1	LT	454	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 09 :				*441*
24DNT	09/26/00	10/12/00	16	11	1	LT	454	
					2	LT	454	
					3	LT	435	
				Average Concentration for Cross Section 11 :				*448*

Average Concentration for Windrow on Day 16 : ***448***

Standard Deviation: ***12***

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S190 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
26DNT	09/26/00	10/12/00	16	03	1	LT	476	
					2	LT	454	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*455*
26DNT	09/26/00	10/12/00	16	05	1	LT	435	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*448*
26DNT	09/26/00	10/12/00	16	07	1	LT	454	
					2	LT	454	
					3	LT	435	
				Average Concentration for Cross Section 07 :				*448*
26DNT	09/26/00	10/12/00	16	09	1	LT	454	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 09 :				*441*
26DNT	09/26/00	10/12/00	16	11	1	LT	454	
					2	LT	454	
					3	LT	435	
				Average Concentration for Cross Section 11 :				*448*

Average Concentration for Windrow on Day 16 : 448

Standard Deviation: 12

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: S190 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	09/26/00	10/12/00	16	03	1	LT	476	
					2		143 J	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*351*
2A46DT	09/26/00	10/12/00	16	05	1	LT	435	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*448*
2A46DT	09/26/00	10/12/00	16	07	1	LT	454	
					2	LT	454	
					3	LT	435	
				Average Concentration for Cross Section 07 :				*448*
2A46DT	09/26/00	10/12/00	16	09	1	LT	454	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 09 :				*441*
2A46DT	09/26/00	10/12/00	16	11	1	LT	454	
					2	LT	454	
					3	LT	435	
				Average Concentration for Cross Section 11 :				*448*

Average Concentration for Windrow on Day 16 : ***427***

Standard Deviation: ***80***

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: S190 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	09/26/00	10/12/00	16	03	1	LT	476
					2	LT	454
					3	LT	435
				Average Concentration for Cross Section 03 :			*455*
2NT	09/26/00	10/12/00	16	05	1	LT	435
					2	LT	454
					3	LT	454
				Average Concentration for Cross Section 05 :			*448*
2NT	09/26/00	10/12/00	16	07	1	LT	454
					2	LT	454
					3	LT	435
				Average Concentration for Cross Section 07 :			*448*
2NT	09/26/00	10/12/00	16	09	1	LT	454
					2	LT	435
					3	LT	435
				Average Concentration for Cross Section 09 :			*441*
2NT	09/26/00	10/12/00	16	11	1	LT	454
					2	LT	454
					3	LT	435
				Average Concentration for Cross Section 11 :			*448*

Average Concentration for Windrow on Day 16 : 448

Standard Deviation: 12

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: S190 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	09/26/00	10/12/00	16	03	1	LT 476	
					2	LT 454	
					3	LT 435	
				Average Concentration for Cross Section 03 :			*455*
3NT	09/26/00	10/12/00	16	05	1	LT 435	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 05 :			*448*
3NT	09/26/00	10/12/00	16	07	1	LT 454	
					2	LT 454	
					3	LT 435	
				Average Concentration for Cross Section 07 :			*448*
3NT	09/26/00	10/12/00	16	09	1	LT 454	
					2	LT 435	
					3	LT 435	
				Average Concentration for Cross Section 09 :			*441*
3NT	09/26/00	10/12/00	16	11	1	LT 454	
					2	LT 454	
					3	LT 435	
				Average Concentration for Cross Section 11 :			*448*

Average Concentration for Windrow on Day 16 : 448

Standard Deviation: 12

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: S190 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
HMX	09/26/00	10/12/00	16	03	1	LT	476	
					2		1730	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*880*
HMX	09/26/00	10/12/00	16	05	1	LT	435	
					2		358 J	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*416*
HMX	09/26/00	10/12/00	16	07	1	LT	454	
					2		2740	
					3		896	
				Average Concentration for Cross Section 07 :				*1363*
HMX	09/26/00	10/12/00	16	09	1	LT	454	
					2		1120	
					3		269 J	
				Average Concentration for Cross Section 09 :				*614*
HMX	09/26/00	10/12/00	16	11	1	LT	454	
					2		107 J	
					3		544	
				Average Concentration for Cross Section 11 :				*368*

Average Concentration for Windrow on Day 16 : ***728***

Standard Deviation: ***683***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: S190 **NITROBENZENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
NB	09/26/00	10/12/00	16	03	1	LT	476	
					2	LT	454	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*455*
NB	09/26/00	10/12/00	16	05	1	LT	435	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*448*
NB	09/26/00	10/12/00	16	07	1	LT	454	
					2	LT	454	
					3	LT	435	
				Average Concentration for Cross Section 07 :				*448*
NB	09/26/00	10/12/00	16	09	1	LT	454	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 09 :				*441*
NB	09/26/00	10/12/00	16	11	1	LT	454	
					2	LT	454	
					3	LT	435	
				Average Concentration for Cross Section 11 :				*448*

Average Concentration for Windrow on Day 16 : 448

Standard Deviation: 12

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: S190 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
RDX	09/26/00	10/12/00	16	03	1	LT	476	
					2		12400	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*4437*
RDX	09/26/00	10/12/00	16	05	1	LT	435	
					2		148 J	
					3	LT	454	
				Average Concentration for Cross Section 05 :				*346*
RDX	09/26/00	10/12/00	16	07	1	LT	454	
					2		5830	
					3		1500	
				Average Concentration for Cross Section 07 :				*2595*
RDX	09/26/00	10/12/00	16	09	1	LT	454	
					2		1570	
					3		2110	
				Average Concentration for Cross Section 09 :				*1378*
RDX	09/26/00	10/12/00	16	11	1	LT	454	
					2		776	
					3		2120	
				Average Concentration for Cross Section 11 :				*1117*

Average Concentration for Windrow on Day 16 : ***1974***

Standard Deviation: ***3218***

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: S190 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
TETRYL	09/26/00	10/12/00	16	03	1	LT	476
					2	LT	454
					3	LT	435
				Average Concentration for Cross Section 03 :			*455*
TETRYL	09/26/00	10/12/00	16	05	1	LT	435
					2	LT	454
					3	LT	454
				Average Concentration for Cross Section 05 :			*448*
TETRYL	09/26/00	10/12/00	16	07	1	LT	454
					2	LT	454
					3	LT	435
				Average Concentration for Cross Section 07 :			*448*
TETRYL	09/26/00	10/12/00	16	09	1	LT	454
					2	LT	435
					3	LT	435
				Average Concentration for Cross Section 09 :			*441*
TETRYL	09/26/00	10/12/00	16	11	1	LT	454
					2	LT	454
					3	LT	435
				Average Concentration for Cross Section 11 :			*448*

Average Concentration for Windrow on Day 16 : 448

Standard Deviation: 12

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-191 Day 0: 10/3/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.5	6000	12	2400	5.275	11605	20.775	20005
2	3	5700	12	2400	5.275	11605	20.275	19705
3	3	5700	12.5	2600	5.275	11605	20.775	19905
4	3.25	5900	12	2400	5.275	11605	20.525	19905
5	3	5700	12.7	2740	5.275	11605	20.975	20045
6	3.15	5800	12	2420	5.275	11605	20.425	19825
7	3.15	5800	12.4	2510	5.275	11605	20.825	19915
8	3.25	5870	12.5	2640	5.275	11605	21.025	20115
9	3	5760	12.5	2590	5.275	11605	20.775	19955
10	3.3	5810	12.25	2500	5.275	11605	20.825	19915
11	3	5760	12	2440	5.275	11605	20.275	19805
12	3.25	5800	12	2460	5.275	11605	20.525	19865
13	3.3	5840	12	2410	5.275	11605	20.575	19855
14	3	5710	12	2390	5.275	11605	20.275	19705
15	3.5	5970	13	3260	5.275	11605	21.775	20835
16	3	5720	12.2	2540	5.275	11605	20.475	19865
17	3.1	5780	12.15	2510	5.275	11605	20.525	19895
18	3	5730	12	2390	5.275	11605	20.275	19725
19	3.1	5780	12	2480	5.275	11605	20.375	19865
20	3	5100	12.15	2500	5.275	11605	20.425	19205
21	3.1	5780	12.1	2460	5.275	11605	20.475	19845
22	3.1	5770	12.15	2540	5.275	11605	20.525	19915
23	3.15	5840	12.1	2490	5.275	11605	20.525	19935
24	3	5700	12.1	2450	5.275	11605	20.375	19755
25	3.3	5900	12.8	2380	5.275	11605	21.375	19885
26	3	5700	12.5	2830	5.275	11605	20.775	20135
27	3	5900	12.2	2680	5.275	11605	20.475	20185
28	3	5750	12	3400	5.275	11605	20.275	20755
29	3.4	5980	12.5	2650	5.275	11605	21.175	20235
30	2.9	5600	12.25	2500	5.275	11605	20.425	19705
31	3	5710	11.75	2290	5.275	11605	20.025	19605
32	3.4	5900	12	2385	5.275	11605	20.675	19890
33	3.5	5980	12.5	2650	5.275	11605	21.275	20235
34	3	5750	12	2350	5.275	11605	20.275	19705
35	3.5	5960	12	2390	5.275	11605	20.775	19955
36	2.9	5600	12.5	2600	5.275	11605	20.675	19805
37	3	5700	11.75	2300	5.275	11605	20.025	19605
38	3.25	5800	12.25	2500	5.275	11605	20.775	19905
39	3	5770	12.25	2490	5.275	11605	20.525	19865
40					5.275	11605	5.275	11605
41								
42								
43								
Total	122.35	225320	476.05	98915	211.00	464200	809.4	788435

RECORD OF RECIPE (MIX NO. 7B)

Building # S Windrow # S19 PERFORMED BY: _____

DATE: 10/2/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 12 CY 5700 Pounds
Straw 3 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.50	6000	12	2400				
2	3	5700	12	2400				
3	3	5700	1250	2600				
4	3.25	5900	12	2400				
5	3	5700	1270	2740				
6	3.15	5800	12	2470				
7	3.15	5800	1240	2510				
8	3.25	5870	1250	2640				
9	3.00	5760	1250	2590				
10	3.30	5810	1225	2500				
11	3	5760	12	2440				
12	3.25	5800	12	2460				
13	3.30	5840	12	2410				
14	3	5710	12	2390				
15	3.50	5970	1300	3260				
16	3	5720	1220	2540				
17	3.10	5780	1215	2510				
18	3.30	5730	12	2390				
19	3.10	5780	12	2480				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

uilding # 5 Windrow # ~~184~~ 191 PERFORMED BY: [illegible]

DATE: 10/13/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier:		STRAW Supplier:		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5700	12.15	2500	20 3	5,775	12.25	2490
2	3.10	5780	12.10	2460				
3	3.10	5770	12.15	2540				
4	3.15	5840	12.10	2490				
5	3	5700	12.10	2450				
6	3.30	5900	12.00	2350				
7	3	5,700	12.50	2830				
8	3	5900	12.75	2,680				
9	3	5,750	12.00	2,400				
10	3.40	5980	12.50	2,650				
11	2.90	5,500	12.25	2,500				
12	3	5,700	11.75	2,290				
13	3.40	5980	12	2,380				
14	3.50	5980	12.50	2,650				
15	3	5750	12	2350				
16	3.50	5960	12	2390				
17	2.90	5,600	12.50	2,600				
18	3	5,700	11.75	2300				
19	3.25	5,800	12.25	2,500				
al				[illegible]				

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
S191	10/3/00	10/3/00	0		42.23
		10/4/00	1	58.90	53.47
		10/5/00	2	58.77	59.37
		10/6/00	3	63.43	62.27
		10/7/00	4	49.37	48.23
		10/9/00	6	56.77	53.67
		10/10/00	7	60.83	56.13
		10/11/00	8	63.17	57.93
		10/12/00	9	58.10	58.67
		10/13/00	10	60.30	55.00
		10/14/00	11	66.27	59.80
		10/16/00	13	58.93	57.77
		10/17/00	14	63.30	59.00
		10/18/00	15	61.77	59.87
		10/19/00	16	65.50	58.50
		10/20/00	17	67.13	

All average temperatures are in degrees centigrade

Friday, June 28, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S191	10/3/00	10/3/00	0		17.07
		10/4/00	1	20.58	9.90
		10/5/00	2	15.20	10.00
		10/6/00	3	13.17	13.97
		10/7/00	4	15.80	17.60
		10/9/00	6	15.60	12.69
		10/10/00	7	11.80	10.57
		10/11/00	8	10.17	10.87
		10/12/00	9	13.10	10.03
		10/13/00	10	11.20	12.90
		10/14/00	11	11.97	12.57
		10/16/00	13	14.53	14.57
		10/17/00	14	10.23	9.63
		10/18/00	15	11.90	12.03
		10/19/00	16	4.83	8.33
		10/20/00	17	3.53	

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S191	10/3/00	10/3/00	0		
		10/4/00	1		48.80
		10/5/00	2		
		10/6/00	3		
		10/7/00	4		
		10/9/00	6		46.58
		10/10/00	7		49.20
		10/11/00	8		
		10/12/00	9		
		10/13/00	10		
		10/14/00	11		
		10/16/00	13		35.66
		10/17/00	14		
		10/18/00	15		
		10/19/00	16		
		10/20/00	17		

All average MWHC values are expressed in percent

Windrow Number: S191 *1,3,5-TRINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
135TNB	10/03/00	10/20/00	17	03	1	LT	476	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*461*
135TNB	10/03/00	10/20/00	17	05	1	LT	454	
					2	LT	454	
					3	LT	435	
				Average Concentration for Cross Section 05 :				*448*
135TNB	10/03/00	10/20/00	17	07	1	LT	435	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*455*
135TNB	10/03/00	10/20/00	17	09	1	LT	454	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 09 :				*441*
135TNB	10/03/00	10/20/00	17	11	1	LT	454	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*469*

Average Concentration for Windrow on Day 17 : 455

Standard Deviation: 16

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: S191 *1,3-DINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
13DNB	10/03/00	10/20/00	17	03	1	LT	476	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*461*
13DNB	10/03/00	10/20/00	17	05	1	LT	454	
					2	LT	454	
					3	LT	435	
				Average Concentration for Cross Section 05 :				*448*
13DNB	10/03/00	10/20/00	17	07	1	LT	435	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*455*
13DNB	10/03/00	10/20/00	17	09	1	LT	454	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 09 :				*441*
13DNB	10/03/00	10/20/00	17	11	1	LT	454	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*469*

Average Concentration for Windrow on Day 17 : ***455***

Standard Deviation: ***16***

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: S191 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	10/03/00	10/20/00	17	03	1	LT	476	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*461*
246TNT	10/03/00	10/20/00	17	05	1	LT	454	
					2		311 J	
					3	LT	435	
				Average Concentration for Cross Section 05 :				*400*
246TNT	10/03/00	10/20/00	17	07	1	LT	435	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*455*
246TNT	10/03/00	10/20/00	17	09	1	LT	454	
					2	LT	435	
					3		312 J	
				Average Concentration for Cross Section 09 :				*400*
246TNT	10/03/00	10/20/00	17	11	1	LT	454	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*469*

Average Concentration for Windrow on Day 17 : ***437***

Standard Deviation: ***53***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S191 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
24DNT	10/03/00	10/20/00	17	03	1	LT 476	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 03 :			*461*
24DNT	10/03/00	10/20/00	17	05	1	LT 454	
					2	LT 454	
					3	LT 435	
				Average Concentration for Cross Section 05 :			*448*
24DNT	10/03/00	10/20/00	17	07	1	LT 435	
					2	LT 476	
					3	LT 454	
				Average Concentration for Cross Section 07 :			*455*
24DNT	10/03/00	10/20/00	17	09	1	LT 454	
					2	LT 435	
					3	LT 435	
				Average Concentration for Cross Section 09 :			*441*
24DNT	10/03/00	10/20/00	17	11	1	LT 454	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*469*

Average Concentration for Windrow on Day 17 : 455

Standard Deviation: 16

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S191 **2,6-DINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
26DNT	10/03/00	10/20/00	17	03	1	LT	476	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*461*
26DNT	10/03/00	10/20/00	17	05	1	LT	454	
					2	LT	454	
					3	LT	435	
				Average Concentration for Cross Section 05 :				*448*
26DNT	10/03/00	10/20/00	17	07	1	LT	435	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*455*
26DNT	10/03/00	10/20/00	17	09	1	LT	454	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 09 :				*441*
26DNT	10/03/00	10/20/00	17	11	1	LT	454	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*469*

Average Concentration for Windrow on Day 17 : ***455***

Standard Deviation: ***16***

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: S191 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	10/03/00	10/20/00	17	03	1	LT	476
					2	LT	454
					3	LT	454
				Average Concentration for Cross Section 03 :			*461*
2A46DT	10/03/00	10/20/00	17	05	1	LT	454
					2	LT	454
					3	LT	435
				Average Concentration for Cross Section 05 :			*448*
2A46DT	10/03/00	10/20/00	17	07	1	LT	435
					2	LT	476
					3	LT	454
				Average Concentration for Cross Section 07 :			*455*
2A46DT	10/03/00	10/20/00	17	09	1	LT	454
					2	LT	435
					3	LT	435
				Average Concentration for Cross Section 09 :			*441*
2A46DT	10/03/00	10/20/00	17	11	1	LT	454
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 11 :			*469*

Average Concentration for Windrow on Day 17 : 455

Standard Deviation: 16

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: S191 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	10/03/00	10/20/00	17	03	1	LT	476	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*461*
4A26DT	10/03/00	10/20/00	17	05	1	LT	454	
					2	LT	454	
					3	LT	435	
				Average Concentration for Cross Section 05 :				*448*
4A26DT	10/03/00	10/20/00	17	07	1	LT	435	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*455*
4A26DT	10/03/00	10/20/00	17	09	1	LT	454	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 09 :				*441*
4A26DT	10/03/00	10/20/00	17	11	1	LT	454	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*469*

Average Concentration for Windrow on Day 17 : 455

Standard Deviation: 16

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: S191 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	10/03/00	10/20/00	17	03	1	LT 476	
					2	LT 454	
					3	LT 454	
				Average Concentration for Cross Section 03 :			*461*
4NT	10/03/00	10/20/00	17	05	1	LT 454	
					2	LT 454	
					3	LT 435	
				Average Concentration for Cross Section 05 :			*448*
4NT	10/03/00	10/20/00	17	07	1	LT 435	
					2	LT 476	
					3	LT 454	
				Average Concentration for Cross Section 07 :			*455*
4NT	10/03/00	10/20/00	17	09	1	LT 454	
					2	LT 435	
					3	LT 435	
				Average Concentration for Cross Section 09 :			*441*
4NT	10/03/00	10/20/00	17	11	1	LT 454	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*469*

Average Concentration for Windrow on Day 17 : 455

Standard Deviation: 16

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: S191 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
HMX	10/03/00	10/20/00	17	03	1	LT	476
					2		413 J
					3	LT	454
				Average Concentration for Cross Section 03 :			*448*
HMX	10/03/00	10/20/00	17	05	1	LT	454
					2		160 J
					3	LT	435
				Average Concentration for Cross Section 05 :			*350*
HMX	10/03/00	10/20/00	17	07	1	LT	435
					2	LT	476
					3		976
				Average Concentration for Cross Section 07 :			*629*
HMX	10/03/00	10/20/00	17	09	1	LT	454
					2		225 J
					3	LT	435
				Average Concentration for Cross Section 09 :			*371*
HMX	10/03/00	10/20/00	17	11	1	LT	454
					2		609
					3		1340
				Average Concentration for Cross Section 11 :			*801*

Average Concentration for Windrow on Day 17 : 520

Standard Deviation: 288

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: S191 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
NB	10/03/00	10/20/00	17	03	1	LT	476	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*461*
NB	10/03/00	10/20/00	17	05	1	LT	454	
					2	LT	454	
					3	LT	435	
				Average Concentration for Cross Section 05 :				*448*
NB	10/03/00	10/20/00	17	07	1	LT	435	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*455*
NB	10/03/00	10/20/00	17	09	1	LT	454	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 09 :				*441*
NB	10/03/00	10/20/00	17	11	1	LT	454	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*469*

Average Concentration for Windrow on Day 17 : ***455***

Standard Deviation: ***16***

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: S191 **RDX Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
RDX	10/03/00	10/20/00	17	03	1	LT	476	
					2	LT	454	
					3		955	
					Average Concentration for Cross Section 03 :			*628*
RDX	10/03/00	10/20/00	17	05	1	LT	454	
					2	LT	454	
					3		181 J	
					Average Concentration for Cross Section 05 :			*363*
RDX	10/03/00	10/20/00	17	07	1	LT	435	
					2		166 J	
					3		3050	
					Average Concentration for Cross Section 07 :			*1217*
RDX	10/03/00	10/20/00	17	09	1	LT	454	
					2	LT	435	
					3		1300	
					Average Concentration for Cross Section 09 :			*730*
RDX	10/03/00	10/20/00	17	11	1	LT	454	
					2		452 J	
					3		2080	
					Average Concentration for Cross Section 11 :			*995*

Average Concentration for Windrow on Day 17 : *787*

Standard Deviation: *795*

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: S191 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
TETRYL	10/03/00	10/20/00	17	03	1	LT	476	
					2	LT	454	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*461*
TETRYL	10/03/00	10/20/00	17	05	1	LT	454	
					2	LT	454	
					3	LT	435	
				Average Concentration for Cross Section 05 :				*448*
TETRYL	10/03/00	10/20/00	17	07	1	LT	435	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 07 :				*455*
TETRYL	10/03/00	10/20/00	17	09	1	LT	454	
					2	LT	435	
					3	LT	435	
				Average Concentration for Cross Section 09 :				*441*
TETRYL	10/03/00	10/20/00	17	11	1	LT	454	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*469*

Average Concentration for Windrow on Day 17 : ***455***

Standard Deviation: ***16***

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-193 Day 0: 10/13/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3	5750	12	2350	5.275	11605	20.275	19705
2	3	5650	13	3200	5.275	11605	21.275	20455
3	3.25	5800	12.75	3050	5.275	11605	21.275	20455
4	3.5	5900	12.5	2900	5.275	11605	21.275	20405
5	3	5750	12.25	2450	5.275	11605	20.525	19805
6	3.25	5860	12.5	2500	5.275	11605	21.025	19965
7	3.25	5900	12.7	2750	5.275	11605	21.225	20255
8	3.5	5800	12.75	2800	5.275	11605	21.525	20205
9	3	5700	12.25	2600	5.275	11605	20.525	19905
10	3	5600	12	2400	5.275	11605	20.275	19605
11	3	5700	12	2450	5.275	11605	20.275	19755
12	3.1	5720	12.2	2740	5.275	11605	20.575	20065
13	3.15	5810	12.1	2410	5.275	11605	20.525	19825
14	3.1	5740	12.15	2670	5.275	11605	20.525	20015
15	3.1	5710	12.1	2480	5.275	11605	20.475	19795
16	3.15	5840	12.2	2670	5.275	11605	20.625	20115
17	3.1	5770	12.15	2560	5.275	11605	20.525	19935
18	3.15	5810	12.3	2460	5.275	11605	20.725	19875
19	3.1	5790	12.15	2690	5.275	11605	20.525	20085
20	3.15	5800	13	3000	5.275	11605	21.425	20405
21	3	5700	12.5	2800	5.275	11605	20.775	20105
22	3.5	5900	12	2450	5.275	11605	20.775	19955
23	3.15	5800	12.25	2700	5.275	11605	20.675	20105
24	3	5700	12	2400	5.275	11605	20.275	19705
25	3.15	5800	12.5	2800	5.275	11605	20.925	20205
26	3	5700	12.25	2500	5.275	11605	20.525	19805
27	3.15	5800	12.4	2600	5.275	11605	20.825	20005
28	3.5	5900	13	3000	5.275	11605	21.775	20505
29	3.15	5800	13	2300	5.275	11605	21.425	19705
30	3	5700	12	2460	5.275	11605	20.275	19765
31	3	5790	12.5	2580	5.275	11605	20.775	19975
32	3	5740	12	2490	5.275	11605	20.275	19835
33	3.15	5800	12.25	2600	5.275	11605	20.675	20005
34	3	5700	12	2450	5.275	11605	20.275	19755
35	3.25	5850	12.25	2700	5.275	11605	20.775	20155
36	3	5750	12	2450	5.275	11605	20.275	19805
37	3	5850	12.2	2500	5.275	11605	20.475	19955
38					5.275	11605	5.275	11605
39					5.275	11605	5.275	11605
40					5.275	11605	5.275	11605
41								
42								
43								
Total	115.85	213680	456.15	96910	211.00	464200	783	774790

RECORD OF RECIPE (MIX NO. 7B)

Building # _____ Windrow # 10-193 PERFORMED BY: LARRY

DATE: 10/12/00 INSPECTED BY: _____

Design Quantity: Chicken Manure _____ CY 5,700 Pounds
Straw _____ CY 2,400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5,750	12	2,350				
2	3	5,850	13	3,200				
3	3.25	5800	12.75	3050				
4	3.50	5900	12.50	2900				
5	3	5750	12.75	2450				
6	3.25	5,860	12.50	2,500				
7	3.20	5900	12.70	2,750				
8	3.15	5800	12.75	2800				
9	3.00	5700	12.25	2600				
10	3	5,650	12	2400				
11	3	5700	12	2450				
12	3.10	5720	12.20	2740				
13	3.15	5810	12.10	2410				
14	3.10	5740	12.15	2670				
15	3.10	5710	12.10	2480				
16	3.15	5840	12.20	2670				
17	3.10	5770	12.15	2560				
18	3.15	5800	12.10	2400				
19	3.10	5790	12.15	2690				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 21 Windrow # 21193 PERFORMED BY: [illegible]

DATE: 10/12/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.15	5800	1300	3000				
2	3	5700	1250	2800				
3	3.50	5900	12	2450				
4	3.15	5800	1225	2700				
5	3	5700	12	2400				
6	3.15	5800	1250	2800				
7	3	5700	1225	2500				
8	3.15	5800	1240	2600				
9	3.50	5900	13	3000				
10	3.15	5800	13	2800				
11	3	5700	12	2460				
12	3	5790	12.5	2580				
13	3	5740	12	2490				
14	3.15	5800	12.25	2600				
15	3.00	57	12	2450				
16	3.25	5850	12.25	2700				
17	3	5750	12	2450				
18	3	5850	12.20	2500				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
M193	10/13/00	10/13/00	0		40.80
		10/14/00	1	56.27	44.97
		10/16/00	3	61.03	57.23
		10/17/00	4	64.40	56.23
		10/18/00	5	64.60	63.17
		10/19/00	6	69.03	61.07
		10/20/00	7	70.10	67.90
		10/21/00	8	68.57	62.07
		10/23/00	10	68.50	60.30
		10/24/00	11	70.07	62.33
		10/25/00	12	74.20	64.60
		10/26/00	13	74.00	61.07
		10/27/00	14	71.80	60.33
		10/28/00	15	70.33	63.03
		10/30/00	17	68.77	60.03
		11/7/00	25		50.50
		11/8/00	26	54.73	54.73
		11/9/00	27	59.63	55.97
		11/10/00	28	70.10	59.63
		11/11/00	29	56.37	56.43

All average temperatures are in degrees centigrade

Friday, June 28, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M193	10/13/00	10/13/00	0		10.97
		10/14/00	1	10.73	13.20
		10/16/00	3	13.17	10.67
		10/17/00	4	13.93	12.67
		10/18/00	5	8.77	3.57
		10/19/00	6	9.50	9.13
		10/20/00	7	4.13	4.52
		10/21/00	8	11.10	14.13
		10/23/00	10	10.60	6.50
		10/24/00	11	3.37	7.17
		10/25/00	12	9.73	10.13
		10/26/00	13	7.33	12.10
		10/27/00	14	6.63	9.77
		10/28/00	15	4.67	7.90
		10/30/00	17	12.57	11.40
		11/7/00	25		8.53
		11/8/00	26	10.97	20.40
		11/9/00	27	0.90	2.13
		11/10/00	28	21.90	4.10
		11/11/00	29		

All average Oxygen values are expressed as a percent

Friday, June 28, 2002

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M193	10/13/00	10/13/00	0		
		10/14/00	1		
		10/16/00	3		41.88
		10/17/00	4		
		10/18/00	5		
		10/19/00	6		
		10/20/00	7		
		10/21/00	8		
		10/23/00	10		
		10/24/00	11		
		10/25/00	12		
		10/26/00	13		
		10/27/00	14		62.26
		10/28/00	15		
		10/30/00	17		
		11/7/00	25		
		11/8/00	26		
		11/9/00	27		
		11/10/00	28		
		11/11/00	29		

All average MWHC values are expressed in percent

Windrow Number: M193 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	10/13/00	10/31/00	18	03	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*492*
135TNB	10/13/00	10/31/00	18	05	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 05 :			*492*
135TNB	10/13/00	10/31/00	18	07	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 07 :			*484*
135TNB	10/13/00	10/31/00	18	09	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 09 :			*484*
135TNB	10/13/00	10/31/00	18	11	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 18 : 487

Standard Deviation: 12

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	10/13/00	11/13/00	31	03	1	LT	435
					2	LT	435
					3	LT	500
				Average Concentration for Cross Section 03 :			*457*
135TNB	10/13/00	11/13/00	31	05	1	LT	417
					2	LT	435
					3	LT	454
				Average Concentration for Cross Section 05 :			*435*
135TNB	10/13/00	11/13/00	31	07	1	LT	454
					2	LT	435
					3	LT	454
				Average Concentration for Cross Section 07 :			*448*
135TNB	10/13/00	11/13/00	31	09	1	LT	385
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 09 :			*454*
135TNB	10/13/00	11/13/00	31	11	1	LT	476
					2	LT	500
					3	LT	435
				Average Concentration for Cross Section 11 :			*470*

Average Concentration for Windrow on Day 31 : 453

Standard Deviation: 33

Percent Reduction of 135TNB: 7.07%

Windrow Number: M193 ***1,3-DINITROBENZENE Results***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
13DNB	10/13/00	10/31/00	18	03	1	LT	476
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 03 :		*492*
13DNB	10/13/00	10/31/00	18	05	1	LT	500
					2	LT	500
					3	LT	476
					Average Concentration for Cross Section 05 :		*492*
13DNB	10/13/00	10/31/00	18	07	1	LT	476
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 07 :		*484*
13DNB	10/13/00	10/31/00	18	09	1	LT	500
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 09 :		*484*
13DNB	10/13/00	10/31/00	18	11	1	LT	500
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 11 :		*484*

Average Concentration for Windrow on Day 18 : ***487***

Standard Deviation: ***12***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
13DNB	10/13/00	11/13/00	31	03	1	LT	435
					2	LT	435
					3	LT	500
					Average Concentration for Cross Section 03 :		*457*
13DNB	10/13/00	11/13/00	31	05	1	LT	417
					2	LT	435
					3	LT	454
					Average Concentration for Cross Section 05 :		*435*
13DNB	10/13/00	11/13/00	31	07	1	LT	454
					2	LT	435
					3	LT	454
					Average Concentration for Cross Section 07 :		*448*
13DNB	10/13/00	11/13/00	31	09	1	LT	385
					2	LT	500
					3	LT	476
					Average Concentration for Cross Section 09 :		*454*
13DNB	10/13/00	11/13/00	31	11	1	LT	476
					2	LT	500
					3	LT	435
					Average Concentration for Cross Section 11 :		*470*

Average Concentration for Windrow on Day 31 : ***453***

Standard Deviation: ***33***

Percent Reduction of 13DNB: 7.07%

Windrow Number: M193 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG	
246TNT	10/13/00	10/31/00	18	03	1	LT	476	
					2	LT	500	
					3		158 J	
					Average Concentration for Cross Section 03 :			*378*
246TNT	10/13/00	10/31/00	18	05	1		366 J	
					2	LT	500	
					3	LT	476	
					Average Concentration for Cross Section 05 :			*447*
246TNT	10/13/00	10/31/00	18	07	1		126 J	
					2		71.8 J	
					3	LT	500	
					Average Concentration for Cross Section 07 :			*233*
246TNT	10/13/00	10/31/00	18	09	1	LT	500	
					2	LT	476	
					3	LT	476	
					Average Concentration for Cross Section 09 :			*484*
246TNT	10/13/00	10/31/00	18	11	1	LT	500	
					2		221 J	
					3	LT	476	
					Average Concentration for Cross Section 11 :			*399*

Average Concentration for Windrow on Day 18 : ***388***

Standard Deviation: ***158***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG	
246TNT	10/13/00	11/13/00	31	03	1	LT	435	
					2	LT	435	
					3	LT	500	
					Average Concentration for Cross Section 03 :			*457*
246TNT	10/13/00	11/13/00	31	05	1	LT	417	
					2	LT	435	
					3		144 J	
					Average Concentration for Cross Section 05 :			*332*
246TNT	10/13/00	11/13/00	31	07	1	LT	454	
					2		1670	
					3		48.5 J	
					Average Concentration for Cross Section 07 :			*724*
246TNT	10/13/00	11/13/00	31	09	1	LT	385	
					2	LT	500	
					3	LT	476	
					Average Concentration for Cross Section 09 :			*454*
246TNT	10/13/00	11/13/00	31	11	1	LT	476	
					2	LT	500	
					3		221 J	
					Average Concentration for Cross Section 11 :			*399*

Average Concentration for Windrow on Day 31 : ***473***

Standard Deviation: ***359***

Percent Reduction of 246TNT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: M193 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	10/13/00	10/31/00	18	03	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*492*
24DNT	10/13/00	10/31/00	18	05	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 05 :			*492*
24DNT	10/13/00	10/31/00	18	07	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 07 :			*484*
24DNT	10/13/00	10/31/00	18	09	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 09 :			*484*
24DNT	10/13/00	10/31/00	18	11	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 18 : 487

Standard Deviation: 12

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	10/13/00	11/13/00	31	03	1	LT	435
					2	LT	435
					3	LT	500
				Average Concentration for Cross Section 03 :			*457*
24DNT	10/13/00	11/13/00	31	05	1	LT	417
					2	LT	435
					3	LT	454
				Average Concentration for Cross Section 05 :			*435*
24DNT	10/13/00	11/13/00	31	07	1	LT	454
					2	LT	435
					3	LT	454
				Average Concentration for Cross Section 07 :			*448*
24DNT	10/13/00	11/13/00	31	09	1	LT	385
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 09 :			*454*
24DNT	10/13/00	11/13/00	31	11	1	LT	476
					2	LT	500
					3	LT	435
				Average Concentration for Cross Section 11 :			*470*

Average Concentration for Windrow on Day 31 : 453

Standard Deviation: 33

Percent Reduction of 24DNT: 7.07%

Windrow Number: M193 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	10/13/00	10/31/00	18	03	1	LT	476
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 03 :		*492*
26DNT	10/13/00	10/31/00	18	05	1	LT	500
					2	LT	500
					3	LT	476
					Average Concentration for Cross Section 05 :		*492*
26DNT	10/13/00	10/31/00	18	07	1	LT	476
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 07 :		*484*
26DNT	10/13/00	10/31/00	18	09	1	LT	500
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 09 :		*484*
26DNT	10/13/00	10/31/00	18	11	1	LT	500
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 11 :		*484*

Average Concentration for Windrow on Day 18 : ***487***

Standard Deviation: ***12***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	10/13/00	11/13/00	31	03	1	LT	435
					2	LT	435
					3	LT	500
					Average Concentration for Cross Section 03 :		*457*
26DNT	10/13/00	11/13/00	31	05	1	LT	417
					2	LT	435
					3	LT	454
					Average Concentration for Cross Section 05 :		*435*
26DNT	10/13/00	11/13/00	31	07	1	LT	454
					2	LT	435
					3	LT	454
					Average Concentration for Cross Section 07 :		*448*
26DNT	10/13/00	11/13/00	31	09	1	LT	385
					2	LT	500
					3	LT	476
					Average Concentration for Cross Section 09 :		*454*
26DNT	10/13/00	11/13/00	31	11	1	LT	476
					2	LT	500
					3	LT	435
					Average Concentration for Cross Section 11 :		*470*

Average Concentration for Windrow on Day 31 : ***453***

Standard Deviation: ***33***

Percent Reduction of 26DNT: 7.07%

Windrow Number: M193 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	10/13/00	10/31/00	18	03	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*492*
2A46DT	10/13/00	10/31/00	18	05	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 05 :			*492*
2A46DT	10/13/00	10/31/00	18	07	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 07 :			*484*
2A46DT	10/13/00	10/31/00	18	09	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 09 :			*484*
2A46DT	10/13/00	10/31/00	18	11	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 18 : 487

Standard Deviation: 12

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	10/13/00	11/13/00	31	03	1	LT	435
					2	LT	435
					3	LT	500
				Average Concentration for Cross Section 03 :			*457*
2A46DT	10/13/00	11/13/00	31	05	1	LT	417
					2	LT	435
					3	LT	454
				Average Concentration for Cross Section 05 :			*435*
2A46DT	10/13/00	11/13/00	31	07	1	LT	454
					2	LT	435
					3	LT	454
				Average Concentration for Cross Section 07 :			*448*
2A46DT	10/13/00	11/13/00	31	09	1	LT	385
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 09 :			*454*
2A46DT	10/13/00	11/13/00	31	11	1	LT	476
					2	LT	500
					3	LT	435
				Average Concentration for Cross Section 11 :			*470'*

Average Concentration for Windrow on Day 31 : 453

Standard Deviation: 33

Percent Reduction of 2A46DT: 7.07%

Windrow Number: M193 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	10/13/00	10/31/00	18	03	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*492*
4A26DT	10/13/00	10/31/00	18	05	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 05 :			*492*
4A26DT	10/13/00	10/31/00	18	07	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 07 :			*484*
4A26DT	10/13/00	10/31/00	18	09	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 09 :			*484*
4A26DT	10/13/00	10/31/00	18	11	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 18 : ***487***

Standard Deviation: ***12***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	10/13/00	11/13/00	31	03	1	LT	435
					2	LT	435
					3	LT	500
				Average Concentration for Cross Section 03 :			*457*
4A26DT	10/13/00	11/13/00	31	05	1	LT	417
					2	LT	435
					3	LT	454
				Average Concentration for Cross Section 05 :			*435*
4A26DT	10/13/00	11/13/00	31	07	1	LT	454
					2	LT	435
					3	LT	454
				Average Concentration for Cross Section 07 :			*448*
4A26DT	10/13/00	11/13/00	31	09	1	LT	385
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 09 :			*454*
4A26DT	10/13/00	11/13/00	31	11	1	LT	476
					2	LT	500
					3	LT	435
				Average Concentration for Cross Section 11 :			*470*

Average Concentration for Windrow on Day 31 : ***453***

Standard Deviation: ***33***

Percent Reduction of 4A26DT: 7.07%

Windrow Number: M193 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	10/13/00	10/31/00	18	03	1	LT	476
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 03 :		*492*
4NT	10/13/00	10/31/00	18	05	1	LT	500
					2	LT	500
					3	LT	476
					Average Concentration for Cross Section 05 :		*492*
4NT	10/13/00	10/31/00	18	07	1	LT	476
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 07 :		*484*
4NT	10/13/00	10/31/00	18	09	1	LT	500
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 09 :		*484*
4NT	10/13/00	10/31/00	18	11	1	LT	500
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 11 :		*484*

Average Concentration for Windrow on Day 18 : 487

Standard Deviation: 12

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	10/13/00	11/13/00	31	03	1	LT	435
					2	LT	435
					3	LT	500
					Average Concentration for Cross Section 03 :		*457*
4NT	10/13/00	11/13/00	31	05	1	LT	417
					2	LT	435
					3	LT	454
					Average Concentration for Cross Section 05 :		*435*
4NT	10/13/00	11/13/00	31	07	1	LT	454
					2	LT	435
					3	LT	454
					Average Concentration for Cross Section 07 :		*448*
4NT	10/13/00	11/13/00	31	09	1	LT	385
					2	LT	500
					3	LT	476
					Average Concentration for Cross Section 09 :		*454*
4NT	10/13/00	11/13/00	31	11	1	LT	476
					2	LT	500
					3	LT	435
					Average Concentration for Cross Section 11 :		*470*

Average Concentration for Windrow on Day 31 : 453

Standard Deviation: 33

Percent Reduction of 4NT: 7.07%

Windrow Number: M193 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
HMX	10/13/00	10/31/00	18	03	1	116 J	
					2	814	
					3	2880	
					Average Concentration for Cross Section 03 :		*1270*
HMX	10/13/00	10/31/00	18	05	1	LT 500	
					2	LT 500	
					3	1900	
					Average Concentration for Cross Section 05 :		*967*
HMX	10/13/00	10/31/00	18	07	1	LT 476	
					2	266 J	
					3	3250	
					Average Concentration for Cross Section 07 :		*1331*
HMX	10/13/00	10/31/00	18	09	1	LT 500	
					2	398 J	
					3	3630	
					Average Concentration for Cross Section 09 :		*1509*
HMX	10/13/00	10/31/00	18	11	1	LT 500	
					2	1440	
					3	3640	
					Average Concentration for Cross Section 11 :		*1860*

Average Concentration for Windrow on Day 18 : 1387

Standard Deviation: 1316

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
HMX	10/13/00	11/13/00	31	03	1	113 J	
					2	106 J	
					3	1100	
					Average Concentration for Cross Section 03 :		*440*
HMX	10/13/00	11/13/00	31	05	1	81.6 J	
					2	84.9 J	
					3	608	
					Average Concentration for Cross Section 05 :		*258*
HMX	10/13/00	11/13/00	31	07	1	58.8 J	
					2	1110	
					3	118 J	
					Average Concentration for Cross Section 07 :		*429*
HMX	10/13/00	11/13/00	31	09	1	360 J	
					2	1030	
					3	661	
					Average Concentration for Cross Section 09 :		*684*
HMX	10/13/00	11/13/00	31	11	1	LT 476	
					2	1650	
					3	1240	
					Average Concentration for Cross Section 11 :		*1122*

Average Concentration for Windrow on Day 31 : 586

Standard Deviation: 522

Percent Reduction of HMX: 57.73%

Windrow Number: M193 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	10/13/00	10/31/00	18	03	1	LT	476
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 03 :		*492*
NB	10/13/00	10/31/00	18	05	1	LT	500
					2	LT	500
					3	LT	476
					Average Concentration for Cross Section 05 :		*492*
NB	10/13/00	10/31/00	18	07	1	LT	476
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 07 :		*484*
NB	10/13/00	10/31/00	18	09	1	LT	500
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 09 :		*484*
NB	10/13/00	10/31/00	18	11	1	LT	500
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 11 :		*484*

Average Concentration for Windrow on Day 18 : ***487***

Standard Deviation: ***12***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	10/13/00	11/13/00	31	03	1	LT	435
					2	LT	435
					3	LT	500
					Average Concentration for Cross Section 03 :		*457*
NB	10/13/00	11/13/00	31	05	1	LT	417
					2	LT	435
					3	LT	454
					Average Concentration for Cross Section 05 :		*435*
NB	10/13/00	11/13/00	31	07	1	LT	454
					2	LT	435
					3	LT	454
					Average Concentration for Cross Section 07 :		*448*
NB	10/13/00	11/13/00	31	09	1	LT	385
					2	LT	500
					3	LT	476
					Average Concentration for Cross Section 09 :		*454*
NB	10/13/00	11/13/00	31	11	1	LT	476
					2	LT	500
					3	LT	435
					Average Concentration for Cross Section 11 :		*470*

Average Concentration for Windrow on Day 31 : ***453***

Standard Deviation: ***33***

Percent Reduction of NB: 7.07%

Windrow Number: M193 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
RDX	10/13/00	10/31/00	18	03	1	LT	476	
					2		353 J	
					3		2550	
					Average Concentration for Cross Section 03 :			*1126*
RDX	10/13/00	10/31/00	18	05	1	LT	500	
					2	LT	500	
					3		1750	
					Average Concentration for Cross Section 05 :			*917*
RDX	10/13/00	10/31/00	18	07	1	LT	476	
					2		589	
					3		10400	
					Average Concentration for Cross Section 07 :			*3822*
RDX	10/13/00	10/31/00	18	09	1		922	
					2		125 J	
					3		10200	
					Average Concentration for Cross Section 09 :			*3749*
RDX	10/13/00	10/31/00	18	11	1	LT	500	
					2		2780	
					3		4270	
					Average Concentration for Cross Section 11 :			*2517*

Average Concentration for Windrow on Day 18 : 2426

Standard Deviation: 3401

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
RDX	10/13/00	11/13/00	31	03	1	LT	435	
					2	LT	435	
					3		3360	
					Average Concentration for Cross Section 03 :			*1410*
RDX	10/13/00	11/13/00	31	05	1	LT	417	
					2	LT	435	
					3		642	
					Average Concentration for Cross Section 05 :			*498*
RDX	10/13/00	11/13/00	31	07	1	LT	454	
					2		3020	
					3	LT	454	
					Average Concentration for Cross Section 07 :			*1309*
RDX	10/13/00	11/13/00	31	09	1	LT	385	
					2		258 J	
					3		3410	
					Average Concentration for Cross Section 09 :			*1351*
RDX	10/13/00	11/13/00	31	11	1		738	
					2		1120	
					3		2540	
					Average Concentration for Cross Section 11 :			*1466*

Average Concentration for Windrow on Day 31 : 1207

Standard Deviation: 1202

Percent Reduction of RDX: 50.25%

Windrow Number: M193 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	10/13/00	10/31/00	18	03	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*492*
TETRYL	10/13/00	10/31/00	18	05	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 05 :			*492*
TETRYL	10/13/00	10/31/00	18	07	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 07 :			*484*
TETRYL	10/13/00	10/31/00	18	09	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 09 :			*484*
TETRYL	10/13/00	10/31/00	18	11	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 18 : ***487***

Standard Deviation: ***12***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	10/13/00	11/13/00	31	03	1	LT	435
					2	LT	435
					3	LT	500
				Average Concentration for Cross Section 03 :			*457*
TETRYL	10/13/00	11/13/00	31	05	1	LT	417
					2	LT	435
					3	LT	454
				Average Concentration for Cross Section 05 :			*435*
TETRYL	10/13/00	11/13/00	31	07	1	LT	454
					2	LT	435
					3	LT	454
				Average Concentration for Cross Section 07 :			*448*
TETRYL	10/13/00	11/13/00	31	09	1	LT	385
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 09 :			*454*
TETRYL	10/13/00	11/13/00	31	11	1	LT	476
					2	LT	500
					3	LT	435
				Average Concentration for Cross Section 11 :			*470*

Average Concentration for Windrow on Day 31 : ***453***

Standard Deviation: ***33***

Percent Reduction of TETRYL: 7.07%

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-196 Day 0: 10/27/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.25	6000	12.5	2600	5.275	11605	21.025	20205
2	2.8	5400	12	2400	5.275	11605	20.075	19405
3	3.25	6000	12	2400	5.275	11605	20.525	20005
4	3.25	6000	12.25	2500	5.275	11605	20.775	20105
5	3.5	6100	12.5	2600	5.275	11605	21.275	20305
6	3.15	5900	12.75	2700	5.275	11605	21.175	20205
7	3.3	5950	12.75	2700	5.275	11605	21.325	20255
8	3.25	6000	12.5	2600	5.275	11605	21.025	20205
9	3	5700	12.25	2500	5.275	11605	20.525	19805
10	3.5	5800	12	2400	5.275	11605	20.775	19805
11	3.5	5800	12	2400	5.275	11605	20.775	19805
12	3.15	5900	12.25	2550	5.275	11605	20.675	20055
13	3.5	5800	12.5	2600	5.275	11605	21.275	20005
14	3	5700	12	2400	5.275	11605	20.275	19705
15	3	5700	12.25	2500	5.275	11605	20.525	19805
16	3	5700	12.25	2500	5.275	11605	20.525	19805
17	3	5700	12	2400	5.275	11605	20.275	19705
18	3.15	5810	12.1	2470	5.275	11605	20.525	19885
19	3	5700	12.1	2490	5.275	11605	20.375	19795
20	3.1	5780	12.25	2550	5.275	11605	20.625	19935
21	3.15	5840	12.1	2450	5.275	11605	20.525	19895
22	3	5700	12	2400	5.275	11605	20.275	19705
23	3.15	5800	12.25	2500	5.275	11605	20.675	19905
24	3	5725	12	2400	5.275	11605	20.275	19730
25	3.15	5800	12.25	2500	5.275	11605	20.675	19905
26	3	5750	12	2400	5.275	11605	20.275	19755
27	3.25	5850	12.25	2550	5.275	11605	20.775	20005
28	3.5	5900	12.5	2600	5.275	11605	21.275	20105
29	3.1	5790	12.1	2470	5.275	11605	20.475	19865
30	3.15	5840	12.25	2550	5.275	11605	20.675	19995
31	3	5700	12.1	2440	5.275	11605	20.375	19745
32	3.15	5810	12.25	2520	5.275	11605	20.675	19935
33	3.1	5770	12.1	2470	5.275	11605	20.475	19845
34	3.15	5800	12.25	2560	5.275	11605	20.675	19965
35	3.1	5770	12.1	2450	5.275	11605	20.475	19825
36	3	5700	12.25	2590	5.275	11605	20.525	19895
37	3.1	5730	12.1	2450	5.275	11605	20.475	19785
38	3.15	5800	12.25	2550	5.275	11605	20.675	19955
39	3	5700	12	2400	5.275	11605	20.275	19705
40	3.25	5870	12	2450	5.275	11605	20.525	19925
Total	126.1	232085	488.3	99960	211.00	464200	825.4	796245

DAY 0 10/27/00

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 5196 PERFORMED BY: Howard

DATE: 10 12 5T INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5700	12	2400				
2	3.15	5800	12.25	2500				
3	3	5725	12	2400				
4	3.15	5800	12.25	2500				
5	3	5750	12	2400				
6	3.25	5850	12.25	2550				
7	3.50	5900	12.50	2600				
8	3.10	5790	12.10	2490				
9	3.15	5840	12.25	2550				
10	3	5700	12.10	2490				
11	3.15	5810	12.25	2520				
12	3.10	5770	12.10	2470				
13	3.15	5800	12.25	2560				
14	3.10	5770	12.10	2450				
15	3	5700	12.25	2590				
16	3.10	5730	12.10	2450				
17	3.15	5800	12.25	2550				
18	3	5700	12	2400				
19	3.25	5870	12.10	2450				
Total								

Comments:

Day 0 28

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 196 PERFORMED BY: [illegible]

DATE: 10/25/00 INSPECTED BY:

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier:		STRAW Supplier:		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	8 25	6000	1250	2600				
2	2 80	5400	12	2400				
3	3 25	6000	12	2400				
4	325	6000	1225	2500				
5	350	6100	1250	2600				
6	3.15	5900	1275	2700				
7	3.30	5950	1275	2700				
8	325	6000	12.50	2,600				
9	3	5,700	12.25	2500				
10	3 50	5,800	12	2,400				
11	350	5800	12	2,400				
12	3.15	5900	1225	2,550				
13	3.50	5800	1250	2600				
14	3	5,700	12	2,400				
15	3	5700	1225	2500				
16	3	5000	1225	2500				
17	3	5100	12	2400				
18	3.15	5810	12 10	2470				
19	3	5700	12.10	2490				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 196 PERFORMED BY: [illegible]

DATE: 10/26/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5780	12.25	2550				
21	3.15	5840	12.10	2450				
22								
23								
24								
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
S196	10/27/00	10/27/00	0		47.23
		10/28/00	1	65.63	59.03
		10/30/00	3	67.40	61.40
		10/31/00	4	73.80	64.47
		11/1/00	5	76.13	66.53
		11/2/00	6	75.07	61.17
		11/3/00	7	73.77	64.33
		11/4/00	8	64.97	59.60
		11/6/00	10	68.10	59.23
		11/7/00	11	71.67	64.57
		11/8/00	12	72.10	66.90
		11/9/00	13	72.23	64.73
		11/10/00	14	70.90	71.13
		11/11/00	15	59.63	58.57
		11/13/00	17	65.47	58.10
		11/14/00	18	67.17	57.70
		11/15/00	19	65.43	60.33
		11/16/00	20	56.60	48.57
		11/17/00	21	63.73	53.00
		11/18/00	22	62.81	53.57

All average temperatures are in degrees centigrade

Friday, June 28, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S196	10/27/00	10/27/00	0		3.97
		10/28/00	1	6.20	7.63
		10/30/00	3	13.97	11.27
		10/31/00	4	10.37	9.10
		11/1/00	5	11.20	12.47
		11/2/00	6	11.27	12.07
		11/3/00	7	7.27	9.27
		11/4/00	8	12.77	16.77
		11/6/00	10	13.53	14.03
		11/7/00	11	5.47	9.13
		11/8/00	12	8.03	17.30
		11/9/00	13	3.77	1.53
		11/10/00	14	8.87	6.33

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S196	10/27/00	10/27/00	0		49.30
		10/31/00	4		35.18
		11/2/00	6		37.46
		11/6/00	10		34.38
		11/13/00	17		35.90

All average MWHC values are expressed in percent

Average Daily Windrow PH Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn*	*PRE-Turn*
S196	10/27/00	10/31/00	4	8.84	
		11/6/00	10	8.70	
		11/13/00	17	8.64	

All average PH values are expressed in standard units

Friday, June 28, 2002

Windrow Number: S196 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration UGKG	
246TNT	10/27/00	11/20/00	24	03	1		153 J	
					2		48.9 J	
					3		38.7 J	
				Average Concentration for Cross Section 03 :				*80*
246TNT	10/27/00	11/20/00	24	05	1	LT	476	
					2		650	
					3		71.8 J	
				Average Concentration for Cross Section 05 :				*399*
246TNT	10/27/00	11/20/00	24	07	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*492*
246TNT	10/27/00	11/20/00	24	09	1	LT	454	
					2		316 J	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*423*
246TNT	10/27/00	11/20/00	24	11	1	LT	454	
					2		109 J	
					3		66.5 J	
				Average Concentration for Cross Section 11 :				*210*

Average Concentration for Windrow on Day 24 : ***321***

Standard Deviation: ***214***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S196 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
24DNT	10/27/00	11/20/00	24	03	1	LT	476
					2	LT	500
					3	LT	435
				Average Concentration for Cross Section 03 :			*470*
24DNT	10/27/00	11/20/00	24	05	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*492*
24DNT	10/27/00	11/20/00	24	07	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 07 :			*492*
24DNT	10/27/00	11/20/00	24	09	1	LT	454
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 09 :			*477*
24DNT	10/27/00	11/20/00	24	11	1	LT	454
					2	LT	417
					3	LT	454
				Average Concentration for Cross Section 11 :			*442*

Average Concentration for Windrow on Day 24 : 475

Standard Deviation: 27

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S196 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
26DNT	10/27/00	11/20/00	24	03	1	LT 476	
					2	LT 500	
					3	LT 435	
				Average Concentration for Cross Section 03 :			*470*
26DNT	10/27/00	11/20/00	24	05	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*492*
26DNT	10/27/00	11/20/00	24	07	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*492*
26DNT	10/27/00	11/20/00	24	09	1	LT 454	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*477*
26DNT	10/27/00	11/20/00	24	11	1	LT 454	
					2	LT 417	
					3	LT 454	
				Average Concentration for Cross Section 11 :			*442*

Average Concentration for Windrow on Day 24 : 475

Standard Deviation: 27

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: S196 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	10/27/00	11/20/00	24	03	1	LT	476
					2	LT	500
					3	LT	435
				Average Concentration for Cross Section 03 :			*470*
2A46DT	10/27/00	11/20/00	24	05	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*492*
2A46DT	10/27/00	11/20/00	24	07	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 07 :			*492*
2A46DT	10/27/00	11/20/00	24	09	1	LT	454
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 09 :			*477*
2A46DT	10/27/00	11/20/00	24	11	1	LT	454
					2	LT	417
					3	LT	454
				Average Concentration for Cross Section 11 :			*442*

Average Concentration for Windrow on Day 24 : 475

Standard Deviation: 27

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: S196 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	10/27/00	11/20/00	24	03	1	LT	476
					2	LT	500
					3	LT	435
				Average Concentration for Cross Section 03 :			*470*
2NT	10/27/00	11/20/00	24	05	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*492*
2NT	10/27/00	11/20/00	24	07	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 07 :			*492*
2NT	10/27/00	11/20/00	24	09	1	LT	454
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 09 :			*477*
2NT	10/27/00	11/20/00	24	11	1	LT	454
					2	LT	417
					3	LT	454
				Average Concentration for Cross Section 11 :			*442*

Average Concentration for Windrow on Day 24 : ***475***

Standard Deviation: *27*

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: S196 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
3NT	10/27/00	11/20/00	24	03	1	LT	476	
					2	LT	500	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*470*
3NT	10/27/00	11/20/00	24	05	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*492*
3NT	10/27/00	11/20/00	24	07	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*492*
3NT	10/27/00	11/20/00	24	09	1	LT	454	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*477*
3NT	10/27/00	11/20/00	24	11	1	LT	454	
					2	LT	417	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*442*

Average Concentration for Windrow on Day 24 : ***475***

Standard Deviation: ***27***

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: S196 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	10/27/00	11/20/00	24	03	1	LT	476	
					2	LT	500	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*470*
4A26DT	10/27/00	11/20/00	24	05	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*492*
4A26DT	10/27/00	11/20/00	24	07	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*492*
4A26DT	10/27/00	11/20/00	24	09	1	LT	454	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*477*
4A26DT	10/27/00	11/20/00	24	11	1	LT	454	
					2	LT	417	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*442*

Average Concentration for Windrow on Day 24 : ***475***

Standard Deviation: ***27***

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: S196 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4NT	10/27/00	11/20/00	24	03	1	LT	476	
					2	LT	500	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*470*
4NT	10/27/00	11/20/00	24	05	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*492*
4NT	10/27/00	11/20/00	24	07	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*492*
4NT	10/27/00	11/20/00	24	09	1	LT	454	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*477*
4NT	10/27/00	11/20/00	24	11	1	LT	454	
					2	LT	417	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*442*

Average Concentration for Windrow on Day 24 : 475

Standard Deviation: 27

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: S196 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
HMX	10/27/00	11/20/00	24	03	1	190 J	
					2	118 J	
					3	3430	
				Average Concentration for Cross Section 03 :			*1246*
HMX	10/27/00	11/20/00	24	05	1	34.9 J	
					2	181 J	
					3	1480	
				Average Concentration for Cross Section 05 :			*565*
HMX	10/27/00	11/20/00	24	07	1	LT 500	
					2	603	
					3	195 J	
				Average Concentration for Cross Section 07 :			*433*
HMX	10/27/00	11/20/00	24	09	1	1060	
					2	508	
					3	615	
				Average Concentration for Cross Section 09 :			*728*
HMX	10/27/00	11/20/00	24	11	1	LT 454	
					2	2490	
					3	1870	
				Average Concentration for Cross Section 11 :			*1605*

Average Concentration for Windrow on Day 24 : ***915***

Standard Deviation: ***992***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: S196 *NITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
NB	10/27/00	11/20/00	24	03	1	LT	476	
					2	LT	500	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*470*
NB	10/27/00	11/20/00	24	05	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*492*
NB	10/27/00	11/20/00	24	07	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*492*
NB	10/27/00	11/20/00	24	09	1	LT	454	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*477*
NB	10/27/00	11/20/00	24	11	1	LT	454	
					2	LT	417	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*442*

Average Concentration for Windrow on Day 24 : ***475***

Standard Deviation: ***27***

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: S196 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
RDX	10/27/00	11/20/00	24	03	1	326 J	
					2	464 J	
					3	14200	
				Average Concentration for Cross Section 03 :			*4997*
RDX	10/27/00	11/20/00	24	05	1	LT 476	
					2	583	
					3	1980	
				Average Concentration for Cross Section 05 :			*1013*
RDX	10/27/00	11/20/00	24	07	1	LT 500	
					2	528	
					3	150 J	
				Average Concentration for Cross Section 07 :			*393*
RDX	10/27/00	11/20/00	24	09	1	1940	
					2	1400	
					3	4720	
				Average Concentration for Cross Section 09 :			*2687*
RDX	10/27/00	11/20/00	24	11	1	LT 454	
					2	5350	
					3	3780	
				Average Concentration for Cross Section 11 :			*3195*

Average Concentration for Windrow on Day 24 : 2457

Standard Deviation: 3660

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: S196 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
TETRYL	10/27/00	11/20/00	24	03	1	LT	476	
					2	LT	500	
					3	LT	435	
				Average Concentration for Cross Section 03 :				*470*
TETRYL	10/27/00	11/20/00	24	05	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*492*
TETRYL	10/27/00	11/20/00	24	07	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*492*
TETRYL	10/27/00	11/20/00	24	09	1	LT	454	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*477*
TETRYL	10/27/00	11/20/00	24	11	1	LT	454	
					2	LT	417	
					3	LT	454	
				Average Concentration for Cross Section 11 :				*442*

Average Concentration for Windrow on Day 24 : ***475***

Standard Deviation: ***27***

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-198 Day 0: 11/15/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5850	12.15	2570	5.275	11605	20.525	20025
2	3.2	5890	12.1	2450	5.275	11605	20.575	19945
3	3.1	5720	12.1	2470	5.275	11605	20.475	19795
4	3	5700	12.1	2440	5.275	11605	20.375	19745
5	3.15	5870	12	2450	5.275	11605	20.425	19925
6	3.2	5920	12.1	2480	5.275	11605	20.575	20005
7	3.1	5730	12.1	2430	5.275	11605	20.475	19765
8	3	5700	12.1	2470	5.275	11605	20.375	19775
9	3.15	5840	12.1	2460	5.275	11605	20.525	19905
10	3.1	5790	12	2400	5.275	11605	20.375	19795
11	3.1	5770	12.1	2490	5.275	11605	20.475	19865
12	3.1	5750	12.1	2430	5.275	11605	20.475	19785
13	3.15	5830	12.1	2480	5.275	11605	20.525	19915
14	3.1	5720	12	2400	5.275	11605	20.375	19725
15	3.1	5740	12.1	2440	5.275	11605	20.475	19785
16	3.15	5800	12	2400	5.275	11605	20.425	19805
17	3.1	5750	12.1	2490	5.275	11605	20.475	19845
18	3.05	5740	12.2	2570	5.275	11605	20.525	19915
19	3.15	5800	12.2	2580	5.275	11605	20.625	19985
20	3.1	5720	12.15	2570	5.275	11605	20.525	19895
21	3.15	5790	12.1	2470	5.275	11605	20.525	19865
22	3.2	5810	12.1	2450	5.275	11605	20.575	19865
23	3.1	5760	12.1	2430	5.275	11605	20.475	19795
24	3.15	5860	12.15	2520	5.275	11605	20.575	19985
25	3	5700	12.1	2440	5.275	11605	20.375	19745
26	3.15	5840	12.25	2600	5.275	11605	20.675	20045
27	3.1	5770	12.1	2460	5.275	11605	20.475	19835
28	3.15	5800	12.1	2450	5.275	11605	20.525	19855
29	3.1	5710	12.1	2470	5.275	11605	20.475	19785
30	3.1	5770	12	2400	5.275	11605	20.375	19775
31	3	5700	12.1	2460	5.275	11605	20.375	19765
32	3.15	5790	12.25	2600	5.275	11605	20.675	19995
33	3.2	5880	12.2	2550	5.275	11605	20.675	20035
34	3	5720	12.15	2490	5.275	11605	20.425	19815
35	3	5800	12	2400	5.275	11605	20.275	19805
36	3.2	5800	12.2	2550	5.275	11605	20.675	19955
37	3	5700	12	2420	5.275	11605	20.275	19725
38	3.1	5750	12.2	2540	5.275	11605	20.575	19895
39	3.1	5770	12	2420	5.275	11605	20.375	19795
40	3	5700	12.1	2450	5.275	11605	20.375	19755
41								
Total	124.15	231050	484.2	99040	211.00	464200	819.35	794290

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # M198 PERFORMED BY: _____

DATE: 11/15/00 INSPECTED BY: _____

Design Quantity: Chicken Manure _____ CY _____ Pounds
Straw _____ CY _____ Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5720	12.15	2570				
21	3.15	5790	12.10	2470				
22	3.20	5810	12.10	2450				
23	3.10	5760	1210	2430				
24	3.15	5860	1215	2520				
25	3	5700	1210	2440				
26	3.15	5840	1225	2600				
27	3.10	5770	12.10	2460				
28	3.15	5800	1210	2450				
29	3.10	5710	12.10	2420 ~~12.10~~				
30	3.10	5770	12	2400				
31	3	5700	1210	2460				
32	3.15	5790	1225	2600				
33	3.20	5880	1220	2550				
34	3.00	5720	1215	2490				
35	3.10	5700	12	2400				
36	3.20	5800	1220	2550				
37	3	5700	12	2420				
38	3.10	5750	1220	2540				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 7M Windrow # 7M198 PERFORMED BY: _____

DATE: 11/11/01 00 INSPECTED BY: _____

Design Quantity: Chicken Manure_____CY _____Pounds
Straw_____CY_____Pounds
Soil_____CY_____Pounds

Batch Number	CHICKEN MANURE Supplier:_____		STRAW Supplier:_____		SOIL Location:_____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
39	3.10	5770	12	2420				
40	3	5700	12.10	2450				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
M198	11/15/00	11/15/00	0		33.43
		11/16/00	1	54.10	44.90
		11/17/00	2	63.03	49.13
		11/18/00	3	59.23	51.27
		11/20/00	5	62.57	50.47
		11/21/00	6	60.30	50.20
		11/22/00	7	52.50	51.53
		11/24/00	9	56.50	50.67
		11/25/00	10	65.27	61.90
		11/27/00	12	63.33	53.33
		11/28/00	13	61.33	58.53
		11/29/00	14	62.97	49.90
		11/30/00	15	58.37	54.13
		12/1/00	16	52.23	51.73
		12/2/00	17	51.03	43.43
		12/4/00	19	46.03	48.23
		12/5/00	20	51.90	46.57

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M198	11/15/00	11/24/00	9	6.30	9.48
		11/25/00	10	7.40	8.97
		11/27/00	12	12.57	12.60
		11/28/00	13	12.03	11.67
		11/29/00	14	9.60	12.00
		11/30/00	15	5.73	10.43
		12/1/00	16	7.23	10.36
		12/2/00	17	10.22	14.27
		12/4/00	19	9.27	10.67
		12/5/00	20	6.67	7.60

All average Oxygen values are expressed as a percent

Windrow Number: M198 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	11/15/00	12/06/00	21	03	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 03 :			*484*
135TNB	11/15/00	12/06/00	21	05	1	LT	454
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*485*
135TNB	11/15/00	12/06/00	21	07	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 07 :			*476*
135TNB	11/15/00	12/06/00	21	09	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*492*
135TNB	11/15/00	12/06/00	21	11	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 21 : 486

Standard Deviation: 15

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M198 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	11/15/00	12/06/00	21	03	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*484*
13DNB	11/15/00	12/06/00	21	05	1	LT	454	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*485*
13DNB	11/15/00	12/06/00	21	07	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*476*
13DNB	11/15/00	12/06/00	21	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
13DNB	11/15/00	12/06/00	21	11	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 21 : 486

Standard Deviation: 15

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M198 *2,4,6-TRINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
246TNT	11/15/00	12/06/00	21	03	1	LT	476	
					2	LT	476	
					3		122 J	
				Average Concentration for Cross Section 03 :				*358*
246TNT	11/15/00	12/06/00	21	05	1		61.2 J	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*354*
246TNT	11/15/00	12/06/00	21	07	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*476*
246TNT	11/15/00	12/06/00	21	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
246TNT	11/15/00	12/06/00	21	11	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 21 : ***434***

Standard Deviation: ***140***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M198 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	11/15/00	12/06/00	21	03	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*484*
24DNT	11/15/00	12/06/00	21	05	1	LT	454	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*485*
24DNT	11/15/00	12/06/00	21	07	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*476*
24DNT	11/15/00	12/06/00	21	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
24DNT	11/15/00	12/06/00	21	11	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 21 : 486

Standard Deviation: 15

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M198 **2,6-DINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
26DNT	11/15/00	12/06/00	21	03	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*484*
26DNT	11/15/00	12/06/00	21	05	1	LT	454	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*485*
26DNT	11/15/00	12/06/00	21	07	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*476*
26DNT	11/15/00	12/06/00	21	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
26DNT	11/15/00	12/06/00	21	11	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 21 : ***486***

Standard Deviation: ***15***

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M198 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	11/15/00	12/06/00	21	03	1	LT 476	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*484*
2A46DT	11/15/00	12/06/00	21	05	1	LT 454	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*485*
2A46DT	11/15/00	12/06/00	21	07	1	LT 476	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*476*
2A46DT	11/15/00	12/06/00	21	09	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*492*
2A46DT	11/15/00	12/06/00	21	11	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 21 : 486

Standard Deviation: 15

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M198 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	11/15/00	12/06/00	21	03	1	LT 476	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*484*
2NT	11/15/00	12/06/00	21	05	1	LT 454	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*485*
2NT	11/15/00	12/06/00	21	07	1	LT 476	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*476*
2NT	11/15/00	12/06/00	21	09	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*492*
2NT	11/15/00	12/06/00	21	11	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 21 : 486

Standard Deviation: 15

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: M198 **3-NITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	11/15/00	12/06/00	21	03	1	LT 476	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*484*
3NT	11/15/00	12/06/00	21	05	1	LT 454	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*485*
3NT	11/15/00	12/06/00	21	07	1	LT 476	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*476*
3NT	11/15/00	12/06/00	21	09	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*492*
3NT	11/15/00	12/06/00	21	11	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 21 : 486

Standard Deviation: 15

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: M198 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	11/15/00	12/06/00	21	03	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*484*
4A26DT	11/15/00	12/06/00	21	05	1	LT	454	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*485*
4A26DT	11/15/00	12/06/00	21	07	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*476*
4A26DT	11/15/00	12/06/00	21	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
4A26DT	11/15/00	12/06/00	21	11	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 21 : ***486***

Standard Deviation: ***15***

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M198 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4NT	11/15/00	12/06/00	21	03	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*484*
4NT	11/15/00	12/06/00	21	05	1	LT	454	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*485*
4NT	11/15/00	12/06/00	21	07	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*476*
4NT	11/15/00	12/06/00	21	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
4NT	11/15/00	12/06/00	21	11	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 21 : 486

Standard Deviation: 15

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M198 ***HMX Results***

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
HMX	11/15/00	12/06/00	21	03	1	LT	476	
					2		1100	
					3		3530	
				Average Concentration for Cross Section 03 :				*1702*
HMX	11/15/00	12/06/00	21	05	1	LT	454	
					2		96.5 J	
					3		82.4 J	
				Average Concentration for Cross Section 05 :				*211*
HMX	11/15/00	12/06/00	21	07	1	LT	476	
					2		145 J	
					3		173 J	
				Average Concentration for Cross Section 07 :				*265*
HMX	11/15/00	12/06/00	21	09	1	LT	476	
					2		185 J	
					3		126 J	
				Average Concentration for Cross Section 09 :				*262*
HMX	11/15/00	12/06/00	21	11	1		107 J	
					2		722	
					3		24.8 J	
				Average Concentration for Cross Section 11 :				*285*

Average Concentration for Windrow on Day 21 : ***545***

Standard Deviation: ***876***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M198 *NITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
NB	11/15/00	12/06/00	21	03	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 03 :			*484*
NB	11/15/00	12/06/00	21	05	1	LT	454
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*485*
NB	11/15/00	12/06/00	21	07	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 07 :			*476*
NB	11/15/00	12/06/00	21	09	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*492*
NB	11/15/00	12/06/00	21	11	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 21 : ***486***

Standard Deviation: *15*

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M198 ***RDX Results***

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
RDX	11/15/00	12/06/00	21	03	1	LT 476	
					2	3420	
					3	7420	
				Average Concentration for Cross Section 03 :			*3772*
RDX	11/15/00	12/06/00	21	05	1	LT 454	
					2	697	
					3	138 J	
				Average Concentration for Cross Section 05 :			*430*
RDX	11/15/00	12/06/00	21	07	1	LT 476	
					2	177 J	
					3	1090	
				Average Concentration for Cross Section 07 :			*581*
RDX	11/15/00	12/06/00	21	09	1	LT 476	
					2	182 J	
					3	33.1 J	
				Average Concentration for Cross Section 09 :			*230*
RDX	11/15/00	12/06/00	21	11	1	LT 476	
					2	661	
					3	75.1 J	
				Average Concentration for Cross Section 11 :			*404*

Average Concentration for Windrow on Day 21 : ***1083***

Standard Deviation: ***1936***

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M198 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
TETRYL	11/15/00	12/06/00	21	03	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*484*
TETRYL	11/15/00	12/06/00	21	05	1	LT	454	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*485*
TETRYL	11/15/00	12/06/00	21	07	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*476*
TETRYL	11/15/00	12/06/00	21	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
TETRYL	11/15/00	12/06/00	21	11	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 21 : ***486***

Standard Deviation: ***15***

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-199 Day 0: 11/29/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.5	5900	13	3000	5.275	11605	21.775	20505
2	3.25	5750	12.5	2800	5.275	11605	21.025	20155
3	3.5	5750	12.25	2600	5.275	11605	21.025	19955
4	3	5700	12.15	2500	5.275	11605	20.425	19805
5	3.5	5850	12.25	2650	5.275	11605	21.025	20105
6	3.25	5820	12	2400	5.275	11605	20.525	19825
7	3.25	5750	12.15	2500	5.275	11605	20.675	19855
8	3	5700	12	2400	5.275	11605	20.275	19705
9	3.25	5850	12.2	2550	5.275	11605	20.725	20005
10	3.5	5900	12.25	2680	5.275	11605	21.025	20185
11	3	5700	12.15	2500	5.275	11605	20.425	19805
12	3.25	5850	12	2400	5.275	11605	20.525	19855
13	3.25	5775	12.25	2650	5.275	11605	20.775	20030
14	3.15	5720	12	2400	5.275	11605	20.425	19725
15	3.25	5840	12.15	2500	5.275	11605	20.675	19945
16	3	5700	12.25	2610	5.275	11605	20.525	19915
17	3.25	5850	12.15	2540	5.275	11605	20.675	19995
18	3	5700	12.25	2640	5.275	11605	20.525	19945
19	3.5	5910	12.25	2690	5.275	11605	21.025	20205
20	3.15	5740	12.15	2550	5.275	11605	20.575	19895
21	3.2	5810	12.1	2400	5.275	11605	20.575	19815
22	3	5700	12.15	2500	5.275	11605	20.425	19805
23	3.25	5790	12	2400	5.275	11605	20.525	19795
24	3	5700	12.15	2540	5.275	11605	20.425	19845
25	3.5	5800	12	2400	5.275	11605	20.775	19805
26	3.25	5750	12	2400	5.275	11605	20.525	19755
27	3	5700	12.15	2500	5.275	11605	20.425	19805
28	3.15	5790	12	2420	5.275	11605	20.425	19815
29	3.25	5850	12.25	2600	5.275	11605	20.775	20055
30	3	5700	12.15	2570	5.275	11605	20.425	19875
31	3.25	5750	12.1	2490	5.275	11605	20.625	19845
32	3.25	5800	12	2400	5.275	11605	20.525	19805
33	3	5700	12.25	2610	5.275	11605	20.525	19915
34	3.25	5840	12.1	2450	5.275	11605	20.625	19895
35	3.25	5870	12.25	2610	5.275	11605	20.775	20085
36	3.15	5790	12.15	2500	5.275	11605	20.575	19895
37	3.25	5820	12.15	2470	5.275	11605	20.675	19895
38					5.275	11605	5.275	11605
39					5.275	11605	5.275	11605
40					5.275	11605	5.275	11605
41								
Total	118.8	213915	450.3	93820	211.00	464200	780.1	771935

RECORD OF RECIPE (MIX NO. 7B)

Building # 21 Windrow # 11199 PERFORMED BY: _____

DATE: 11/27/00 INSPECTED BY: _____

Design Quantity: Chicken Manure_____CY _____Pounds
Straw_____CY_____Pounds
Soil_____CY_____Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.50	5900	13	3000				
2	3.25	5750	12.50	2800				
3	3.50	5850	12.25	2600				
4	3	5700	12.15	2500				
5	3.50	5850	12.25	2650				
6	3.25	5800	12	2400				
7	3.25	5750	12.15	2500				
8	3	5700	12	2400				
9	3.25	5850	12.20	2550				
10	3.50	5900	12.25	2680				
11	3	5700	12.15	2500				
12	3.25	5850	12	2400				
13	3.25	5775	12.25	2650				
14	3.15	5720	12	2400				
15	3.25	5840	12.15	2500				
16	3	5700	12.25	2610				
17	3.25	5850	12.15	2540				
18	3	5700	12.25	2640				
19	3.50	5910	12.25	2670				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 17 Windrow # 199 PERFORMED BY: _____

DATE: 11/28/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	~~12~~ 3.15	5740	12.15	2550				
21	~~3.50~~ 3.30	5810	1210	2400				
22	3	5700	12.15	2500				
23	3.25	5790	12	2400				
24	3	5700	12.15	2540				
25	3.50	5800	12	2400				
26	3.25	5750	12	2400				
27	3	5700	12.15	2500				
28	3.15	5790	12	2420				
29	3.25	5850	12.25	2600				
30	3	5700	12.15	2570				
31	3.25	5750	12.10	2490				
32	3.25	5800	12	2400				
33	3	5700	12.25	2610				
34	3.25	5840	12.10	2450				
35	3.25	5870	12.25	2610				
36	3.15	5790	12.15	2500				
37	3.25	5520	12.17	2470				
38								
Total								

Comments:

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-199 Day 50: 1/18/01

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3	5600	12	2400			15	8000
2	3	5700	12.2	2500			15.2	8200
3	3	5700	12	2400			15	8100
4	3	5600	12.2	2500			15.2	8100
5	3	5700	12	2400			15	8100
6	3	5600	12.2	2500			15.2	8100
7	3	5650	11.75	2300			14.75	7950
8	3	5700	12.1	2450			15.1	8150
9	3.5	5800	12	2400			15.5	8200
10	3.5	5900	12	2400			15.5	8300
11	3	5700	12	2400			15	8100
12	3.5	6000	12.75	2800			16.25	8800
13	3.5	5800	12.25	2600			15.75	8400
14	3.5	5900	12	2460			15.5	8360
15	3.1	5780	12	2400			15.1	8180
16	3	5700	11.75	2370			14.75	8070
17	3.3	5790	11.5	2190			14.8	7980
18	3.5	5910	12	2440			15.5	8350
19	3.5	5960	12	2470			15.5	8430
20	3	5700	12.1	2670			15.1	8370
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								
41								
Total	63.9	115190	240.8	49050	0.00	0	304.7	164240

RECORD OF RECIPE (MIX NO. 7B)

Building # 2 Windrow # 199 PERFORMED BY: _____

DATE: 1/8/01 INSPECTED BY: _____

Design Quantity: Chicken Manure _____ CY _____ Pounds
Straw _____ CY _____ Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: 5700		STRAW Supplier: 2 2400		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.5	6080	12.25	2800				
2	3.5	5800	12.25	2600				
3	3.5	5900	12	2460				
4	3.1	5280	12	2400				
5	3	5700	11.25	2370				
6	3.3	5790	11.5	2190				
7	3.5	5910	12	2440				
8	3.5	5960	12	2470				
9	3	5700	12.1	2670				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 2 Windrow # 199 PERFORMED BY: _____

DATE: 01/18/01 INSPECTED BY: _____

Design Quantity: Chicken Manure _____ CY 5,700 Pounds
Straw _____ CY 2,400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5,600	12	2,400				
2	3	5,700	12.2	2,500				
3	3	5,700	12	2,400				
4	3	5,600	12.2	2,500				
5	3	5,700	12	2,400				
6	3	5,600	12.2	2,500				
7	3	5650	11.75	2300				
8	3	5700	12.1	2450				
9	3.5	5800	12	2400				
10	3.5	5900	12	2400				
11	3.0	5700	12	2400				
12								
13								
14								
15								
16								
17								
18								
19								
Total								

Comments:

28,57

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
M199	11/29/00	11/29/00	0		23.00
		11/30/00	1	49.03	51.57
		12/1/00	2	54.57	56.07
		12/2/00	3	51.40	45.17
		12/4/00	5	50.37	46.97
		12/5/00	6	57.23	51.93
		12/6/00	7	54.93	48.53
		12/7/00	8	52.10	49.80
		12/8/00	9	54.93	46.07
		12/9/00	10	49.00	
		12/11/00	12	57.60	54.40
		12/12/00	13	59.83	
		12/13/00	14	58.27	54.43
		12/14/00	15	47.20	44.00
		12/15/00	16	55.17	58.00
		12/16/00	17	49.33	48.33
		12/18/00	19	49.27	42.23
		12/19/00	20	48.50	
		12/20/00	21	45.13	48.63
		1/18/01	50		23.43
		1/19/01	51	35.13	31.83
		1/22/01	54	49.52	45.77
		1/23/01	55	53.57	46.57
		1/24/01	56	50.63	41.00
		1/25/01	57	53.40	46.10
		1/26/01	58	51.00	46.03
		1/27/01	59	50.10	43.77
		1/29/01	61	48.40	44.57
		1/30/01	62	46.83	41.83
		1/31/01	63	46.37	38.13
		2/1/01	64	43.00	37.03
		2/2/01	65	39.57	
		2/3/01	66	47.33	33.23
		2/5/01	68	36.75	33.55

All average temperatures are in degrees centigrade

Wednesday, July 03, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M199	11/29/00	11/29/00	0		15.03
		11/30/00	1	10.34	12.73
		12/1/00	2	7.83	8.80
		12/2/00	3	11.77	13.20
		12/4/00	5	8.43	12.53
		12/5/00	6	7.03	9.17
		12/6/00	7	8.67	8.93
		12/7/00	8	17.37	14.00
		12/8/00	9	12.03	13.23
		12/9/00	10	20.70	
		12/11/00	12	17.20	15.87
		12/12/00	13	14.47	
		12/13/00	14	14.67	11.27
		12/14/00	15	12.63	16.87
		12/15/00	16	9.13	9.50
		12/16/00	17	13.00	13.77
		12/18/00	19	15.57	16.70
		12/19/00	20	16.03	
		12/20/00	21	16.97	13.23
		1/18/01	50		18.70
		1/19/01	51	7.03	9.50
		1/22/01	54	11.47	12.00
		1/23/01	55	9.40	15.86
		1/24/01	56	14.60	16.27
		1/25/01	57	11.87	14.77
		1/26/01	58	14.10	15.23
		1/27/01	59	13.10	14.57
		1/29/01	61	13.57	15.00
		1/30/01	62	14.79	16.47
		1/31/01	63	16.13	17.20
		2/1/01	64	16.80	17.30
		2/2/01	65	15.80	
		2/3/01	66	13.18	18.47
		2/5/01	68	18.30	17.00

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M199	11/29/00	11/29/00	0		53.26
		12/6/00	7		45.18
		1/18/01	50		43.52
		1/19/01	51		49.20
		1/24/01	56		49.08
		1/31/01	63		51.92

All average MWHC values are expressed in percent

Wednesday, July 03, 2002

Average Daily Windrow PH Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn*	*PRE-Turn*
M199	11/29/00	1/19/01	51	8.32	
		1/31/01	63	8.38	

All average PH values are expressed in standard units

Wednesday, July 03, 2002

Windrow Number: M199 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	11/29/00	12/21/00	22	03	1	LT	500
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 03 :		*500*
135TNB	11/29/00	12/21/00	22	05	1	LT	476
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 05 :		*484*
135TNB	11/29/00	12/21/00	22	07	1	LT	476
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 07 :		*492*
135TNB	11/29/00	12/21/00	22	09	1	LT	476
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 09 :		*476*
135TNB	11/29/00	12/21/00	22	11	1	LT	500
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 11 :		*484*

Average Concentration for Windrow on Day 22 : 487

Standard Deviation: 12

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	11/29/00	02/06/01	69	03	1	LT	454
					2	LT	417
					3	LT	435
					Average Concentration for Cross Section 03 :		*435*
135TNB	11/29/00	02/06/01	69	05	1	LT	454
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 05 :		*477*
135TNB	11/29/00	02/06/01	69	07	1	LT	476
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 07 :		*476*
135TNB	11/29/00	02/06/01	69	09	1	LT	357
					2	LT	435
					3	LT	454
					Average Concentration for Cross Section 09 :		*415*
135TNB	11/29/00	02/06/01	69	11	1	LT	385
					2	LT	454
					3	LT	370
					Average Concentration for Cross Section 11 :		*403*

Average Concentration for Windrow on Day 69 : 441

Standard Deviation: 42

Percent Reduction of 135TNB: 9.43%

Windrow Number: M199 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
13DNB	11/29/00	12/21/00	22	03	1	LT	500
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 03 :		*500*
13DNB	11/29/00	12/21/00	22	05	1	LT	476
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 05 :		*484*
13DNB	11/29/00	12/21/00	22	07	1	LT	476
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 07 :		*492*
13DNB	11/29/00	12/21/00	22	09	1	LT	476
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 09 :		*476*
13DNB	11/29/00	12/21/00	22	11	1	LT	500
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 11 :		*484*

Average Concentration for Windrow on Day 22 : 487

Standard Deviation: 12

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
13DNB	11/29/00	02/06/01	69	03	1	LT	454
					2	LT	417
					3	LT	435
					Average Concentration for Cross Section 03 :		*435*
13DNB	11/29/00	02/06/01	69	05	1	LT	454
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 05 :		*477*
13DNB	11/29/00	02/06/01	69	07	1	LT	476
					2	LT	476
					3		62.4 J
					Average Concentration for Cross Section 07 :		*338*
13DNB	11/29/00	02/06/01	69	09	1	LT	357
					2	LT	435
					3	LT	454
					Average Concentration for Cross Section 09 :		*415*
13DNB	11/29/00	02/06/01	69	11	1	LT	385
					2	LT	454
					3	LT	370
					Average Concentration for Cross Section 11 :		*403*

Average Concentration for Windrow on Day 69 : 414

Standard Deviation: 106

Percent Reduction of 13DNB: 15.09%

Windrow Number: M199 **2,4,6-TRINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
246TNT	11/29/00	12/21/00	22	03	1	LT	500
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 03 :		*500*
246TNT	11/29/00	12/21/00	22	05	1	LT	476
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 05 :		*484*
246TNT	11/29/00	12/21/00	22	07	1	LT	476
					2		1120
					3		199 J
					Average Concentration for Cross Section 07 :		*598*
246TNT	11/29/00	12/21/00	22	09	1	LT	476
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 09 :		*476*
246TNT	11/29/00	12/21/00	22	11	1	LT	500
					2	LT	476
					3		510
					Average Concentration for Cross Section 11 :		*495*

Average Concentration for Windrow on Day 22 : 511

Standard Deviation: 185

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
246TNT	11/29/00	02/06/01	69	03	1	LT	454
					2		234 J
					3		174 J
					Average Concentration for Cross Section 03 :		*287*
246TNT	11/29/00	02/06/01	69	05	1	LT	454
					2		174 J
					3	LT	500
					Average Concentration for Cross Section 05 :		*376*
246TNT	11/29/00	02/06/01	69	07	1	LT	476
					2		694
					3		164 J
					Average Concentration for Cross Section 07 :		*445*
246TNT	11/29/00	02/06/01	69	09	1		316 J
					2	LT	435
					3	LT	454
					Average Concentration for Cross Section 09 :		*402*
246TNT	11/29/00	02/06/01	69	11	1	LT	385
					2	LT	454
					3	LT	370
					Average Concentration for Cross Section 11 :		*403*

Average Concentration for Windrow on Day 69 : 383

Standard Deviation: 147

Percent Reduction of 246TNT: 25.10%

Windrow Number: M199 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	11/29/00	12/21/00	22	03	1	LT	500	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 03 :			*500*
24DNT	11/29/00	12/21/00	22	05	1	LT	476	
					2	LT	476	
					3	LT	500	
					Average Concentration for Cross Section 05 :			*484*
24DNT	11/29/00	12/21/00	22	07	1	LT	476	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 07 :			*492*
24DNT	11/29/00	12/21/00	22	09	1	LT	476	
					2	LT	476	
					3	LT	476	
					Average Concentration for Cross Section 09 :			*476*
24DNT	11/29/00	12/21/00	22	11	1	LT	500	
					2	LT	476	
					3	LT	476	
					Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 22 : ***487***

Standard Deviation: ***12***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	11/29/00	02/06/01	69	03	1	LT	454	
					2	LT	417	
					3	LT	435	
					Average Concentration for Cross Section 03 :			*435*
24DNT	11/29/00	02/06/01	69	05	1	LT	454	
					2	LT	476	
					3	LT	500	
					Average Concentration for Cross Section 05 :			*477*
24DNT	11/29/00	02/06/01	69	07	1	LT	476	
					2	LT	476	
					3	LT	476	
					Average Concentration for Cross Section 07 :			*476*
24DNT	11/29/00	02/06/01	69	09	1	LT	357	
					2	LT	435	
					3	LT	454	
					Average Concentration for Cross Section 09 :			*415*
24DNT	11/29/00	02/06/01	69	11	1	LT	385	
					2	LT	454	
					3	LT	370	
					Average Concentration for Cross Section 11 :			*403*

Average Concentration for Windrow on Day 69 : ***441***

Standard Deviation: ***42***

Percent Reduction of 24DNT: 9.43%

Windrow Number: M199 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	11/29/00	12/21/00	22	03	1	LT	500
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 03 :		*500*
26DNT	11/29/00	12/21/00	22	05	1	LT	476
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 05 :		*484*
26DNT	11/29/00	12/21/00	22	07	1	LT	476
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 07 :		*492*
26DNT	11/29/00	12/21/00	22	09	1	LT	476
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 09 :		*476*
26DNT	11/29/00	12/21/00	22	11	1	LT	500
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 11 :		*484*

Average Concentration for Windrow on Day 22 : ***487***

Standard Deviation: ***12***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	11/29/00	02/06/01	69	03	1	LT	454
					2	LT	417
					3	LT	435
					Average Concentration for Cross Section 03 :		*435*
26DNT	11/29/00	02/06/01	69	05	1	LT	454
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 05 :		*477*
26DNT	11/29/00	02/06/01	69	07	1	LT	476
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 07 :		*476*
26DNT	11/29/00	02/06/01	69	09	1	LT	357
					2	LT	435
					3	LT	454
					Average Concentration for Cross Section 09 :		*415*
26DNT	11/29/00	02/06/01	69	11	1	LT	385
					2	LT	454
					3	LT	370
					Average Concentration for Cross Section 11 :		*403*

Average Concentration for Windrow on Day 69 : ***441***

Standard Deviation: ***42***

Percent Reduction of 26DNT: 9.43%

Windrow Number: M199 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	11/29/00	12/21/00	22	03	1	LT	500
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 03 :		*500*
2A46DT	11/29/00	12/21/00	22	05	1	LT	476
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 05 :		*484*
2A46DT	11/29/00	12/21/00	22	07	1	LT	476
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 07 :		*492*
2A46DT	11/29/00	12/21/00	22	09	1	LT	476
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 09 :		*476*
2A46DT	11/29/00	12/21/00	22	11	1	LT	500
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 11 :		*484*

Average Concentration for Windrow on Day 22 : 487

Standard Deviation: 12

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	11/29/00	02/06/01	69	03	1	LT	454
					2	LT	417
					3	LT	435
					Average Concentration for Cross Section 03 :		*435*
2A46DT	11/29/00	02/06/01	69	05	1	LT	454
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 05 :		*477*
2A46DT	11/29/00	02/06/01	69	07	1	LT	476
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 07 :		*476*
2A46DT	11/29/00	02/06/01	69	09	1	LT	357
					2	LT	435
					3	LT	454
					Average Concentration for Cross Section 09 :		*415*
2A46DT	11/29/00	02/06/01	69	11	1	LT	385
					2	LT	454
					3	LT	370
					Average Concentration for Cross Section 11 :		*403*

Average Concentration for Windrow on Day 69 : 441

Standard Deviation: 42

Percent Reduction of 2A46DT: 9.43%

Windrow Number: M199 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	11/29/00	12/21/00	22	03	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*500*
4A26DT	11/29/00	12/21/00	22	05	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 05 :			*484*
4A26DT	11/29/00	12/21/00	22	07	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*492*
4A26DT	11/29/00	12/21/00	22	09	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 09 :			*476*
4A26DT	11/29/00	12/21/00	22	11	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 22 : 487

Standard Deviation: 12

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	11/29/00	02/06/01	69	03	1	LT	454
					2	LT	417
					3	LT	435
				Average Concentration for Cross Section 03 :			*435*
4A26DT	11/29/00	02/06/01	69	05	1	LT	454
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 05 :			*477*
4A26DT	11/29/00	02/06/01	69	07	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 07 :			*476*
4A26DT	11/29/00	02/06/01	69	09	1	LT	357
					2	LT	435
					3	LT	454
				Average Concentration for Cross Section 09 :			*415*
4A26DT	11/29/00	02/06/01	69	11	1	LT	385
					2	LT	454
					3	LT	370
				Average Concentration for Cross Section 11 :			*403*

Average Concentration for Windrow on Day 69 : 441

Standard Deviation: 42

Percent Reduction of 4A26DT: 9.43%

Windrow Number: M199 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	11/29/00	12/21/00	22	03	1	LT	500
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 03 :		*500*
4NT	11/29/00	12/21/00	22	05	1	LT	476
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 05 :		*484*
4NT	11/29/00	12/21/00	22	07	1	LT	476
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 07 :		*492*
4NT	11/29/00	12/21/00	22	09	1	LT	476
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 09 :		*476*
4NT	11/29/00	12/21/00	22	11	1	LT	500
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 11 :		*484*

Average Concentration for Windrow on Day 22 : 487

Standard Deviation: 12

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	11/29/00	02/06/01	69	03	1	LT	454
					2	LT	417
					3	LT	435
					Average Concentration for Cross Section 03 :		*435*
4NT	11/29/00	02/06/01	69	05	1	LT	454
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 05 :		*477*
4NT	11/29/00	02/06/01	69	07	1	LT	476
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 07 :		*476*
4NT	11/29/00	02/06/01	69	09	1	LT	357
					2	LT	435
					3	LT	454
					Average Concentration for Cross Section 09 :		*415*
4NT	11/29/00	02/06/01	69	11	1	LT	385
					2	LT	454
					3	LT	370
					Average Concentration for Cross Section 11 :		*403*

Average Concentration for Windrow on Day 69 : 441

Standard Deviation: 42

Percent Reduction of 4NT: 9.43%

Windrow Number: M199 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
HMX	11/29/00	12/21/00	22	03	1		2700	
					2		7940	
					3		17900	
					Average Concentration for Cross Section 03 :			*9513*
HMX	11/29/00	12/21/00	22	05	1		395 J	
					2		2990	
					3		13300	
					Average Concentration for Cross Section 05 :			*5562*
HMX	11/29/00	12/21/00	22	07	1	LT	476	
					2		1410	
					3		3560	
					Average Concentration for Cross Section 07 :			*1815*
HMX	11/29/00	12/21/00	22	09	1		1990	
					2		8490	
					3		436 J	
					Average Concentration for Cross Section 09 :			*3639*
HMX	11/29/00	12/21/00	22	11	1		417 J	
					2		2960	
					3		12800	
					Average Concentration for Cross Section 11 :			*5392*

Average Concentration for Windrow on Day 22 : 5184

Standard Deviation: 5590

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
HMX	11/29/00	02/06/01	69	03	1		996	
					2		327 J	
					3		745	
					Average Concentration for Cross Section 03 :			*689*
HMX	11/29/00	02/06/01	69	05	1	LT	454	
					2		739	
					3		593	
					Average Concentration for Cross Section 05 :			*595*
HMX	11/29/00	02/06/01	69	07	1	LT	476	
					2		471 J	
					3		428 J	
					Average Concentration for Cross Section 07 :			*458*
HMX	11/29/00	02/06/01	69	09	1		110 J	
					2		538	
					3		743	
					Average Concentration for Cross Section 09 :			*464*
HMX	11/29/00	02/06/01	69	11	1		173 J	
					2		662	
					3		4330	
					Average Concentration for Cross Section 11 :			*1722*

Average Concentration for Windrow on Day 69 : 786

Standard Deviation: 1007

Percent Reduction of HMX: 84.85%

Windrow Number: M199 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	11/29/00	12/21/00	22	03	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*500*
NB	11/29/00	12/21/00	22	05	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 05 :			*484*
NB	11/29/00	12/21/00	22	07	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*492*
NB	11/29/00	12/21/00	22	09	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 09 :			*476*
NB	11/29/00	12/21/00	22	11	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 22 : ***487***

Standard Deviation: ***12***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	11/29/00	02/06/01	69	03	1	LT	454
					2	LT	417
					3	LT	435
				Average Concentration for Cross Section 03 :			*435*
NB	11/29/00	02/06/01	69	05	1	LT	454
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 05 :			*477*
NB	11/29/00	02/06/01	69	07	1	LT	476
					2	LT	476
					3		141 J
				Average Concentration for Cross Section 07 :			*364*
NB	11/29/00	02/06/01	69	09	1	LT	357
					2	LT	435
					3	LT	454
				Average Concentration for Cross Section 09 :			*415*
NB	11/29/00	02/06/01	69	11	1	LT	385
					2	LT	454
					3	LT	370
				Average Concentration for Cross Section 11 :			*403*

Average Concentration for Windrow on Day 69 : ***419***

Standard Deviation: ***87***

Percent Reduction of NB: 14.01%

Windrow Number: M199 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
RDX	11/29/00	12/21/00	22	03	1	5190	
					2	35300	
					3	83100	
					Average Concentration for Cross Section 03 :		*41197*
RDX	11/29/00	12/21/00	22	05	1	867	
					2	6530	
					3	44600	
					Average Concentration for Cross Section 05 :		*17332*
RDX	11/29/00	12/21/00	22	07	1	494	
					2	1970	
					3	20300	
					Average Concentration for Cross Section 07 :		*7588*
RDX	11/29/00	12/21/00	22	09	1	2050	
					2	29700	
					3	2130	
					Average Concentration for Cross Section 09 :		*11293*
RDX	11/29/00	12/21/00	22	11	1	677	
					2	6220	
					3	50600	
					Average Concentration for Cross Section 11 :		*19166*

Average Concentration for Windrow on Day 22 : 19315

Standard Deviation: 24672

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
RDX	11/29/00	02/06/01	69	03	1	LT 454	
					2	587	
					3	2880	
					Average Concentration for Cross Section 03 :		*1307*
RDX	11/29/00	02/06/01	69	05	1	LT 454	
					2	1820	
					3	693	
					Average Concentration for Cross Section 05 :		*989*
RDX	11/29/00	02/06/01	69	07	1	LT 476	
					2	620	
					3	344 J	
					Average Concentration for Cross Section 07 :		*480*
RDX	11/29/00	02/06/01	69	09	1	374	
					2	3530	
					3	776	
					Average Concentration for Cross Section 09 :		*1560*
RDX	11/29/00	02/06/01	69	11	1	143 J	
					2	1300	
					3	16400	
					Average Concentration for Cross Section 11 :		*5948*

Average Concentration for Windrow on Day 69 : 2057

Standard Deviation: 4088

Percent Reduction of RDX: 89.35%

Windrow Number: M199 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	11/29/00	12/21/00	22	03	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*500*
TETRYL	11/29/00	12/21/00	22	05	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 05 :			*484*
TETRYL	11/29/00	12/21/00	22	07	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*492*
TETRYL	11/29/00	12/21/00	22	09	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 09 :			*476*
TETRYL	11/29/00	12/21/00	22	11	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 22 : 487

Standard Deviation: 12

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	11/29/00	02/06/01	69	03	1	LT	454
					2	LT	417
					3	LT	435
				Average Concentration for Cross Section 03 :			*435*
TETRYL	11/29/00	02/06/01	69	05	1	LT	454
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 05 :			*477*
TETRYL	11/29/00	02/06/01	69	07	1	LT	476.
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 07 :			*476*
TETRYL	11/29/00	02/06/01	69	09	1	LT	357
					2	LT	435
					3	LT	454
				Average Concentration for Cross Section 09 :			*415*
TETRYL	11/29/00	02/06/01	69	11	1	LT	385
					2	LT	454
					3	LT	370
				Average Concentration for Cross Section 11 :			*403*

Average Concentration for Windrow on Day 69 : 441

Standard Deviation: 42

Percent Reduction of TETRYL: 9.43%

TOLTEST, INC.

Record of Recipe Worksheet

Windrow #N-200 Day 0: 12/1/00

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.15	5790	12.25	2550	5	11000	20.4	19340
2	3	5700	12.1	2450	5	11000	20.1	19150
3	3.25	5870	12.25	2590	5	11000	20.5	19460
4	3.15	5750	12.1	2460	5	11000	20.25	19210
5	3.25	5800	12.2	2500	5	11000	20.45	19300
6	3	5700	12.1	2470	5	11000	20.1	19170
7	3.15	5790	12	2400	5	11000	20.15	19190
8	3	5700	12.1	2440	5	11000	20.1	19140
9	3.25	5830	12.2	2500	5	11000	20.45	19330
10	3.15	5750	12	2400	5	11000	20.15	19150
11	3.15	5770	12	2400	5	11000	20.15	19170
12	3.15	5750	12.1	2470	5	11000	20.25	19220
13	3	5700	12	2400	5	11000	20	19100
14	3.25	5840	12.2	2510	5	11000	20.45	19350
15	3.15	5780	12	2400	5	11000	20.15	19180
16	3	5700	12.1	2450	5	11000	20.1	19150
17	3.15	5790	12	2400	5	11000	20.15	19190
18	3.25	5870	12.2	2540	5	11000	20.45	19410
19	3	5700	12	2400	5	11000	20	19100
20	3.15	5760	12	2400	5	11000	20.15	19160
Total	62.6	115340	241.9	49130	100.00	220000	404.5	384470

RECORD OF RECIPE (MIX NO. 7B)

Building # N Windrow # 200 PERFORMED BY: Howard

DATE: 12/1/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.15	5790	12.25	2550				
2	3	5700	12.10	2450				
3	3.25	5870	12.25	2590				
4	3.15	5750	12.10	2460				
5	3.25	5800	12.20	2500				
6	3	5700	12.10	2470				
7	3.15	5750	12	2400				
8	3	5700	12.10	2440				
9	3.25	5830	12.20	2500				
10	3.15	5750	12.	2400				
11	3.19	5770	12	2400				
12	3.15	5750	12.10	2470				
13	3	5700	12	2400				
14	3.25	5840	12.20	2510				
15	3.15	5780	12	2400				
16	3	5700	12.10	2450				
17	3.15	5790	12	2400				
18	3.25	5870	12.20	2540				
19	3	5700	12	2400				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # N Windrow # 200 PERFORMED BY: [illegible]

DATE: 12/1/00 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 3400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.15	5760	12	2400				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
N200	12/1/00	12/1/00	0		26.83
		12/2/00	1	22.17	25.33
		12/4/00	3	44.25	48.08
		12/5/00	4	54.33	46.50
		12/6/00	5	52.67	46.50
		12/7/00	6	41.92	42.08
		12/8/00	7	40.92	38.00
		12/9/00	8	37.00	
		12/11/00	10	50.17	47.42
		12/12/00	11	53.92	52.83
		12/13/00	12	50.17	49.58
		12/14/00	13	13.00	11.50
		12/15/00	14	12.75	11.58

All average temperatures are in degrees centigrade

Friday, June 28, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
N200	12/1/00	12/1/00	0		13.67
		12/2/00	1	11.92	15.50
		12/4/00	3	12.17	14.25
		12/5/00	4	7.33	8.67
		12/6/00	5	7.83	6.17
		12/7/00	6	14.17	12.83
		12/8/00	7	18.25	17.83
		12/9/00	8	19.58	
		12/11/00	10	16.92	12.58
		12/12/00	11	15.17	10.25
		12/13/00	12	14.75	12.75
		12/14/00	13	15.33	15.50
		12/15/00	14	8.25	9.42

All average Oxygen values are expressed as a percent

Windrow Number: N200 *1,3,5-TRINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
135TNB	12/01/00	12/18/00	17	03	1	LT	500	
					2	LT	500	
					3	LT	476	
					Average Concentration for Cross Section 03 :			*492*
135TNB	12/01/00	12/18/00	17	05	1	LT	454	
					2	LT	500	
					3	LT	476	
					Average Concentration for Cross Section 05 :			*477*

Average Concentration for Windrow on Day 17 : *484*

Standard Deviation: *19*

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: N200 *1,3-DINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
13DNB	12/01/00	12/18/00	17	03	1	LT	500	
					2	LT	500	
					3	LT	476	
					Average Concentration for Cross Section 03 :			*492*
13DNB	12/01/00	12/18/00	17	05	1	LT	454	
					2	LT	500	
					3	LT	476	
					Average Concentration for Cross Section 05 :			*477*
					Average Concentration for Windrow on Day 17 :			*484*
					Standard Deviation:			*19*

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: N200 *2,4,6-TRINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
246TNT	12/01/00	12/18/00	17	03	1		3380	
					2	LT	500	
					3	LT	476	
					Average Concentration for Cross Section 03 :			*1452*
246TNT	12/01/00	12/18/00	17	05	1		2530	
					2	LT	500	
					3	LT	476	
					Average Concentration for Cross Section 05 :			*1169*

Average Concentration for Windrow on Day 17 : *1310*

Standard Deviation: *1302*

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: N200 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	12/01/00	12/18/00	17	03	1	LT	500	
					2	LT	500	
					3	LT	476	
					Average Concentration for Cross Section 03 :			*492*
24DNT	12/01/00	12/18/00	17	05	1	LT	454	
					2	LT	500	
					3	LT	476	
					Average Concentration for Cross Section 05 :			*477*
					Average Concentration for Windrow on Day 17 :			*484*
					Standard Deviation:			*19*

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: N200 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
26DNT	12/01/00	12/18/00	17	03	1	LT	500	
					2	LT	500	
					3	LT	476	
					Average Concentration for Cross Section 03 :			*492*
26DNT	12/01/00	12/18/00	17	05	1	LT	454	
					2	LT	500	
					3	LT	476	
					Average Concentration for Cross Section 05 :			*477*

Average Concentration for Windrow on Day 17 : *484*

Standard Deviation: *19*

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: N200 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
2A46DT	12/01/00	12/18/00	17	03	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*492*
2A46DT	12/01/00	12/18/00	17	05	1	LT	454	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*477*
					Average Concentration for Windrow on Day 17 :			*484*
						Standard Deviation:		*19*

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: N200 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
2NT	12/01/00	12/18/00	17	03	1	LT	500	
					2	LT	500	
					3	LT	476	
					Average Concentration for Cross Section 03 :			*492*
2NT	12/01/00	12/18/00	17	05	1	LT	454	
					2	LT	500	
					3	LT	476	
					Average Concentration for Cross Section 05 :			*477*

Average Concentration for Windrow on Day 17 : ***484***

Standard Deviation: ***19***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: N200 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
3NT	12/01/00	12/18/00	17	03	1	LT	500	
					2	LT	500	
					3	LT	476	
					Average Concentration for Cross Section 03 :			*492*
3NT	12/01/00	12/18/00	17	05	1	LT	454	
					2	LT	500	
					3	LT	476	
					Average Concentration for Cross Section 05 :			*477*
					Average Concentration for Windrow on Day 17 :			*484*
					Standard Deviation:			*19*

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: N200 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	12/01/00	12/18/00	17	03	1	LT	500	
					2	LT	500	
					3	LT	476	
					Average Concentration for Cross Section 03 :			*492*
4A26DT	12/01/00	12/18/00	17	05	1	LT	454	
					2	LT	500	
					3	LT	476	
					Average Concentration for Cross Section 05 :			*477*
					Average Concentration for Windrow on Day 17 :			*484*
					Standard Deviation:			*19*

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: N200 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4NT	12/01/00	12/18/00	17	03	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 03 :			*492*
4NT	12/01/00	12/18/00	17	05	1	LT	454
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 05 :			*477*

Average Concentration for Windrow on Day 17 : ***484***

Standard Deviation: ***19***

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: N200 *HMX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
HMX	12/01/00	12/18/00	17	03	1	31600	
					2	11300	
					3	63200	
					Average Concentration for Cross Section 03 :		*35367*
HMX	12/01/00	12/18/00	17	05	1	37300	
					2	15200	
					3	21000	
					Average Concentration for Cross Section 05 :		*24500*

Average Concentration for Windrow on Day 17 : *29933*

Standard Deviation: *19015*

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: N200 *NITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
NB	12/01/00	12/18/00	17	03	1	LT	500	
					2	LT	500	
					3	LT	476	
					Average Concentration for Cross Section 03 :			*492*
NB	12/01/00	12/18/00	17	05	1	LT	454	
					2	LT	500	
					3	LT	476	
					Average Concentration for Cross Section 05 :			*477*

Average Concentration for Windrow on Day 17 : ***484***

Standard Deviation: ***19***

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: N200 *RDX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
RDX	12/01/00	12/18/00	17	03	1	148000	
					2	64100	
					3	318000	
					Average Concentration for Cross Section 03 :		*176700*
RDX	12/01/00	12/18/00	17	05	1	159000	
					2	42900	
					3	95200	
					Average Concentration for Cross Section 05 :		*99033*

Average Concentration for Windrow on Day 17 : 137867

Standard Deviation: 99275

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: N200 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
TETRYL	12/01/00	12/18/00	17	03	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*492*
TETRYL	12/01/00	12/18/00	17	05	1	LT	454	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*477*
				Average Concentration for Windrow on Day 17 :				*484*
						Standard Deviation:		*19*

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow #S-201 Day 0:1/26/01

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3	5600	12	2400			15	8000
2	3.15	5820	12.15	2280			15.3	8100
3	3.05	5790	12	2610			15.05	8400
4	3.5	5860	12	2450			15.5	8310
5	3	5700	12.7	2830			15.7	8530
6	3.5	5890	12	2480			15.5	8370
7	3.5	5920	12	2360			15.5	8280
8	3.4	5810	12.25	2540			15.65	8350
9	3	5700	12	2420			15	8120
10	3.25	5890	12.75	2630			16	8520
11	3	5710	12	2350			15	8060
12	3.25	5880	12	2490			15.25	8370
13	3	5670	12.5	2540			15.5	8210
14	3	5700	12	2370			15	8070
15	3.25	5860	12	2440			15.25	8300
16	3	5760	12	2380			15	8140
17	3.4	5900	12.5	2650			15.9	8550
18	3.5	6000	12.75	2700			16.25	8700
19	3.25	5800	12.5	2600			15.75	8400
20	3.75	6100	13	2800			16.75	8900
21							0	0
Total	64.75	116360	245.1	50320	0	0	309.85	166680

Comments: **The Soil used for this windrow was N-200.**

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 200 Now PERFORMED BY: _____

DATE: 1/25 off #201 INSPECTED BY: _____

Design Quantity: Chicken Manure _____ CY _____ Pounds
Straw _____ CY _____ Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3 00	5600	12	2400				
2	315	5820	12.75	2280				
3	305	5790	12	2610				
4	350	5860	12	2450				
5	300	5700	12 20	2830				
6	350	5890	12	2480				
7	350	5920	12	2360				
8	340	5810	12.25	2540				
9	300	5700	12	2420				
10	325	5890	12 75	2630				
11	300	5710	12	2350				
12	325	5880	12	2490				
13	300	5670	12 50	2540				
14	300	5760	12	2370				
15	325	5860	12	2480				
16	300	5760	12	2380				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # ~~200~~ now 201 PERFORMED BY: _____

DATE: 1/25/01 INSPECTED BY: _____

Design Quantity: Chicken Manure_____CY _____Pounds
Straw_____CY_____Pounds
Soil_____CY_____Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
	340	5900	1250	2600				
	350	6000	1275	2700				
	325	5800	1250	2600				
	375	6100	1300	2800				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
1	1/26/01	1/26/01	0		10.37
		1/27/01	1	13.10	11.83
		1/29/01	3	34.87	29.97
		1/30/01	4	38.90	35.50
		1/31/01	5	43.23	36.20
		2/1/01	6	49.67	36.40
		2/2/01	7	45.03	
		2/3/01	8	49.43	38.57
		2/5/01	10	42.45	34.80
		2/6/01	11	43.45	38.10
		2/7/01	12	46.55	34.97
		2/8/01	13	44.45	40.15
		2/9/01	14	48.15	43.70
		2/10/01	15	46.03	38.18
		2/12/01	17	41.43	32.13
		2/13/01	18	34.23	33.77
		4/14/01	78	43.23	35.67

All average temperatures are in degrees centigrade

Monday, July 08, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S201	1/26/01	1/26/01	0		19.07
		1/27/01	1	19.37	18.57
		1/29/01	3	14.17	14.90
		1/30/01	4	13.77	11.83
		1/31/01	5	13.40	13.10
		2/1/01	6	13.27	15.13
		2/2/01	7	14.50	
		2/3/01	8	11.77	18.23
		2/5/01	10	15.10	16.75
		2/6/01	11	15.50	15.50
		2/7/01	12	15.55	16.10
		2/8/01	13	15.15	16.85
		2/9/01	14	13.30	13.00
		2/10/01	15	14.13	18.33
		2/12/01	17	14.47	18.00
		2/13/01	18	15.30	16.83
		4/14/01	78	15.60	16.47

All average Oxygen values are expressed as a percent

Monday, July 08, 2002

Average Daily Windrow WHC Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (%)	POST-Turn (%)
S201	1/26/01	1/26/01	0		48.84
		1/27/01	1		
		1/29/01	3		51.60
		1/30/01	4		
		1/31/01	5		47.68
		2/1/01	6		
		2/3/01	8		
		2/5/01	10		
		2/6/01	11		
		2/7/01	12		
		2/8/01	13		
		2/9/01	14		
		2/10/01	15		
		2/12/01	17		
		2/13/01	18		
		4/14/01	78		

All average MWHC values are expressed in percent

Average Daily Windrow PH Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn*	*PRE-Turn*
S201	1/26/01	1/31/01	5	8.78	

All average PH values are expressed in standard units

Monday, July 08, 2002

Windrow Number: S201 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	01/26/01	02/15/01	20	03	1	LT	435
					2	LT	476
					3	LT	454
					Average Concentration for Cross Section 03 :		*455*
135TNB	01/26/01	02/15/01	20	05	1	LT	476
					2	LT	454
					3	LT	500
					Average Concentration for Cross Section 05 :		*477*
135TNB	01/26/01	02/15/01	20	07	1	LT	454
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 07 :		*477*
135TNB	01/26/01	02/15/01	20	09	1	LT	454
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 09 :		*485*
135TNB	01/26/01	02/15/01	20	11	1	LT	476
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 11 :		*476*

Average Concentration for Windrow on Day 20 : ***474***

Standard Deviation: ***20***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	01/26/01	03/14/01	47	03	1	LT	476
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 03 :		*476*
135TNB	01/26/01	03/14/01	47	05	1	LT	500
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 05 :		*484*
135TNB	01/26/01	03/14/01	47	07	1	LT	476
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 07 :		*476*
135TNB	01/26/01	03/14/01	47	09	1	LT	476
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 09 :		*476*
135TNB	01/26/01	03/14/01	47	11	1	LT	500
					2	LT	500
					3	LT	476
					Average Concentration for Cross Section 11 :		*492*

Average Concentration for Windrow on Day 47 : ***481***

Standard Deviation: ***10***

Percent Reduction of 135TNB: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S201 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	01/26/01	02/15/01	20	03	1	LT	435	
					2	LT	476	
					3	LT	454	
					Average Concentration for Cross Section 03 :			*455*
13DNB	01/26/01	02/15/01	20	05	1	LT	476	
					2	LT	454	
					3	LT	500	
					Average Concentration for Cross Section 05 :			*477*
13DNB	01/26/01	02/15/01	20	07	1	LT	454	
					2	LT	476	
					3	LT	500	
					Average Concentration for Cross Section 07 :			*477*
13DNB	01/26/01	02/15/01	20	09	1	LT	454	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 09 :			*485*
13DNB	01/26/01	02/15/01	20	11	1	LT	476	
					2	LT	476	
					3	LT	476	
					Average Concentration for Cross Section 11 :			*476*

Average Concentration for Windrow on Day 20 : 474

Standard Deviation: 20

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	01/26/01	03/14/01	47	03	1	LT	476	
					2	LT	476	
					3	LT	476	
					Average Concentration for Cross Section 03 :			*476*
13DNB	01/26/01	03/14/01	47	05	1	LT	500	
					2	LT	476	
					3	LT	476	
					Average Concentration for Cross Section 05 :			*484*
13DNB	01/26/01	03/14/01	47	07	1	LT	476	
					2	LT	476	
					3	LT	476	
					Average Concentration for Cross Section 07 :			*476*
13DNB	01/26/01	03/14/01	47	09	1	LT	476	
					2	LT	476	
					3	LT	476	
					Average Concentration for Cross Section 09 :			*476*
13DNB	01/26/01	03/14/01	47	11	1	LT	500	
					2	LT	500	
					3	LT	476	
					Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 47 : 481

Standard Deviation: 10

Percent Reduction of 13DNB: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S201 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
246TNT	01/26/01	02/15/01	20	03	1	LT	435
					2	LT	476
					3	LT	454
					Average Concentration for Cross Section 03 :		*455*
246TNT	01/26/01	02/15/01	20	05	1	LT	476
					2	LT	454
					3	LT	500
					Average Concentration for Cross Section 05 :		*477*
246TNT	01/26/01	02/15/01	20	07	1	LT	454
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 07 :		*477*
246TNT	01/26/01	02/15/01	20	09	1	LT	454
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 09 :		*485*
246TNT	01/26/01	02/15/01	20	11	1	LT	476
					2		344 J
					3	LT	476
					Average Concentration for Cross Section 11 :		*432*

Average Concentration for Windrow on Day 20 : 465

Standard Deviation: 39

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
246TNT	01/26/01	03/14/01	47	03	1		164 J
					2	LT	476
					3		175 J
					Average Concentration for Cross Section 03 :		*272*
246TNT	01/26/01	03/14/01	47	05	1	LT	500
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 05 :		*484*
246TNT	01/26/01	03/14/01	47	07	1	LT	476
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 07 :		*476*
246TNT	01/26/01	03/14/01	47	09	1	LT	476
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 09 :		*476*
246TNT	01/26/01	03/14/01	47	11	1	LT	500
					2	LT	500
					3	LT	476
					Average Concentration for Cross Section 11 :		*492*

Average Concentration for Windrow on Day 47 : 440

Standard Deviation: 110

Percent Reduction of 246TNT: 5.39%

Windrow Number: S201 **2,4-DINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	01/26/01	02/15/01	20	03	1	LT	435
					2	LT	476
					3	LT	454
					Average Concentration for Cross Section 03 :		*455*
24DNT	01/26/01	02/15/01	20	05	1	LT	476
					2	LT	454
					3	LT	500
					Average Concentration for Cross Section 05 :		*477*
24DNT	01/26/01	02/15/01	20	07	1	LT	454
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 07 :		*477*
24DNT	01/26/01	02/15/01	20	09	1	LT	454
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 09 :		*485*
24DNT	01/26/01	02/15/01	20	11	1	LT	476
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 11 :		*476*

Average Concentration for Windrow on Day 20 : ***474***

Standard Deviation: ***20***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
24DNT	01/26/01	03/14/01	47	03	1	LT	476
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 03 :		*476*
24DNT	01/26/01	03/14/01	47	05	1	LT	500
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 05 :		*484*
24DNT	01/26/01	03/14/01	47	07	1	LT	476
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 07 :		*476*
24DNT	01/26/01	03/14/01	47	09	1	LT	476
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 09 :		*476*
24DNT	01/26/01	03/14/01	47	11	1	LT	500
					2	LT	500
					3	LT	476
					Average Concentration for Cross Section 11 :		*492*

Average Concentration for Windrow on Day 47 : ***481***

Standard Deviation: ***10***

Percent Reduction of 24DNT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S201 ***2,6-DINITROTOLUENE Results***

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
26DNT	01/26/01	02/15/01	20	03	1	LT	435
					2	LT	476
					3	LT	454
					Average Concentration for Cross Section 03 :		*455*
26DNT	01/26/01	02/15/01	20	05	1	LT	476
					2	LT	454
					3	LT	500
					Average Concentration for Cross Section 05 :		*477*
26DNT	01/26/01	02/15/01	20	07	1	LT	454
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 07 :		*477*
26DNT	01/26/01	02/15/01	20	09	1	LT	454
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 09 :		*485*
26DNT	01/26/01	02/15/01	20	11	1	LT	476
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 11 :		*476*

Average Concentration for Windrow on Day 20 : ***474***

Standard Deviation: ***20***

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
26DNT	01/26/01	03/14/01	47	03	1	LT	476
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 03 :		*476*
26DNT	01/26/01	03/14/01	47	05	1	LT	500
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 05 :		*484*
26DNT	01/26/01	03/14/01	47	07	1	LT	476
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 07 :		*476*
26DNT	01/26/01	03/14/01	47	09	1	LT	476
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 09 :		*476*
26DNT	01/26/01	03/14/01	47	11	1	LT	500
					2	LT	500
					3	LT	476
					Average Concentration for Cross Section 11 :		*492*

Average Concentration for Windrow on Day 47 : ***481***

Standard Deviation: ***10***

Percent Reduction of 26DNT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S201 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	01/26/01	02/15/01	20	03	1	LT	435
					2	LT	476
					3	LT	454
				Average Concentration for Cross Section 03 :			*455*
2A46DT	01/26/01	02/15/01	20	05	1	LT	476
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 05 :			*477*
2A46DT	01/26/01	02/15/01	20	07	1	LT	454
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 07 :			*477*
2A46DT	01/26/01	02/15/01	20	09	1	LT	454
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*485*
2A46DT	01/26/01	02/15/01	20	11	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 11 :			*476*

Average Concentration for Windrow on Day 20 : ***474***

Standard Deviation: ***20***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	01/26/01	03/14/01	47	03	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 03 :			*476*
2A46DT	01/26/01	03/14/01	47	05	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 05 :			*484*
2A46DT	01/26/01	03/14/01	47	07	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 07 :			*476*
2A46DT	01/26/01	03/14/01	47	09	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 09 :			*476*
2A46DT	01/26/01	03/14/01	47	11	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 47 : ***481***

Standard Deviation: ***10***

Percent Reduction of 2A46DT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S201 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	01/26/01	02/15/01	20	03	1	LT	435
					2	LT	476
					3	LT	454
				Average Concentration for Cross Section 03 :			*455*
2NT	01/26/01	02/15/01	20	05	1	LT	476
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 05 :			*477*
2NT	01/26/01	02/15/01	20	07	1	LT	454
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 07 :			*477*
2NT	01/26/01	02/15/01	20	09	1	LT	454
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*485*
2NT	01/26/01	02/15/01	20	11	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 11 :			*476*

Average Concentration for Windrow on Day 20 : ***474***

Standard Deviation: ***20***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	01/26/01	03/14/01	47	03	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 03 :			*476*
2NT	01/26/01	03/14/01	47	05	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 05 :			*484*
2NT	01/26/01	03/14/01	47	07	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 07 :			*476*
2NT	01/26/01	03/14/01	47	09	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 09 :			*476*
2NT	01/26/01	03/14/01	47	11	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 47 : ***481***

Standard Deviation: ***10***

Percent Reduction of 2NT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S201 *3-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	01/26/01	02/15/01	20	03	1	LT	435
					2	LT	476
					3	LT	454
				Average Concentration for Cross Section 03 :			*455*
3NT	01/26/01	02/15/01	20	05	1	LT	476
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 05 :			*477*
3NT	01/26/01	02/15/01	20	07	1	LT	454
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 07 :			*477*
3NT	01/26/01	02/15/01	20	09	1	LT	454
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*485*
3NT	01/26/01	02/15/01	20	11	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 11 :			*476*

Average Concentration for Windrow on Day 20 : ***474***

Standard Deviation: ***20***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
3NT	01/26/01	03/14/01	47	03	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 03 :			*476*
3NT	01/26/01	03/14/01	47	05	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 05 :			*484*
3NT	01/26/01	03/14/01	47	07	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 07 :			*476*
3NT	01/26/01	03/14/01	47	09	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 09 :			*476*
3NT	01/26/01	03/14/01	47	11	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 47 : ***481***

Standard Deviation: ***10***

Percent Reduction of 3NT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S201 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	01/26/01	02/15/01	20	03	1	LT	435
					2	LT	476
					3	LT	454
					Average Concentration for Cross Section 03 :		*455*
4A26DT	01/26/01	02/15/01	20	05	1	LT	476
					2	LT	454
					3	LT	500
					Average Concentration for Cross Section 05 :		*477*
4A26DT	01/26/01	02/15/01	20	07	1	LT	454
					2	LT	476
					3	LT	500
					Average Concentration for Cross Section 07 :		*477*
4A26DT	01/26/01	02/15/01	20	09	1	LT	454
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 09 :		*485*
4A26DT	01/26/01	02/15/01	20	11	1	LT	476
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 11 :		*476*

Average Concentration for Windrow on Day 20 : 474

Standard Deviation: 20

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	01/26/01	03/14/01	47	03	1	LT	476
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 03 :		*476*
4A26DT	01/26/01	03/14/01	47	05	1	LT	500
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 05 :		*484*
4A26DT	01/26/01	03/14/01	47	07	1	LT	476
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 07 :		*476*
4A26DT	01/26/01	03/14/01	47	09	1	LT	476
					2	LT	476
					3	LT	476
					Average Concentration for Cross Section 09 :		*476*
4A26DT	01/26/01	03/14/01	47	11	1	LT	500
					2	LT	500
					3	LT	476
					Average Concentration for Cross Section 11 :		*492*

Average Concentration for Windrow on Day 47 : 481

Standard Deviation: 10

Percent Reduction of 4A26DT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S201 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	01/26/01	02/15/01	20	03	1	LT	435
					2	LT	476
					3	LT	454
				Average Concentration for Cross Section 03 :			*455*
4NT	01/26/01	02/15/01	20	05	1	LT	476
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 05 :			*477*
4NT	01/26/01	02/15/01	20	07	1	LT	454
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 07 :			*477*
4NT	01/26/01	02/15/01	20	09	1	LT	454
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*485*
4NT	01/26/01	02/15/01	20	11	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 11 :			*476*

Average Concentration for Windrow on Day 20 : 474

Standard Deviation: 20

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	01/26/01	03/14/01	47	03	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 03 :			*476*
4NT	01/26/01	03/14/01	47	05	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 05 :			*484*
4NT	01/26/01	03/14/01	47	07	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 07 :			*476*
4NT	01/26/01	03/14/01	47	09	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 09 :			*476*
4NT	01/26/01	03/14/01	47	11	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 47 : 481

Standard Deviation: 10

Percent Reduction of 4NT: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S201 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
HMX	01/26/01	02/15/01	20	03	1	LT 435	
					2	2190	
					3	707	
					Average Concentration for Cross Section 03 :		*1111*
HMX	01/26/01	02/15/01	20	05	1	LT 476	
					2	1460	
					3	177 J	
					Average Concentration for Cross Section 05 :		*704*
HMX	01/26/01	02/15/01	20	07	1	LT 454	
					2	4100	
					3	2650	
					Average Concentration for Cross Section 07 :		*2401*
HMX	01/26/01	02/15/01	20	09	1	LT 454	
					2	4940	
					3	2100	
					Average Concentration for Cross Section 09 :		*2498*
HMX	01/26/01	02/15/01	20	11	1	LT 476	
					2	3490	
					3	4390	
					Average Concentration for Cross Section 11 :		*2785*

Average Concentration for Windrow on Day 20 : 1900

Standard Deviation: 1658

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
HMX	01/26/01	03/14/01	47	03	1	198 J	
					2	2130	
					3	1730	
					Average Concentration for Cross Section 03 :		*1353*
HMX	01/26/01	03/14/01	47	05	1	LT 500	
					2	638	
					3	308 J	
					Average Concentration for Cross Section 05 :		*482*
HMX	01/26/01	03/14/01	47	07	1	LT 476	
					2	2320	
					3	1020	
					Average Concentration for Cross Section 07 :		*1272*
HMX	01/26/01	03/14/01	47	09	1	1580	
					2	5710	
					3	3330	
					Average Concentration for Cross Section 09 :		*3540*
HMX	01/26/01	03/14/01	47	11	1	2510	
					2	603	
					3	2820	
					Average Concentration for Cross Section 11 :		*1978*

Average Concentration for Windrow on Day 47 : 1725

Standard Deviation: 1492

Percent Reduction of HMX: 9.21%

Windrow Number: S201 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	01/26/01	02/15/01	20	03	1	LT	435
					2	LT	476
					3	LT	454
				Average Concentration for Cross Section 03 :			*455*
NB	01/26/01	02/15/01	20	05	1	LT	476
					2	LT	454
					3	LT	500
				Average Concentration for Cross Section 05 :			*477*
NB	01/26/01	02/15/01	20	07	1	LT	454
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 07 :			*477*
NB	01/26/01	02/15/01	20	09	1	LT	454
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*485*
NB	01/26/01	02/15/01	20	11	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 11 :			*476*

Average Concentration for Windrow on Day 20 : ***474***

Standard Deviation: ***20***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	01/26/01	03/14/01	47	03	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 03 :			*476*
NB	01/26/01	03/14/01	47	05	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 05 :			*484*
NB	01/26/01	03/14/01	47	07	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 07 :			*476*
NB	01/26/01	03/14/01	47	09	1	LT	476
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 09 :			*476*
NB	01/26/01	03/14/01	47	11	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 47 : ***481***

Standard Deviation: ***10***

Percent Reduction of NB: Not Applicable; Sample Results Below Reporting Limit

Windrow Number: S201 ***RDX Results***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
RDX	01/26/01	02/15/01	20	03	1	LT	435	
					2	LT	476	
					3		910	
					Average Concentration for Cross Section 03 :			*607*
RDX	01/26/01	02/15/01	20	05	1	LT	476	
					2		6490	
					3		416 J	
					Average Concentration for Cross Section 05 :			*2461*
RDX	01/26/01	02/15/01	20	07	1	LT	454	
					2		19600	
					3		4480	
					Average Concentration for Cross Section 07 :			*8178*
RDX	01/26/01	02/15/01	20	09	1	LT	454	
					2		18600	
					3		3150	
					Average Concentration for Cross Section 09 :			*7401*
RDX	01/26/01	02/15/01	20	11	1	LT	476	
					2		10400	
					3		12800	
					Average Concentration for Cross Section 11 :			*7892*

Average Concentration for Windrow on Day 20 : 5308

Standard Deviation: 6834

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
RDX	01/26/01	03/14/01	47	03	1		1130	
					2		2350	
					3		1580	
					Average Concentration for Cross Section 03 :			*1687*
RDX	01/26/01	03/14/01	47	05	1	LT	500	
					2		398 J	
					3		380 J	
					Average Concentration for Cross Section 05 :			*426*
RDX	01/26/01	03/14/01	47	07	1	LT	476	
					2		5740	
					3		599	
					Average Concentration for Cross Section 07 :			*2272*
RDX	01/26/01	03/14/01	47	09	1		5280	
					2		11200	
					3		11400	
					Average Concentration for Cross Section 09 :			*9293*
RDX	01/26/01	03/14/01	47	11	1		7690	
					2		1780	
					3		4880	
					Average Concentration for Cross Section 11 :			*4783*

Average Concentration for Windrow on Day 47 : 3692

Standard Deviation: 3857

Percent Reduction of RDX: 30.44%

Windrow Number: S201 ***TETRYL Results***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
TETRYL	01/26/01	02/15/01	20	03	1	LT	435	
					2	LT	476	
					3	LT	454	
				Average Concentration for Cross Section 03 :				*455*
TETRYL	01/26/01	02/15/01	20	05	1	LT	476	
					2	LT	454	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*477*
TETRYL	01/26/01	02/15/01	20	07	1	LT	454	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*477*
TETRYL	01/26/01	02/15/01	20	09	1	LT	454	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*485*
TETRYL	01/26/01	02/15/01	20	11	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*476*
				Average Concentration for Windrow on Day 20 :				***474***
						Standard Deviation:		***20***

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
TETRYL	01/26/01	03/14/01	47	03	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*476*
TETRYL	01/26/01	03/14/01	47	05	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*484*
TETRYL	01/26/01	03/14/01	47	07	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*476*
TETRYL	01/26/01	03/14/01	47	09	1	LT	476	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*476*
TETRYL	01/26/01	03/14/01	47	11	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*492*
				Average Concentration for Windrow on Day 47 :				***481***
						Standard Deviation:		***10***

Percent Reduction of TETRYL: Not Applicable; Sample Results Below Reporting Limit

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-209 Day 0: 8/28/01

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5790	12.2	2580	5.275	11605	20.575	19975
2	3.2	5810	12.1	2600	5.275	11605	20.575	20015
3	3.5	5840	12	2440	5.275	11605	20.775	19885
4	3.1	5800	12.1	2510	5.275	11605	20.475	19915
5	3.15	5910	12	2460	5.275	11605	20.425	19975
6	3	5700	12	2390	5.275	11605	20.275	19695
7	3	5890	12.1	2600	5.275	11605	20.375	20095
8	3.1	5780	12	2480	5.275	11605	20.375	19865
9	3.1	5800	12	2400	5.275	11605	20.375	19805
10	3.15	5840	12	2370	5.275	11605	20.425	19815
11	3.1	5790	12	2440	5.275	11605	20.375	19835
12	3.15	5880	12	2340	5.275	11605	20.425	19825
13	3.15	5760	12.2	2710	5.275	11605	20.625	20075
14	3.1	5740	12	2390	5.275	11605	20.375	19735
15	3.15	5840	12	2440	5.275	11605	20.425	19885
16	3.15	5910	12.2	2810	5.275	11605	20.625	20325
17	3.1	5740	12	2410	5.275	11605	20.375	19755
18	3.15	5790	12	2430	5.275	11605	20.425	19825
19	3.1	5820	12	2370	5.275	11605	20.375	19795
20	3.2	5810	12.15	2560	5.275	11605	20.625	19975
21	3.2	5840	12.15	2610	5.275	11605	20.625	20055
22	3.1	5720	12	2400	5.275	11605	20.375	19725
23	3.1	5790	12	2440	5.275	11605	20.375	19835
24	3	5700	12	2400	5.275	11605	20.275	19705
25	3.1	5750	11.8	2350	5.275	11605	20.175	19705
26	3	5700	12.1	2450	5.275	11605	20.375	19755
27	3	5700	12	2400	5.275	11605	20.275	19705
28	3.2	5780	12.1	2450	5.275	11605	20.575	19835
29	3.2	5780	12	2400	5.275	11605	20.475	19785
30	3.15	5760	12.2	2480	5.275	11605	20.625	19845
31	3.1	5750	12.15	2460	5.275	11605	20.525	19815
32	3.2	5780	12	2400	5.275	11605	20.475	19785
33	3	5700	12.1	2425	5.275	11605	20.375	19730
34	3.1	5750	12	2400	5.275	11605	20.375	19755
35	3.2	5780	12.1	2450	5.275	11605	20.575	19835
36	3	5700	12	2400	5.275	11605	20.275	19705
37					5.275	11605	5.275	11605
38					5.275	11605	5.275	11605
39					5.275	11605	5.275	11605
40					5.275	11605	5.275	11605
41								
42								
43								
Total	112.4	208220	433.75	88645	211.00	464200	757.15	761065

RECORD OF RECIPE (MIX NO. 7B)

Building # 2 Windrow # 209 PERFORMED BY: Hauser

DATE: 8 128 01 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.1	5790	12.2	2580				
2	3.2	5810	12.1	2600				
3	3.5	5840	12.	2440				
4	3.14	5800	12.1	2510				
5	3.15	5910	12	2460				
6	3	5700	12	2390				
7	3	5890	12.1	2600				
8	3.1	5780	12	2480				
9	3.14	5800	12	2400				
10	3.15	5840	12	2370				
11	3.1	5790	12	2440				
12	3.15	5880	12	2340				
13	3.15	5760	12.2	2710				
14	3.1	5740	12	2390				
15	3.15	5840	12	2440				
16	3.15	5910	12.2	2810				
17	3.1	5740	12	2410				
18	3.15	5790	12	2430				
19	3.1	5820	12	2370				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
9	8/28/01	8/28/01	0		46.60
		8/29/01	1	56.17	51.97
		8/30/01	2	64.47	63.90
		8/31/01	3	66.10	61.07
		9/2/01	5	69.63	65.37
		9/4/01	7	65.83	64.70
		9/6/01	9	66.97	62.53
		9/7/01	10	68.17	62.47
		9/8/01	11	65.73	62.63
		9/10/01	13	65.23	62.40
		9/11/01	14	66.97	
		9/13/01	16	62.67	60.87
		9/14/01	17	57.77	53.40
		9/15/01	18	66.27	59.00
		9/17/01	20	68.80	65.93

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M209	8/28/01	8/28/01	0		3.43
		8/29/01	1	8.97	7.70
		8/30/01	2	3.83	8.13
		8/31/01	3	4.77	6.63
		9/2/01	5	9.43	10.77
		9/4/01	7	13.10	9.30
		9/6/01	9	8.03	3.87
		9/7/01	10	5.37	6.07
		9/8/01	11	7.90	8.60
		9/10/01	13	12.33	10.13
		9/11/01	14	9.20	
		9/13/01	16	10.30	9.61
		9/14/01	17	13.27	14.53
		9/15/01	18	8.57	9.90
		9/17/01	20	8.43	6.67

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M209	8/28/01	8/30/01	2		43.78
		9/7/01	10		43.94
		9/10/01	13		
		9/13/01	16		
		9/14/01	17		
		9/15/01	18		

All average MWHC values are expressed in percent

Friday, June 28, 2002

Windrow Number: M209 *1,3,5-TRINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
135TNB	08/28/01	09/18/01	21	03	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*500*
135TNB	08/28/01	09/18/01	21	05	1	LT 476	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 05 :			*484*
135TNB	08/28/01	09/18/01	21	07	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*500*
135TNB	08/28/01	09/18/01	21	09	1	LT 476	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*484*
135TNB	08/28/01	09/18/01	21	11	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 21 : ***490***

Standard Deviation: ***12***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M209 *1,3-DINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
13DNB	08/28/01	09/18/01	21	03	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*500*
13DNB	08/28/01	09/18/01	21	05	1	LT	476
					2		31.1 J
					3	LT	476
				Average Concentration for Cross Section 05 :			*328*
13DNB	08/28/01	09/18/01	21	07	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*500*
13DNB	08/28/01	09/18/01	21	09	1	LT	476
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 09 :			*484*
13DNB	08/28/01	09/18/01	21	11	1	LT	500
					2	LT	476
					3		88.2 J
				Average Concentration for Cross Section 11 :			*355*

Average Concentration for Windrow on Day 21 : ***433***

Standard Deviation: ***152***

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M209 *2,4,6-TRINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*		*Concentration*	UGKG
246TNT	08/28/01	09/18/01	21	03	1		3720	
					2	LT	500	
					3		64.7 J	
				Average Concentration for Cross Section 03 :				*1428*
246TNT	08/28/01	09/18/01	21	05	1		37.2 J	
					2		151 J	
					3		50.9 J	
				Average Concentration for Cross Section 05 :				*80*
246TNT	08/28/01	09/18/01	21	07	1		47.1 J	
					2		5820	
					3		120 J	
				Average Concentration for Cross Section 07 :				*1996*
246TNT	08/28/01	09/18/01	21	09	1		52.9 J	
					2		132 J	
					3		64.4 J	
				Average Concentration for Cross Section 09 :				*83*
246TNT	08/28/01	09/18/01	21	11	1	LT	500	
					2	LT	476	
					3		216 J	
				Average Concentration for Cross Section 11 :				*397*

Average Concentration for Windrow on Day 21 : ***797***

Standard Deviation: ***1670***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M209 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
24DNT	08/28/01	09/18/01	21	03	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*500*
24DNT	08/28/01	09/18/01	21	05	1	LT 476	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 05 :			*484*
24DNT	08/28/01	09/18/01	21	07	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*500*
24DNT	08/28/01	09/18/01	21	09	1	LT 476	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*484*
24DNT	08/28/01	09/18/01	21	11	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 21 : ***490***

Standard Deviation: *12*

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M209 **2,6-DINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	08/28/01	09/18/01	21	03	1	LT 500	
					2	LT 500	
					3	LT 500	
					Average Concentration for Cross Section 03 :		*500*
26DNT	08/28/01	09/18/01	21	05	1	LT 476	
					2	LT 500	
					3	LT 476	
					Average Concentration for Cross Section 05 :		*484*
26DNT	08/28/01	09/18/01	21	07	1	LT 500	
					2	LT 500	
					3	LT 500	
					Average Concentration for Cross Section 07 :		*500*
26DNT	08/28/01	09/18/01	21	09	1	LT 476	
					2	LT 500	
					3	LT 476	
					Average Concentration for Cross Section 09 :		*484*
26DNT	08/28/01	09/18/01	21	11	1	LT 500	
					2	LT 476	
					3	LT 476	
					Average Concentration for Cross Section 11 :		*484*

Average Concentration for Windrow on Day 21 : 490

Standard Deviation: 12

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M209 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
2A46DT	08/28/01	09/18/01	21	03	1		185 J	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*395*
2A46DT	08/28/01	09/18/01	21	05	1	LT	476	
					2		135 J	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*362*
2A46DT	08/28/01	09/18/01	21	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
2A46DT	08/28/01	09/18/01	21	09	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*484*
2A46DT	08/28/01	09/18/01	21	11	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 21 : 445

Standard Deviation: 117

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M209 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2NT	08/28/01	09/18/01	21	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
2NT	08/28/01	09/18/01	21	05	1	LT	476	
					2		121 J	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*358*
2NT	08/28/01	09/18/01	21	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
2NT	08/28/01	09/18/01	21	09	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*484*
2NT	08/28/01	09/18/01	21	11	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 21 : 465

Standard Deviation: 96

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: M209 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
3NT	08/28/01	09/18/01	21	03	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*500*
3NT	08/28/01	09/18/01	21	05	1	LT	476
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 05 :			*484*
3NT	08/28/01	09/18/01	21	07	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*500*
3NT	08/28/01	09/18/01	21	09	1	LT	476
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 09 :			*484*
3NT	08/28/01	09/18/01	21	11	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 21 : 490

Standard Deviation: 12

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: M209 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	08/28/01	09/18/01	21	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
4A26DT	08/28/01	09/18/01	21	05	1	LT	476	
					2		41.4 J	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*331*
4A26DT	08/28/01	09/18/01	21	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
4A26DT	08/28/01	09/18/01	21	09	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*484*
4A26DT	08/28/01	09/18/01	21	11	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 21 : 460

Standard Deviation: 116

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M209 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4NT	08/28/01	09/18/01	21	03	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*500*
4NT	08/28/01	09/18/01	21	05	1	LT	476
					2		84.9 J
					3	LT	476
				Average Concentration for Cross Section 05 :			*346*
4NT	08/28/01	09/18/01	21	07	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*500*
4NT	08/28/01	09/18/01	21	09	1	LT	476
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 09 :			*484*
4NT	08/28/01	09/18/01	21	11	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 21 : ***463***

Standard Deviation: ***105***

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M209 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
RDX	08/28/01	09/18/01	21	03	1	11800	
					2	349 J	
					3	107 J	
				Average Concentration for Cross Section 03 :			*4085*
RDX	08/28/01	09/18/01	21	05	1	LT 476	
					2	222 J	
					3	372 J	
				Average Concentration for Cross Section 05 :			*357*
RDX	08/28/01	09/18/01	21	07	1	188 J	
					2	35300	
					3	1200	
				Average Concentration for Cross Section 07 :			*12229*
RDX	08/28/01	09/18/01	21	09	1	730	
					2	623	
					3	1910	
				Average Concentration for Cross Section 09 :			*1088*
RDX	08/28/01	09/18/01	21	11	1	167 J	
					2	433 J	
					3	1040	
				Average Concentration for Cross Section 11 :			*547*

Average Concentration for Windrow on Day 21 : 3661

Standard Deviation: 9228

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M209 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
TETRYL	08/28/01	09/18/01	21	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
TETRYL	08/28/01	09/18/01	21	05	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*484*
TETRYL	08/28/01	09/18/01	21	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
TETRYL	08/28/01	09/18/01	21	09	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*484*
TETRYL	08/28/01	09/18/01	21	11	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 21 : ***490***

Standard Deviation: ***12***

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-210 Day 0: 8/30/01

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5790	12	2450	5.275	11605	20.375	19845
2	3	5700	12	2560	5.275	11605	20.275	19865
3	3.1	5810	12.1	2610	5.275	11605	20.475	20025
4	3.1	5790	12	2420	5.275	11605	20.375	19815
5	3.2	5800	12	2470	5.275	11605	20.475	19875
6	3.1	5780	12.4	2720	5.275	11605	20.775	20105
7	3.1	5800	12.1	2840	5.275	11605	20.475	20245
8	3	5710	12	2420	5.275	11605	20.275	19735
9	3	5740	12	2400	5.275	11605	20.275	19745
10	3	5710	12.2	2730	5.275	11605	20.475	20045
11	3	5690	12	2400	5.275	11605	20.275	19695
12	3	5700	12.1	2520	5.275	11605	20.375	19825
13	3	5720	12	2400	5.275	11605	20.275	19725
14	3.1	5810	12	2430	5.275	11605	20.375	19845
15	3.1	5790	12	2350	5.275	11605	20.375	19745
16	3.2	5860	12	2490	5.275	11605	20.475	19955
17	3.1	5790	12.15	2560	5.275	11605	20.525	19955
18	3	5740	12	2410	5.275	11605	20.275	19755
19	3.1	5840	12	2440	5.275	11605	20.375	19885
20	3.1	5810	12.2	2800	5.275	11605	20.575	20215
21	3.2	5860	12.1	2640	5.275	11605	20.575	20105
22	3	5760	12.2	2590	5.275	11605	20.475	19955
23	3.2	5890	12	2420	5.275	11605	20.475	19915
24	3.15	5770	12.1	2550	5.275	11605	20.525	19925
25	2.9	5690	12	2500	5.275	11605	20.175	19795
26	3.15	5785	12	2500	5.275	11605	20.425	19890
27	3.15	5800	12	2500	5.275	11605	20.425	19905
28	3.1	5750	12	2450	5.275	11605	20.375	19805
29	3.1	5700	12	2470	5.275	11605	20.375	19775
30	3.15	5780	12.1	2550	5.275	11605	20.525	19935
31	3	5700	12	2400	5.275	11605	20.275	19705
32	3.1	5750	12	2500	5.275	11605	20.375	19855
33	3	5750	12.1	2550	5.275	11605	20.375	19905
34	3.15	5770	12	2400	5.275	11605	20.425	19775
35	3	5700	12	2450	5.275	11605	20.275	19755
36	3	5700	12	2425	5.275	11605	20.275	19730
37	3.15	5760	12	2480	5.275	11605	20.425	19845
38	3.1	5750	12.1	2550	5.275	11605	20.475	19905
39	3.15	5780	12	2560	5.275	11605	20.425	19945
40					5.275	11605	5.275	11605
41								
42								
43								
Total	120.15	224825	469.95	97905	211.00	464200	801.1	786930

RECORD OF RECIPE (MIX NO. 7B)

Building # 2 Windrow # 210 PERFORMED BY: _____

DATE: 8 129101 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.1	5790	12	2450				
2	3.	5700	12.1	2560				
3	3.1	5810	12.1	2610				
4	3.1	5790	12	2470				
5	3.2	5800	12	2470				
6	3.1	5780	12.4	2720				
7	3.1	5800	12.2	2840				
8	3	5710	12	2420				
9	3	5740	12	2400				
10	3	5710	12.20	2730				
11	3	5690	12	2400				
12	3	5700	12.1	2520				
13	3	5720	12	2400				
14	3.1	5810	12.	2430				
15	3.1	5790	12	2350				
16	3.2	5860	12	2490				
17	3.1	5790	12.15	2560				
18	3	5740	12	2410				
19	3.12	5840	12	2440				
Total								

Comments:

20	3.1	5810	12.2	2800
21	3.2	5860	12.1	2640
22	3	5760	12.1	2590
23	3.1	[illegible]	12	2420

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 210 PERFORMED BY: _____

DATE: 8 128 10/ INSPECTED BY: _____

Design Quantity: Chicken Manure_____CY _____Pounds
Straw_____CY_____Pounds
Soil_____CY_____Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.15	5770	12.1	2550				
2	2.9	5690	12	2500				
3	3.15	5785	12	2500				
4	3.15	5800	12	2500				
5	3.1	5750	12	2450				
6	3	5700	12	2470				
7	3.15	5780	12.1	2550				
8	3	5700	12	2410				
9	3.1	5750	12	2500				
10	3	5770	12.1	2550				
11	3.15	5725	12	2400				
12	3.0	5700	12	2450				
13	3	5700	12	2425				
14	3.15	5760	12	2480				
15	3.1	5750	12.1	2550				
16	3.15	5780	12	2560				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
M210	8/30/01	8/30/01	0		50.93
		8/31/01	1	58.63	56.97
		9/2/01	3	68.37	63.17
		9/4/01	5	68.77	65.03
		9/6/01	7	66.53	63.47
		9/7/01	8	68.00	63.93
		9/8/01	9	67.77	65.13
		9/10/01	11	67.87	62.90
		9/11/01	12	65.67	
		9/13/01	14	64.97	60.90
		9/14/01	15	58.87	47.63
		9/15/01	16	67.57	59.53
		9/17/01	18	68.53	64.07
		9/18/01	19	67.77	63.87

All average temperatures are in degrees centigrade

Friday, June 28, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M210	8/30/01	8/30/01	0		5.50
		8/31/01	1	3.77	5.93
		9/2/01	3	8.77	11.50
		9/4/01	5	10.70	9.47
		9/6/01	7	7.47	4.80
		9/7/01	8	5.80	4.17
		9/8/01	9	6.30	6.77
		9/10/01	11	8.70	8.03
		9/11/01	12	7.50	
		9/13/01	14	9.40	10.37
		9/14/01	15	10.90	14.03
		9/15/01	16	6.97	8.60
		9/17/01	18	8.20	6.67
		9/18/01	19	6.23	5.53

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M210	8/30/01	8/30/01	0		42.56
		9/4/01	5		44.18
		9/7/01	8		40.28
		9/10/01	11		
		9/13/01	14		
		9/14/01	15		
		9/15/01	16		

All average MWHC values are expressed in percent

Friday, June 28, 2002

Average Daily Windrow PH Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn*	*PRE-Turn*
M210	8/30/01	9/7/01	8	8.80	

All average PH values are expressed in standard units

Friday, June 28, 2002

Windrow Number: M210 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	08/30/01	09/19/01	20	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
135TNB	08/30/01	09/19/01	20	05	1	LT	500	
					2		51.3 J	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*350*
135TNB	08/30/01	09/19/01	20	07	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*492*
135TNB	08/30/01	09/19/01	20	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
135TNB	08/30/01	09/19/01	20	11	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 20 : ***467***

Standard Deviation: ***115***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M210 *1,3-DINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
13DNB	08/30/01	09/19/01	20	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
13DNB	08/30/01	09/19/01	20	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
13DNB	08/30/01	09/19/01	20	07	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*492*
13DNB	08/30/01	09/19/01	20	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
13DNB	08/30/01	09/19/01	20	11	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 20 : ***497***

Standard Deviation: ***8***

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M210 *2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
26DNT	08/30/01	09/19/01	20	03	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*500*
26DNT	08/30/01	09/19/01	20	05	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*500*
26DNT	08/30/01	09/19/01	20	07	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*492*
26DNT	08/30/01	09/19/01	20	09	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*500*
26DNT	08/30/01	09/19/01	20	11	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 20 : ***497***

Standard Deviation: ***8***

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M210 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	08/30/01	09/19/01	20	03	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*500*
2A46DT	08/30/01	09/19/01	20	05	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*500*
2A46DT	08/30/01	09/19/01	20	07	1	LT	500
					2	LT	500
					3		64.1 J
				Average Concentration for Cross Section 07 :			*355*
2A46DT	08/30/01	09/19/01	20	09	1	LT	500
					2	LT	500
					3		56.6 J
				Average Concentration for Cross Section 09 :			*352*
2A46DT	08/30/01	09/19/01	20	11	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 20 : 440

Standard Deviation: 154

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M210 **2-NITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2NT	08/30/01	09/19/01	20	03	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*500*
2NT	08/30/01	09/19/01	20	05	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*500*
2NT	08/30/01	09/19/01	20	07	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*492*
2NT	08/30/01	09/19/01	20	09	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*500*
2NT	08/30/01	09/19/01	20	11	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 20 : ***497***

Standard Deviation: ***8***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: M210 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
3NT	08/30/01	09/19/01	20	03	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*500*
3NT	08/30/01	09/19/01	20	05	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*500*
3NT	08/30/01	09/19/01	20	07	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 07 :			*492*
3NT	08/30/01	09/19/01	20	09	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*500*
3NT	08/30/01	09/19/01	20	11	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 20 : ***497***

Standard Deviation: ***8***

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: M210 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	08/30/01	09/19/01	20	03	1	LT	500
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 03 :		*500*
4A26DT	08/30/01	09/19/01	20	05	1	LT	500
					2	LT	500
					3	LT	500
					Average Concentration for Cross Section 05 :		*500*
4A26DT	08/30/01	09/19/01	20	07	1	LT	500
					2	LT	500
					3		102 J
					Average Concentration for Cross Section 07 :		*367*
4A26DT	08/30/01	09/19/01	20	09	1	LT	500
					2	LT	500
					3		82.3 J
					Average Concentration for Cross Section 09 :		*361*
4A26DT	08/30/01	09/19/01	20	11	1	LT	500
					2	LT	500
					3	LT	476
					Average Concentration for Cross Section 11 :		*492*

Average Concentration for Windrow on Day 20 : ***444***

Standard Deviation: ***143***

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M210 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	08/30/01	09/19/01	20	03	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*500*
4NT	08/30/01	09/19/01	20	05	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*500*
4NT	08/30/01	09/19/01	20	07	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 07 :			*492*
4NT	08/30/01	09/19/01	20	09	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*500*
4NT	08/30/01	09/19/01	20	11	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 20 : ***497***

Standard Deviation: ***8***

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M210 ***HMX Results***

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
HMX	08/30/01	09/19/01	20	03	1	LT 500	
					2	778	
					3	5280	
				Average Concentration for Cross Section 03 :			*2186*
HMX	08/30/01	09/19/01	20	05	1	188 J	
					2	4210	
					3	2010	
				Average Concentration for Cross Section 05 :			*2136*
HMX	08/30/01	09/19/01	20	07	1	279 J	
					2	2940	
					3	2130	
				Average Concentration for Cross Section 07 :			*1783*
HMX	08/30/01	09/19/01	20	09	1	LT 500	
					2	214 J	
					3	2430	
				Average Concentration for Cross Section 09 :			*1048*
HMX	08/30/01	09/19/01	20	11	1	183 J	
					2	80.8 J	
					3	494	
				Average Concentration for Cross Section 11 :			*253*

Average Concentration for Windrow on Day 20 : ***1481***

Standard Deviation: ***1634***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M210 *NITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
NB	08/30/01	09/19/01	20	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
NB	08/30/01	09/19/01	20	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
NB	08/30/01	09/19/01	20	07	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*492*
NB	08/30/01	09/19/01	20	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
NB	08/30/01	09/19/01	20	11	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 20 : ***497***

Standard Deviation: ***8***

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M210 **RDX Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
RDX	08/30/01	09/19/01	20	03	1	LT 500	
					2	322 J	
					3	1370	
				Average Concentration for Cross Section 03 :			*731*
RDX	08/30/01	09/19/01	20	05	1	405 J	
					2	7180	
					3	692	
				Average Concentration for Cross Section 05 :			*2759*
RDX	08/30/01	09/19/01	20	07	1	271 J	
					2	875	
					3	787	
				Average Concentration for Cross Section 07 :			*644*
RDX	08/30/01	09/19/01	20	09	1	224 J	
					2	75.8 J	
					3	495 J	
				Average Concentration for Cross Section 09 :			*265*
RDX	08/30/01	09/19/01	20	11	1	1490	
					2	62.4 J	
					3	286 J	
				Average Concentration for Cross Section 11 :			*613*

Average Concentration for Windrow on Day 20 : 1002

Standard Deviation: 1761

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M210 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
TETRYL	08/30/01	09/19/01	20	03	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*500*
TETRYL	08/30/01	09/19/01	20	05	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*500*
TETRYL	08/30/01	09/19/01	20	07	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*492*
TETRYL	08/30/01	09/19/01	20	09	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*500*
TETRYL	08/30/01	09/19/01	20	11	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 20 : ***497***

Standard Deviation: ***8***

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-211 Day 0: 9/6/01

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5750	12.3	2550	5.275	11605	20.675	19905
2	3.25	5800	12	2480	5.275	11605	20.525	19885
3	3.1	5750	12.25	2500	5.275	11605	20.625	19855
4	3.5	5900	12	2400	5.275	11605	20.775	19905
5	3	5700	12.25	2500	5.275	11605	20.525	19805
6	3.5	5900	12.1	2450	5.275	11605	20.875	19955
7	3	5700	12.25	2480	5.275	11605	20.525	19785
8	3.4	5850	12.5	2590	5.275	11605	21.175	20045
9	3.5	5900	12.75	2700	5.275	11605	21.525	20205
10	3.5	5900	12.5	2750	5.275	11605	21.275	20255
11	3.25	5800	12	2400	5.275	11605	20.525	19805
12	3.5	5900	12.75	2800	5.275	11605	21.525	20305
13	3.5	5950	12.5	2600	5.275	11605	21.275	20155
14	3.25	5800	12.25	2500	5.275	11605	20.775	19905
15	3.5	5900	12.5	2600	5.275	11605	21.275	20105
16	3	5740	12	2400	5.275	11605	20.275	19745
17	2.8	5600	11.75	2300	5.275	11605	19.825	19505
18	3.25	5800	12.75	2800	5.275	11605	21.275	20205
19	3.5	5900	12.75	2800	5.275	11605	21.525	20305
20	3.2	5750	12.25	2500	5.275	11605	20.725	19855
21	3.45	5850	13	2900	5.275	11605	21.725	20355
22	3.2	5750	12	2400	5.275	11605	20.475	19755
23	3.5	5900	12.3	2550	5.275	11605	21.075	20055
24	3.25	5800	12.15	2450	5.275	11605	20.675	19855
25	3	5700	12.25	2500	5.275	11605	20.525	19805
26	2	5600	11	2300	5.275	11605	18.275	19505
27	3.25	5750	12	2400	5.275	11605	20.525	19755
28	3.9	5800	12.8	2550	5.275	11605	21.975	19955
29	3.5	5775	12.25	2500	5.275	11605	21.025	19880
30	3	5700	12.9	2480	5.275	11605	21.175	19785
31	3.1	5760	12	2400	5.275	11605	20.375	19765
32	3.9	5800	12.75	2700	5.275	11605	21.925	20105
33	4	5850	12.25	2510	5.275	11605	21.525	19965
34	3.3	5780	12	2400	5.275	11605	20.575	19785
35	3	5700	12.9	2580	5.275	11605	21.175	19885
36	3.9	5860	12	2400	5.275	11605	21.175	19865
37	4	5880	12.75	2750	5.275	11605	22.025	20235
38	3	5700	12.1	2425	5.275	11605	20.375	19730
39					5.275	11605	5.275	11605
40					5.275	11605	5.275	11605
41								
Total	125.85	220245	467.8	96295	211.00	464200	804.65	780740

RECORD OF RECIPE (MIX NO. 7B)

Building # S Windrow # 8211 PERFORMED BY: [illegible]

DATE: 9/15/01 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5000 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	310	5750	1230	2550				
2	325	5800	12	2480				
3	310	5750	1225	2500				
4	350	5900	12	2400				
5	3	5700	1225	2500				
6	350	5900	1210	2450				
7	3	5700	1225	2480				
8	340	5850	1250	2590				
9	350	5900	1275	2700				
10	350	5900	1250	2750				
11	325	5800	12	2400				
12	350	5900	1275	2800				
13	350	5950	1250	2600				
14	325	5800	1225	2500				
15	350	5900	1250	2600				
16	300	5740	12	2400				
17	280	5600	1175	2300				
18	325	5800	1275	2800				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
1	9/6/01	9/6/01	0		35.73
		9/7/01	1	53.37	47.27
		9/8/01	2	60.27	54.67
		9/10/01	4	67.17	59.97
		9/11/01	5	64.50	
		9/13/01	7	65.67	60.30
		9/14/01	8	57.57	51.97
		9/15/01	9	63.20	59.83
		9/17/01	11	70.63	65.10
		9/18/01	12	69.40	65.00
		9/19/01	13	62.13	60.07
		9/20/01	14	64.27	57.30
		9/21/01	15	68.73	63.23
		9/22/01	16	68.23	63.23

All average temperatures are in degrees centigrade

Friday, June 28, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S211	9/6/01	9/6/01	0		9.17
		9/7/01	1	5.77	3.53
		9/8/01	2	5.50	3.63
		9/10/01	4	8.23	7.67
		9/11/01	5	6.83	
		9/13/01	7	9.13	10.87
		9/14/01	8	13.60	12.93
		9/15/01	9	8.53	10.13
		9/17/01	11	8.27	5.07
		9/18/01	12	6.90	5.43
		9/19/01	13	9.57	9.37
		9/20/01	14	9.67	13.53
		9/21/01	15	8.47	11.37
		9/22/01	16	7.27	12.10

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
S211	9/6/01	9/7/01	1		46.30
		9/10/01	4		
		9/13/01	7		
		9/14/01	8		
		9/15/01	9		
		9/17/01	11		40.06
		9/19/01	13		
		9/20/01	14		39.26
		9/21/01	15		
		9/22/01	16		

All average MWHC values are expressed in percent

Friday, June 28, 2002

Average Daily Windrow PH Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn*	*PRE-Turn*
S211	9/6/01	9/20/01	14	8.80	

All average PH values are expressed in standard units

Friday, June 28, 2002

Windrow Number: S211 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	09/06/01	09/24/01	18	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
135TNB	09/06/01	09/24/01	18	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
135TNB	09/06/01	09/24/01	18	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
135TNB	09/06/01	09/24/01	18	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
135TNB	09/06/01	09/24/01	18	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 18 : ***498***

Standard Deviation: ***6***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: S211 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	09/06/01	09/24/01	18	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
13DNB	09/06/01	09/24/01	18	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
13DNB	09/06/01	09/24/01	18	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
13DNB	09/06/01	09/24/01	18	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
13DNB	09/06/01	09/24/01	18	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 18 : ***498***

Standard Deviation: ***6***

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: S211 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	09/06/01	09/24/01	18	03	1	LT	500	
					2	LT	500	
					3		93.8 J	
				Average Concentration for Cross Section 03 :				*365*
246TNT	09/06/01	09/24/01	18	05	1		98.6 J	
					2		118 J	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*239*
246TNT	09/06/01	09/24/01	18	07	1	LT	500	
					2		145 J	
					3		20.3 J	
				Average Concentration for Cross Section 07 :				*222*
246TNT	09/06/01	09/24/01	18	09	1		113 J	
					2	LT	500	
					3		167 J	
				Average Concentration for Cross Section 09 :				*260*
246TNT	09/06/01	09/24/01	18	11	1		41.7 J	
					2		162 J	
					3		111 J	
				Average Concentration for Cross Section 11 :				*105*

Average Concentration for Windrow on Day 18 : 238

Standard Deviation: 195

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S211 *2,4-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
24DNT	09/06/01	09/24/01	18	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
24DNT	09/06/01	09/24/01	18	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
24DNT	09/06/01	09/24/01	18	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
24DNT	09/06/01	09/24/01	18	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
24DNT	09/06/01	09/24/01	18	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 18 : ***498***

Standard Deviation: ***6***

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S211 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
26DNT	09/06/01	09/24/01	18	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
26DNT	09/06/01	09/24/01	18	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
26DNT	09/06/01	09/24/01	18	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
26DNT	09/06/01	09/24/01	18	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
26DNT	09/06/01	09/24/01	18	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 18 : ***498***

Standard Deviation: ***6***

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: S211 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	09/06/01	09/24/01	18	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
2A46DT	09/06/01	09/24/01	18	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
2A46DT	09/06/01	09/24/01	18	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
2A46DT	09/06/01	09/24/01	18	09	1	LT	476	
					2	LT	500	
					3		121 J	
				Average Concentration for Cross Section 09 :				*366*
2A46DT	09/06/01	09/24/01	18	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 18 : ***473***

Standard Deviation: ***98***

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: S211 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2NT	09/06/01	09/24/01	18	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
2NT	09/06/01	09/24/01	18	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
2NT	09/06/01	09/24/01	18	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
2NT	09/06/01	09/24/01	18	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
2NT	09/06/01	09/24/01	18	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 18 : ***498***

Standard Deviation: ***6***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: S211 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
3NT	09/06/01	09/24/01	18	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
3NT	09/06/01	09/24/01	18	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
3NT	09/06/01	09/24/01	18	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
3NT	09/06/01	09/24/01	18	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
3NT	09/06/01	09/24/01	18	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 18 : ***498***

Standard Deviation: ***6***

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: S211 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4A26DT	09/06/01	09/24/01	18	03	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*500*
4A26DT	09/06/01	09/24/01	18	05	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*500*
4A26DT	09/06/01	09/24/01	18	07	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*500*
4A26DT	09/06/01	09/24/01	18	09	1	LT 476	
					2	LT 500	
					3	192 J	
				Average Concentration for Cross Section 09 :			*389*
4A26DT	09/06/01	09/24/01	18	11	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*500*

Average Concentration for Windrow on Day 18 : 478

Standard Deviation: 79

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: S211 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4NT	09/06/01	09/24/01	18	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
4NT	09/06/01	09/24/01	18	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
4NT	09/06/01	09/24/01	18	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
4NT	09/06/01	09/24/01	18	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
4NT	09/06/01	09/24/01	18	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 18 : ***498***

Standard Deviation: ***6***

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: S211 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
RDX	09/06/01	09/24/01	18	03	1	1030	
					2	1540	
					3	982	
				Average Concentration for Cross Section 03 :			*1184*
RDX	09/06/01	09/24/01	18	05	1	100 J	
					2	59.9 J	
					3	4340	
				Average Concentration for Cross Section 05 :			*1500*
RDX	09/06/01	09/24/01	18	07	1	766	
					2	126 J	
					3	2380	
				Average Concentration for Cross Section 07 :			*1091*
RDX	09/06/01	09/24/01	18	09	1	162 J	
					2	1950	
					3	2320	
				Average Concentration for Cross Section 09 :			*1477*
RDX	09/06/01	09/24/01	18	11	1	953	
					2	153 J	
					3	1200	
				Average Concentration for Cross Section 11 :			*769*

Average Concentration for Windrow on Day 18 : 1204

Standard Deviation: 1176

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: S211 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
TETRYL	09/06/01	09/24/01	18	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
TETRYL	09/06/01	09/24/01	18	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
TETRYL	09/06/01	09/24/01	18	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
TETRYL	09/06/01	09/24/01	18	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
TETRYL	09/06/01	09/24/01	18	11	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*500*

Average Concentration for Windrow on Day 18 : ***498***

Standard Deviation: ***6***

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-212 Day 0: 10/3/01

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5790	12.1	2450	5.275	11605	20.475	19845
2	3	5700	12.15	2510	5.275	11605	20.425	19815
3	3.15	5820	12.1	2490	5.275	11605	20.525	19915
4	3.1	5750	12.25	2600	5.275	11605	20.625	19955
5	3.15	5840	12.1	2570	5.275	11605	20.525	20015
6	3	5700	12.1	2460	5.275	11605	20.375	19765
7	3.1	5790	12.15	2530	5.275	11605	20.525	19925
8	3.1	5790	12.1	2400	5.275	11605	20.475	19795
9	3.15	5820	12.1	2490	5.275	11605	20.525	19915
10	3	5700	12.1	2450	5.275	11605	20.375	19755
11	3.15	5770	12	2400	5.275	11605	20.425	19775
12	3.15	5800	12.1	2430	5.275	11605	20.525	19835
13	3.1	5720	12.15	2580	5.275	11605	20.525	19905
14	3.15	5840	12	2400	5.275	11605	20.425	19845
15	3.1	5770	12.15	2590	5.275	11605	20.525	19965
16	3	5700	12.1	2450	5.275	11605	20.375	19755
17	3.1	5790	12.15	2590	5.275	11605	20.525	19985
18	3.15	5840	12.1	2470	5.275	11605	20.525	19915
19	3	5700	12.1	2420	5.275	11605	20.375	19725
20	3	5700	12.25	2500	5.275	11605	20.525	19805
21	3.1	5750	12.9	2550	5.275	11605	21.275	19905
22	2.9	5675	12	2400	5.275	11605	20.175	19680
23	3	5700	12	2400	5.275	11605	20.275	19705
24	3.1	5750	12.25	2475	5.275	11605	20.625	19830
25	3.8	5790	12	2400	5.275	11605	21.075	19795
26	3.1	5750	12.25	2500	5.275	11605	20.625	19855
27	3.2	5750	12.25	2475	5.275	11605	20.725	19830
28	3	5700	12	2400	5.275	11605	20.275	19705
29	3.3	5780	12.1	2425	5.275	11605	20.675	19810
30	3	5700	12	2400	5.275	11605	20.275	19705
31	3.1	5750	12.2	2450	5.275	11605	20.575	19805
32	3.05	5725	12.75	2500	5.275	11605	21.075	19830
33	3	5700	12.25	2475	5.275	11605	20.525	19780
34	3.1	5760	12	2400	5.275	11605	20.375	19765
35	3	5700	12.1	2460	5.275	11605	20.375	19765
36	3.15	5820	12.1	2490	5.275	11605	20.525	19915
37	3.1	5790	12	2400	5.275	11605	20.375	19795
38	3.1	5750	12.15	2540	5.275	11605	20.525	19895
39	3.15	5890	12.1	2470	5.275	11605	20.525	19965
40	3.1	5770	12	2400	5.275	11605	20.375	19775
41								
42								
43								
Total	124.1	230330	485.75	98790	211.00	464200	820.85	793320

RECORD OF RECIPE (MIX NO. 7B)

Building # S Windrow # 212 PERFORMED BY: Rodney

DATE: 10/2/01 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5790	12.10	2450				
2	3.00	5700	12.15	2510				
3	3.15	5820	12.10	2490				
4	3.10	5750	12.25	2600				
5	3.15	5840	12.10	2570				
6	3	5700	12.10	2460				
7	3.10	5790	12.15	2530				
8	3.10	5790	12.10	2480				
9	3.15	5820	12.10	2490				
10	3	5700	12.10	2450				
11	3.15	5770	12	2400				
12	3.15	5800	12.10	2430				
13	3.10	5720	12.15	2580				
14	3.15	5840	12	2400				
15	3.10	5770	12.15	2590				
16	3	5700	12.10	2450				
17	3.10	5790	12.15	2590				
18	3.15	5840	12.10	2470				
19	3	5700	12.10	2420				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # S Windrow # 212 PERFORMED BY: Rodney

DATE: 101210/ INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5760	12	2400				
21	3	5700	12.10	2460				
22	3.15	5820	12.10	2490				
23	3.10	5790	12	2400				
24	3.10	5750	12.15	2540				
25	3.15	5890	12.10	2470				
26	3.10	5770	12	2400				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 5 Windrow # 5212 PERFORMED BY: _____

DATE: 101210/ INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5700	12.25	2500				
2	3.10	5750	12.90	2550				
3	2.90	5675	12.00	2400				
4	3.00	5,700	12.00	2400				
5	3.10	5,750	12.25	2475				
6	3.80	5790	12	2,400				
7	3.10	5,750	12.25	2,500				
8	3.20	5,775	12.25	2475				
9	3.00	5,700	12.00	2,400				
10	3.30	5780	12.10	2425				
11	3.00	5700	12.00	2,400				
12	3.10	5750	12.20	2,450				
13	3.05	5725	12.75	2500				
14	3.00	5,700	12.25	2475				
15								
Total								

Comments:

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # S-212 REV 1 Day 0: 11/1/01

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3	5700	12.1	2450	5.275	11605	20.375	19755
2	3.05	5725	12	2400	5.275	11605	20.325	19730
3	3.15	5775	12.15	2460	5.275	11605	20.575	19840
4	3.1	5750	15.05	2425	5.275	11605	23.425	19780
5	3	5700	12	2400	5.275	11605	20.275	19705
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								
41								
42								
43								
Total	15.3	28650	63.3	12135	26.38	58025	104.975	98810

RECORD OF RECIPE (MIX NO. 7B)

Building # 3 Windrow # 2/2 PERFORMED BY: _____

DATE: 11/01/01 INSPECTED BY: _____

Design Quantity: Chicken Manure 5,700 CY _____ Pounds
Straw 2,400 CY _____ Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.0	5700	12.10	2450				
2	3.05	5,725	12.0	2,400				
3	3.15	5,775	12.15	2,460				
4	3.10	5,750	12.05	2,425				
5	3.0	5,700	12.0	2,400				
Total								

Comments:

Average Daily Windrow WHC Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (%)	POST-Turn (%)
S212	10/3/01	10/3/01	0		
		10/4/01	1		53.98
		10/5/01	2		
		10/6/01	3		
		10/8/01	5		45.60
		10/10/01	7		47.94
		10/11/01	8		50.56
		10/16/01	13		43.76
		11/3/01	31		37.40
		11/5/01	33		48.46

All average MWHC values are expressed in percent

Friday, June 28, 2002

Average Daily Windrow PH Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn*	*PRE-Turn*
S212	10/3/01	10/4/01	1	8.60	
		10/16/01	13	8.62	
		11/5/01	33	8.78	

All average PH values are expressed in standard units

Friday, June 28, 2002

Windrow Number: S212 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	10/03/01	11/09/01	37	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
135TNB	10/03/01	11/09/01	37	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
135TNB	10/03/01	11/09/01	37	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
135TNB	10/03/01	11/09/01	37	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
135TNB	10/03/01	11/09/01	37	11	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 37 : ***498***

Standard Deviation: ***6***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: S212 *1,3-DINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
13DNB	10/03/01	11/09/01	37	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
13DNB	10/03/01	11/09/01	37	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
13DNB	10/03/01	11/09/01	37	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
13DNB	10/03/01	11/09/01	37	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
13DNB	10/03/01	11/09/01	37	11	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 37 : ***498***

Standard Deviation: ***6***

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: S212 *2,4,6-TRINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
246TNT	10/03/01	11/09/01	37	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
246TNT	10/03/01	11/09/01	37	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
246TNT	10/03/01	11/09/01	37	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
246TNT	10/03/01	11/09/01	37	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
246TNT	10/03/01	11/09/01	37	11	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 37 : ***498***

Standard Deviation: ***6***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: S212 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
24DNT	10/03/01	11/09/01	37	03	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*500*
24DNT	10/03/01	11/09/01	37	05	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*500*
24DNT	10/03/01	11/09/01	37	07	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*500*
24DNT	10/03/01	11/09/01	37	09	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*500*
24DNT	10/03/01	11/09/01	37	11	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 37 : ***498***

Standard Deviation: ***6***

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: S212 **2,6-DINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
26DNT	10/03/01	11/09/01	37	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
26DNT	10/03/01	11/09/01	37	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
26DNT	10/03/01	11/09/01	37	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
26DNT	10/03/01	11/09/01	37	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
26DNT	10/03/01	11/09/01	37	11	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 37 : ***498***

Standard Deviation: ***6***

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: S212 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2A46DT	10/03/01	11/09/01	37	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
2A46DT	10/03/01	11/09/01	37	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
2A46DT	10/03/01	11/09/01	37	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
2A46DT	10/03/01	11/09/01	37	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
2A46DT	10/03/01	11/09/01	37	11	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 37 : ***498***

Standard Deviation: ***6***

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: S212 *2-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2NT	10/03/01	11/09/01	37	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
2NT	10/03/01	11/09/01	37	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
2NT	10/03/01	11/09/01	37	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
2NT	10/03/01	11/09/01	37	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
2NT	10/03/01	11/09/01	37	11	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 37 : ***498***

Standard Deviation: ***6***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: S212 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
3NT	10/03/01	11/09/01	37	03	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*500*
3NT	10/03/01	11/09/01	37	05	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*500*
3NT	10/03/01	11/09/01	37	07	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*500*
3NT	10/03/01	11/09/01	37	09	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*500*
3NT	10/03/01	11/09/01	37	11	1	LT	500
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 37 : ***498***

Standard Deviation: ***6***

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: S212 *HMX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
HMX	10/03/01	11/09/01	37	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
HMX	10/03/01	11/09/01	37	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
HMX	10/03/01	11/09/01	37	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
HMX	10/03/01	11/09/01	37	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
HMX	10/03/01	11/09/01	37	11	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 37 : ***498***

Standard Deviation: ***6***

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: S212 *NITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
NB	10/03/01	11/09/01	37	03	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*500*
NB	10/03/01	11/09/01	37	05	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*500*
NB	10/03/01	11/09/01	37	07	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*500*
NB	10/03/01	11/09/01	37	09	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*500*
NB	10/03/01	11/09/01	37	11	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 37 : ***498***

Standard Deviation: ***6***

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: S212 *RDX Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
RDX	10/03/01	11/09/01	37	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
RDX	10/03/01	11/09/01	37	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
RDX	10/03/01	11/09/01	37	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
RDX	10/03/01	11/09/01	37	09	1	LT	500	
					2	LT	500	
					3		1390	
				Average Concentration for Cross Section 09 :				*797*
RDX	10/03/01	11/09/01	37	11	1	LT	500	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 37 : ***558***

Standard Deviation: ***230***

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: S212 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
TETRYL	10/03/01	11/09/01	37	03	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*500*
TETRYL	10/03/01	11/09/01	37	05	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*500*
TETRYL	10/03/01	11/09/01	37	07	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*500*
TETRYL	10/03/01	11/09/01	37	09	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*500*
TETRYL	10/03/01	11/09/01	37	11	1	LT 500	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 37 : ***498***

Standard Deviation: ***6***

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-213 Day 0: 10/4/01

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5750	12.1	2470	5.275	11605	20.475	19825
2	3.1	5790	12	2400	5.275	11605	20.375	19795
3	3.15	5820	12.1	2490	5.275	11605	20.525	19915
4	3.1	5770	12	2400	5.275	11605	20.375	19775
5	3	5700	12.1	2420	5.275	11605	20.375	19725
6	3.1	5790	12.15	2500	5.275	11605	20.525	19895
7	3.1	5750	12.15	2570	5.275	11605	20.525	19925
8	3	5700	12.1	2440	5.275	11605	20.375	19745
9	3.15	5820	12	2400	5.275	11605	20.425	19825
10	3.1	5790	12.15	2550	5.275	11605	20.525	19945
11	3.15	5870	12.1	2440	5.275	11605	20.525	19915
12	3.1	5730	12	2400	5.275	11605	20.375	19735
13	3.1	5760	12.15	2590	5.275	11605	20.525	19955
14	3.15	5820	12.1	2460	5.275	11605	20.525	19885
15	3.1	5750	12	2400	5.275	11605	20.375	19755
16	3.1	5740	12.15	2510	5.275	11605	20.525	19855
17	3.1	5770	12.1	2450	5.275	11605	20.475	19825
18	3	5700	12	2410	5.275	11605	20.275	19715
19	3.1	5750	12.15	2530	5.275	11605	20.525	19885
20	3.1	5750	12.1	2450	5.275	11605	20.475	19805
21	3.25	5800	12.25	2500	5.275	11605	20.775	19905
22	3.1	5750	12.15	2475	5.275	11605	20.525	19830
23	3	5700	12	2525	5.275	11605	20.275	19830
24	3.1	5750	12.1	2450	5.275	11605	20.475	19805
25	3.5	5775	12.25	2500	5.275	11605	21.025	19880
26	3	5700	12	2425	5.275	11605	20.275	19730
27	3.15	5725	12	2400	5.275	11605	20.425	19730
28	3	5700	12	2425	5.275	11605	20.275	19730
29	3	5725	12	2400	5.275	11605	20.275	19730
30	3	5700	12	2400	5.275	11605	20.275	19705
31	3.1	5750	12.1	2450	5.275	11605	20.475	19805
32	3	5700	12	2400	5.275	11605	20.275	19705
33	3.1	5760	12	2400	5.275	11605	20.375	19765
34	3	5700	12.1	2490	5.275	11605	20.375	19795
35	3.1	5730	12.1	2450	5.275	11605	20.475	19785
36	3.15	5810	12.1	2470	5.275	11605	20.525	19885
37	3	5700	12	2400	5.275	11605	20.275	19705
38	3.1	5750	12.1	2450	5.275	11605	20.475	19805
39	3.15	5810	12	2400	5.275	11605	20.425	19815
40	3.1	5720	12.1	2470	5.275	11605	20.475	19795
41								
42								
43								
Total	123.8	230075	483.05	98160	211.00	464200	817.85	792435

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 213 PERFORMED BY: Rodney

DATE: 10 14 101 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5760	12	2400				
21	3	5700	12.10	2490				
22	3.10	5730	1210	2450				
23	3.15	5810	1210	2470				
24	3	5700	12	2400				
25	3.10	5750	12.10	2450				
26	3.15	5810	12	2400				
27	3.10	5720	12.10	2470				
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # M Windrow # 213 PERFORMED BY: Rodney

DATE: 10/3/01 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 24 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5750	12.10	2470				
2	3.10	5790	12	2400				
3	3.15	5820	12.10	2490				
4	3.10	5770	12	2400				
5	3	5700	12.10	2420				
6	3.10	5790	12.15	2500				
7	3.10	5750	12.15	2570				
8	3	5700	12.10	2470				
9	3.15	5820	12	2400				
10	3.10	5790	12.15	2550				
11	3.15	5870	12.10	2470				
12	3.10	5730	12	2400				
13	3.10	5760	12.15	2590				
14	3.15	5820	12.10	2460				
15	3.10	5750	12	2400				
16	3.10	5740	12.15	2510				
17	3.10	5770	12.10	2450				
18	3	5700	12	2410				
19	3.10	5750	12.15	2580				
Total								

Comments:

10-4-01

RECORD OF RECIPE (MIX NO. 7B)

Building # 211 Windrow # 211213 PERFORMED BY: Larry

DATE: 10/13/01 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: Valley Produce		STRAW Supplier: Loudenbach Farm		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.10	5750	12.10	2450				
2	3.25	5800	12.25	2500				
3	3.10	5750	12.15	2475				
4	3.00	5700	12.05	2525				
5	3.10	5750	12.10	2450				
6	3.58	5775	12.25	2500				
7	3.00	5700	12.05	2425				
8	3.05	5725	12.00	2400				
9	3.00	5700	12.05	2425				
10	3.05	5725	12.00	2400				
11	3.00	5700	12.00	2400				
12	3.10	5750	12.10	2450				
13	3.00	5700	12.00	2400				
14								
15								
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
M213	10/4/01	10/4/01	0		32.67
		10/5/01	1	50.37	45.97
		10/6/01	2	58.23	51.07
		10/8/01	4	65.37	58.00
		10/9/01	5	63.50	57.27
		10/10/01	6	63.93	57.83
		10/11/01	7	64.50	57.53
		10/12/01	8	66.23	61.23
		10/13/01	9	69.67	65.50
		10/15/01	11	69.80	64.57
		10/16/01	12	67.43	64.20
		10/18/01	14	67.97	64.50
		10/19/01	15	68.27	62.27
		10/20/01	16	68.57	63.53

All average temperatures are in degrees centigrade

Friday, June 28, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M213	10/4/01	10/4/01	0		10.33
		10/5/01	1	6.80	9.13
		10/6/01	2	8.87	10.20
		10/8/01	4	15.83	13.73
		10/9/01	5	9.87	15.57
		10/10/01	6	5.50	12.93
		10/11/01	7	8.17	9.70
		10/12/01	8	9.83	13.23
		10/13/01	9	10.90	6.50
		10/15/01	11	7.97	11.13
		10/16/01	12	7.77	8.77
		10/18/01	14	6.07	8.20
		10/19/01	15	8.70	8.30
		10/20/01	16	9.10	11.73

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M213	10/4/01	10/4/01	0		
		10/5/01	1		56.90
		10/6/01	2		
		10/8/01	4		
		10/10/01	6		38.88
		10/11/01	7		40.26
		10/16/01	12		40.16
		10/18/01	14		44.84

All average MWHC values are expressed in percent

Friday, June 28, 2002

Average Daily Windrow PH Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn*	*PRE-Turn*
M213	10/4/01	10/16/01	12	8.52	

All average PH values are expressed in standard units

Friday, June 28, 2002

Windrow Number: M213 *1,3,5-TRINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
135TNB	10/04/01	10/22/01	18	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
135TNB	10/04/01	10/22/01	18	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
135TNB	10/04/01	10/22/01	18	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
135TNB	10/04/01	10/22/01	18	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
135TNB	10/04/01	10/22/01	18	11	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 18 : ***498***

Standard Deviation: ***6***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M213 *1,3-DINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
13DNB	10/04/01	10/22/01	18	03	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*500*
13DNB	10/04/01	10/22/01	18	05	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*500*
13DNB	10/04/01	10/22/01	18	07	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*500*
13DNB	10/04/01	10/22/01	18	09	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*500*
13DNB	10/04/01	10/22/01	18	11	1	LT 500	
					2	92.8 J	
					3	69.1 J	
				Average Concentration for Cross Section 11 :			*221*

Average Concentration for Windrow on Day 18 : ***444***

Standard Deviation: ***148***

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M213

2,4,6-TRINITROTOLUENE Results

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
246TNT	10/04/01	10/22/01	18	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
246TNT	10/04/01	10/22/01	18	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
246TNT	10/04/01	10/22/01	18	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
246TNT	10/04/01	10/22/01	18	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
246TNT	10/04/01	10/22/01	18	11	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 18 : ***498***

Standard Deviation: ***6***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M213 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
24DNT	10/04/01	10/22/01	18	03	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*500*
24DNT	10/04/01	10/22/01	18	05	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*500*
24DNT	10/04/01	10/22/01	18	07	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*500*
24DNT	10/04/01	10/22/01	18	09	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*500*
24DNT	10/04/01	10/22/01	18	11	1	LT 500	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 18 : 498

Standard Deviation: 6

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M213 **2,6-DINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
26DNT	10/04/01	10/22/01	18	03	1	LT	500	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 03 :			*500*
26DNT	10/04/01	10/22/01	18	05	1	LT	500	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 05 :			*500*
26DNT	10/04/01	10/22/01	18	07	1	LT	500	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 07 :			*500*
26DNT	10/04/01	10/22/01	18	09	1	LT	500	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 09 :			*500*
26DNT	10/04/01	10/22/01	18	11	1	LT	500	
					2	LT	500	
					3	LT	476	
					Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 18 : 498

Standard Deviation: 6

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M213 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2A46DT	10/04/01	10/22/01	18	03	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*500*
2A46DT	10/04/01	10/22/01	18	05	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*500*
2A46DT	10/04/01	10/22/01	18	07	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*500*
2A46DT	10/04/01	10/22/01	18	09	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*500*
2A46DT	10/04/01	10/22/01	18	11	1	LT	500
					2	LT	500
					3		196 J
				Average Concentration for Cross Section 11 :			*399*

Average Concentration for Windrow on Day 18 : ***480***

Standard Deviation: *78*

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M213 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	10/04/01	10/22/01	18	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
4A26DT	10/04/01	10/22/01	18	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
4A26DT	10/04/01	10/22/01	18	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
4A26DT	10/04/01	10/22/01	18	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
4A26DT	10/04/01	10/22/01	18	11	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 18 : ***498***

Standard Deviation: ***6***

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M213 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4NT	10/04/01	10/22/01	18	03	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*500*
4NT	10/04/01	10/22/01	18	05	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*500*
4NT	10/04/01	10/22/01	18	07	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*500*
4NT	10/04/01	10/22/01	18	09	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*500*
4NT	10/04/01	10/22/01	18	11	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 18 : ***498***

Standard Deviation: ***6***

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M213 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
HMX	10/04/01	10/22/01	18	03	1	220 J	
					2	336 J	
					3	811	
				Average Concentration for Cross Section 03 :			*456*
HMX	10/04/01	10/22/01	18	05	1	122 J	
					2	1110	
					3	3930	
				Average Concentration for Cross Section 05 :			*1721*
HMX	10/04/01	10/22/01	18	07	1	LT 500	
					2	LT 500	
					3	101 J	
				Average Concentration for Cross Section 07 :			*367*
HMX	10/04/01	10/22/01	18	09	1	172 J	
					2	216 J	
					3	47.2 J	
				Average Concentration for Cross Section 09 :			*145*
HMX	10/04/01	10/22/01	18	11	1	2180	
					2	2980	
					3	3660	
				Average Concentration for Cross Section 11 :			*2940*

Average Concentration for Windrow on Day 18 : 1126

Standard Deviation: 1366

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M213 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	10/04/01	10/22/01	18	03	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*500*
NB	10/04/01	10/22/01	18	05	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*500*
NB	10/04/01	10/22/01	18	07	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*500*
NB	10/04/01	10/22/01	18	09	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*500*
NB	10/04/01	10/22/01	18	11	1	LT	500
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 11 :			*492*

Average Concentration for Windrow on Day 18 : 498

Standard Deviation: 6

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M213 **RDX Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
RDX	10/04/01	10/22/01	18	03	1	LT	500	
					2	LT	500	
					3		4090	
					Average Concentration for Cross Section 03 :			*1697*
RDX	10/04/01	10/22/01	18	05	1	LT	500	
					2		162 J	
					3		97.7 J	
					Average Concentration for Cross Section 05 :			*253*
RDX	10/04/01	10/22/01	18	07	1	LT	500	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 07 :			*500*
RDX	10/04/01	10/22/01	18	09	1		50.2 J	
					2		714	
					3	LT	500	
					Average Concentration for Cross Section 09 :			*421*
RDX	10/04/01	10/22/01	18	11	1		671	
					2		13100	
					3		1320	
					Average Concentration for Cross Section 11 :			*5030*

Average Concentration for Windrow on Day 18 : 1580

Standard Deviation: 3331

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M213 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
TETRYL	10/04/01	10/22/01	18	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
TETRYL	10/04/01	10/22/01	18	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
TETRYL	10/04/01	10/22/01	18	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
TETRYL	10/04/01	10/22/01	18	09	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*500*
TETRYL	10/04/01	10/22/01	18	11	1	LT	500	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*492*

Average Concentration for Windrow on Day 18 : ***498***

Standard Deviation: ***6***

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # N-214 Day 0: 10/9/01

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3	5700	12.1	2450	5.275	11605	20.375	19755
2	3.1	5730	12	2400	5.275	11605	20.375	19735
3	3.1	5730	12.1	2420	5.275	11605	20.475	19755
4	3.1	5760	12.1	2440	5.275	11605	20.475	19805
5	3.1	5720	12.1	2460	5.275	11605	20.475	19785
6	3.1	5780	12.1	2450	5.275	11605	20.475	19835
7	3.1	5740	12.1	2420	5.275	11605	20.475	19765
8	3.25	5800	12.25	2500	5.275	11605	20.775	19905
9	3.75	6000	13	2850	5.275	11605	22.025	20455
10	3.25	5820	12.25	2540	5.275	11605	20.775	19965
11	3.1	5760	12.1	2490	5.275	11605	20.475	19855
12	3.1	5710	12	2400	5.275	11605	20.375	19715
13	3.25	5820	12.1	2460	5.275	11605	20.625	19885
14	3.1	5770	12.25	2510	5.275	11605	20.625	19885
15	3	5700	12.1	2470	5.275	11605	20.375	19775
16	3.1	5790	12	2400	5.275	11605	20.375	19795
17	3.1	5750	12.1	2440	5.275	11605	20.475	19795
18	3.1	5790	12.1	2460	5.275	11605	20.475	19855
19	3.25	5810	12.25	2640	5.275	11605	20.775	20055
20	3.1	5750	12	2400	5.275	11605	20.375	19755
21	3	5700	12.1	2470	5.275	11605	20.375	19775
22	3.1	5770	12.1	2450	5.275	11605	20.475	19825
23	3.2	5810	12.1	2420	5.275	11605	20.575	19835
24	3.1	5760	12.25	2540	5.275	11605	20.625	19905
25	3	5700	12	2400	5.275	11605	20.275	19705
26	3.1	5750	12.1	2450	5.275	11605	20.475	19805
27	3.25	5810	12	2400	5.275	11605	20.525	19815
28	3	5700	12.1	2470	5.275	11605	20.375	19775
29	3.15	5800	12.1	2490	5.275	11605	20.525	19895
30	3	5700	12.1	2460	5.275	11605	20.375	19765
31	3.25	5800	12.5	2600	5.275	11605	21.025	20005
32	3	5700	12	2400	5.275	11605	20.275	19705
33	3.25	5800	12	2400	5.275	11605	20.525	19805
34	3	5700	12.25	2500	5.275	11605	20.525	19805
35	3	5700	12.5	2600	5.275	11605	20.775	19905
36	3.5	5900	12.25	2500	5.275	11605	21.025	20005
37	3.25	5800	13	2800	5.275	11605	21.525	20205
38	3.5	5900	12.75	2700	5.275	11605	21.525	20205
39	3.25	5800	12.25	2500	5.275	11605	20.775	19905
40	3	5700	12.5	2600	5.275	11605	20.775	19905
41								
42								
43								
Total	125.95	230730	488.05	99750	211.00	464200	825	794680

RECORD OF RECIPE (MIX NO. 7B)

Building # N Windrow # 214 PERFORMED BY: _____

DATE: 101 101 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5700	12.10	2450				
2	3.10	5750	12	2400				
3	3.10	5730	12.10	2420				
4	3.10	5760	12.10	2440				
5	3.10	5720	12.10	2460				
6	3.10	5780	12.10	2450				
7	3.10	5740	12.10	2420				
8	3.25	5800	12.25	2500				
9	3.75	6000	13.00	2850				
10	3.25	5820	12.25	2540				
11	3.10	5780	12.10	2490				
12	3.10	5710	12	2400				
13	3.25	5820	12.10	2460				
14	3.10	5770	12.25	2510				
15	3	5700	12.10	2470				
16	3.10	5790	12	2400				
17	3.10	5780	12.10	2440				
18	3.10	5790	12.10	2460				
19	3.25	5810	12.25	2640				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # N Windrow # 214 PERFORMED BY: _____

DATE: 1 1 01 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
20	3.10	5750	12	2400				
21	3	5700	12.10	2470				
22	3.10	5770	12.10	2450				
23	3.20	5810	12.10	2430				
24	3.10	5760	12.25	2540				
25	3	5700	12	2400				
26	3.10	5750	12.10	2450				
27	3.25	5810	12.	2400				
28	3	5700	12.10	2470				
29	3.15	5800	12.10	2490				
30	3	5700	12.10	2460				
31								
32								
Total								

Comments:

Day 0 10/9/01

SOP 3.0 FIGURE 2a

Revised 02/25/98

RECORD OF RECIPE (MIX NO. 7B)

Building # N Windrow # N214 PERFORMED BY: _____

DATE: 10/8/01 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
			12.50	2600				
1	3.25	5800	~~2600~~	~~2600~~				
2	3	5700	12	2400				
3	3.25	5800	12	2400				
4	3	5700	12.25	2500				
5	3	5700	12.50	2600				
6	3.50	5900	12.25	2500				
7	3.25	5800	13.00	2800				
8	3.50	5900	12.75	2700				
9	3.25	5800	12.25	2500				
10	3.00	5700	12.50	2600				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
N214	10/9/01	10/9/01	0		35.10
		10/10/01	1	60.13	59.17
		10/11/01	2	62.70	48.50
		10/12/01	3	59.90	52.37
		10/13/01	4	65.73	60.43
		10/15/01	6	67.93	63.47
		10/16/01	7	68.43	65.07
		10/17/01	8	63.43	55.87
		10/18/01	9	69.27	63.37
		10/19/01	10	69.03	62.23
		10/20/01	11	68.47	61.70
		10/22/01	13	63.30	63.77
		10/23/01	14	64.70	61.40
		10/24/01	15	65.07	60.77
		10/26/01	17	63.70	63.90
		10/27/01	18	66.83	57.70
		10/29/01	20	60.47	60.17
		10/31/01	22	61.27	56.07

All average temperatures are in degrees centigrade

Friday, June 28, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
N214	10/9/01	10/9/01	0		6.87
		10/10/01	1	8.20	13.13
		10/11/01	2	6.47	13.33
		10/12/01	3	11.90	12.17
		10/13/01	4	10.47	6.97
		10/15/01	6	7.93	10.53
		10/16/01	7	6.63	8.43
		10/17/01	8	9.77	15.23
		10/18/01	9	7.40	8.40
		10/19/01	10	7.80	8.83
		10/20/01	11	5.47	11.33
		10/22/01	13	12.00	13.03
		10/23/01	14	6.67	12.93
		10/24/01	15	11.57	12.80
		10/26/01	17	10.23	9.60
		10/27/01	18	9.43	13.07
		10/29/01	20	11.37	9.30
		10/31/01	22	7.87	10.23

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
N214	10/9/01	10/10/01	1		44.32
		10/11/01	2		50.04
		10/15/01	6		41.14
		10/22/01	13		48.72
		10/23/01	14		30.80
		10/29/01	20		37.86

All average MWHC values are expressed in percent

Friday, June 28, 2002

Average Daily Windrow PH Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn*	*PRE-Turn*
N214	10/9/01	10/15/01	6	8.60	
		10/22/01	13	8.58	
		10/29/01	20	8.54	

All average PH values are expressed in standard units

Friday, June 28, 2002

Windrow Number: N214 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
135TNB	10/09/01	11/01/01	23	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
135TNB	10/09/01	11/01/01	23	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
135TNB	10/09/01	11/01/01	23	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
135TNB	10/09/01	11/01/01	23	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
135TNB	10/09/01	11/01/01	23	11	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 23 : ***495***

Standard Deviation: ***10***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: N214 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	10/09/01	11/01/01	23	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
13DNB	10/09/01	11/01/01	23	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
13DNB	10/09/01	11/01/01	23	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
13DNB	10/09/01	11/01/01	23	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
13DNB	10/09/01	11/01/01	23	11	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 23 : 495

Standard Deviation: 10

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: N214 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	10/09/01	11/01/01	23	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
246TNT	10/09/01	11/01/01	23	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
246TNT	10/09/01	11/01/01	23	07	1	LT	500	
					2		158 J	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*386*
246TNT	10/09/01	11/01/01	23	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
246TNT	10/09/01	11/01/01	23	11	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 23 : ***472***

Standard Deviation: ***88***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: N214 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
24DNT	10/09/01	11/01/01	23	03	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*500*
24DNT	10/09/01	11/01/01	23	05	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*500*
24DNT	10/09/01	11/01/01	23	07	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*500*
24DNT	10/09/01	11/01/01	23	09	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*492*
24DNT	10/09/01	11/01/01	23	11	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 23 : 495

Standard Deviation: 10

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: N214 **2,6-DINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
26DNT	10/09/01	11/01/01	23	03	1	LT	500	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 03 :			*500*
26DNT	10/09/01	11/01/01	23	05	1	LT	500	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 05 :			*500*
26DNT	10/09/01	11/01/01	23	07	1	LT	500	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 07 :			*500*
26DNT	10/09/01	11/01/01	23	09	1	LT	476	
					2	LT	500	
					3	LT	500	
					Average Concentration for Cross Section 09 :			*492*
26DNT	10/09/01	11/01/01	23	11	1	LT	500	
					2	LT	476	
					3	LT	476	
					Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 23 : ***495***

Standard Deviation: ***10***

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: N214 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
2A46DT	10/09/01	11/01/01	23	03	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 03 :			*500*
2A46DT	10/09/01	11/01/01	23	05	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 05 :			*500*
2A46DT	10/09/01	11/01/01	23	07	1	LT	500
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 07 :			*500*
2A46DT	10/09/01	11/01/01	23	09	1	LT	476
					2	LT	500
					3	LT	500
				Average Concentration for Cross Section 09 :			*492*
2A46DT	10/09/01	11/01/01	23	11	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 23 : 495

Standard Deviation: 10

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: N214 **2-NITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
2NT	10/09/01	11/01/01	23	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
2NT	10/09/01	11/01/01	23	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
2NT	10/09/01	11/01/01	23	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
2NT	10/09/01	11/01/01	23	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
2NT	10/09/01	11/01/01	23	11	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 23 : ***495***

Standard Deviation: ***10***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: N214 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
3NT	10/09/01	11/01/01	23	03	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 03 :			*500*
3NT	10/09/01	11/01/01	23	05	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*500*
3NT	10/09/01	11/01/01	23	07	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*500*
3NT	10/09/01	11/01/01	23	09	1	LT 476	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 09 :			*492*
3NT	10/09/01	11/01/01	23	11	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 23 : ***495***

Standard Deviation: ***10***

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: N214 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	10/09/01	11/01/01	23	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
4A26DT	10/09/01	11/01/01	23	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
4A26DT	10/09/01	11/01/01	23	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
4A26DT	10/09/01	11/01/01	23	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
4A26DT	10/09/01	11/01/01	23	11	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 23 : ***495***

Standard Deviation: ***10***

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: N214 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
4NT	10/09/01	11/01/01	23	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
4NT	10/09/01	11/01/01	23	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
4NT	10/09/01	11/01/01	23	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
4NT	10/09/01	11/01/01	23	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
4NT	10/09/01	11/01/01	23	11	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 23 : ***495***

Standard Deviation: ***10***

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: N214 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
RDX	10/09/01	11/01/01	23	03	1	LT 500	
					2	254 J	
					3	526	
				Average Concentration for Cross Section 03 :			*427*
RDX	10/09/01	11/01/01	23	05	1	LT 500	
					2	1420	
					3	646	
				Average Concentration for Cross Section 05 :			*855*
RDX	10/09/01	11/01/01	23	07	1	LT 500	
					2	LT 500	
					3	LT 500	
				Average Concentration for Cross Section 07 :			*500*
RDX	10/09/01	11/01/01	23	09	1	LT 476	
					2	LT 500	
					3	564	
				Average Concentration for Cross Section 09 :			*513*
RDX	10/09/01	11/01/01	23	11	1	2570	
					2	5120	
					3	2760	
				Average Concentration for Cross Section 11 :			*3483*

Average Concentration for Windrow on Day 23 : 1156

Standard Deviation: 1342

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: N214 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
TETRYL	10/09/01	11/01/01	23	03	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 03 :				*500*
TETRYL	10/09/01	11/01/01	23	05	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*500*
TETRYL	10/09/01	11/01/01	23	07	1	LT	500	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 07 :				*500*
TETRYL	10/09/01	11/01/01	23	09	1	LT	476	
					2	LT	500	
					3	LT	500	
				Average Concentration for Cross Section 09 :				*492*
TETRYL	10/09/01	11/01/01	23	11	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 23 : ***495***

Standard Deviation: ***10***

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # M-215 Day 0: 10/10/01

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3.1	5790	12.1	2450	5.275	11605	20.475	19845
2	3.5	5800	12.5	2510	5.275	11605	21.275	19915
3	3	5710	12	2490	5.275	11605	20.275	19805
4	3.5	5820	12.5	2540	5.275	11605	21.275	19965
5	3.1	5740	12	2430	5.275	11605	20.375	19775
6	3.2	5780	12.1	2440	5.275	11605	20.575	19825
7	3.5	5840	12.5	2510	5.275	11605	21.275	19955
8	3.5	5700	12	2460	5.275	11605	20.775	19765
9	3	5730	12	2410	5.275	11605	20.275	19745
10	3.1	5810	12.1	2450	5.275	11605	20.475	19865
11	3.4	5740	12.3	2520	5.275	11605	20.975	19865
12	3.1	5730	12.2	2490	5.275	11605	20.575	19825
13	3.5	5810	12	2400	5.275	11605	20.775	19815
14	3.6	5890	12.2	2490	5.275	11605	21.075	19985
15	3.2	5760	11.9	2350	5.275	11605	20.375	19715
16	3.5	5840	12.5	2540	5.275	11605	21.275	19985
17	3.4	5810	11.9	2390	5.275	11605	20.575	19805
18	3.1	5730	11.7	2295	5.275	11605	20.075	19630
19	3.2	5780	12.4	2520	5.275	11605	20.875	19905
20	3	5700	12	2400	5.275	11605	20.275	19705
21	3	5725	12.1	2450	5.275	11605	20.375	19780
22	3	5700	12	2425	5.275	11605	20.275	19730
23	3	5700	12	2400	5.275	11605	20.275	19705
24	3.2	5775	12.1	2450	5.275	11605	20.575	19830
25	3	5700	12	2400	5.275	11605	20.275	19705
26	3	5720	12	2425	5.275	11605	20.275	19750
27	3	5700	12.1	2450	5.275	11605	20.375	19755
28	3	5700	12	2400	5.275	11605	20.275	19705
29	3.1	5750	12.15	2465	5.275	11605	20.525	19820
30	3.1	5780	12.1	2440	5.275	11605	20.475	19825
31	3.1	5750	12.1	2430	5.275	11605	20.475	19785
32	3	5700	12.5	2590	5.275	11605	20.775	19895
33	3.1	5750	12.4	2510	5.275	11605	20.775	19865
34					5.275	11605	5.275	11605
35					5.275	11605	5.275	11605
36					5.275	11605	5.275	11605
37					5.275	11605	5.275	11605
38					5.275	11605	5.275	11605
39					5.275	11605	5.275	11605
40					5.275	11605	5.275	11605
41								
42								
43								
Total	105.1	189960	400.45	80920	211.00	464200	716.55	735080

RECORD OF RECIPE (MIX NO. 7B)

Building # ~~#2~~ Windrow # ~~215~~ PERFORMED BY: _____

DATE: 10 9 101 INSPECTED BY: _____

Design Quantity: Chicken Manure ~~5700~~ 34 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier:		STRAW Supplier:		SOIL Location:		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.1	5790	12.1	2450				
2	3.5	5800	12.5	2510				
3	3	5710	12	2490				
4	3.5	5820	12.5	2540				
5	3.01	5740	12	2430				
6	3.02	5780	12.1	2440				
7	3.5	5840	12.5	2510				
8	3	5700	12.2	2460				
9	3.01	5730	12	2410				
10	3.4	5810	12.1	2450				
11	3.01	5740	12.3	2520				
12	3.1	5730	12.2	2490				
13	3.5	5810	12	2400				
14	3.6	5890	12.2	2490				
15	3.2	5760	11.9	2350				
16		5840	12.5	2540				
17	3.4	5810	11.9	2390				
18		5730		2295				
19	3.02	5780	12.4	2520				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 2 Windrow # 215 PERFORMED BY: _____

DATE: 10/09/01 INSPECTED BY: _____

Design Quantity: Chicken Manure 5,700 CY _____ Pounds
Straw 2,400 CY _____ Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.00	5,700	12.00	2,400				
2	3.05	5725	12.10	2,450				
3	3.00	5,700	12.05	2,425				
4	3.00	5,700	12.00	2,400				
5	3.20	5,775	12.10	2,450				
6	3.00	5,700	12.00	2,400				
7	3.05	5,725	12.05	2,425				
8	3.00	5,700	12.10	2,450				
9	3.00	5,700	12.00	2,400				
10	3.10	5,750	12.15	2,465				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 2 Windrow # 215 PERFORMED BY: [illegible]

DATE: 10/9/01 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.1	5780	12.1	2440				
2	3.1	5750	12.1	2430				
3	3.2	5700	12.5	2510				
4	3.1	5750	12.4	2510				
Total								

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	Construction Date	Date Monitored	Age (Days)	PRE-Turn (Deg C)	POST-Turn (Deg C)
1215	10/10/01	10/10/01	0		36.67
		10/11/01	1	62.27	43.00
		10/12/01	2	58.17	55.03
		10/13/01	3	66.33	60.40
		10/15/01	5	69.83	64.33
		10/16/01	6	69.60	64.90
		10/17/01	7	64.07	59.33
		10/18/01	8	70.10	64.00
		10/19/01	9	69.40	64.77
		10/20/01	10	68.13	63.30
		10/22/01	12	63.73	63.87
		10/23/01	13	64.03	54.97
		10/25/01	15	63.63	55.13
		10/26/01	16	68.87	62.80
		10/27/01	17	68.87	63.30
		10/29/01	19	65.17	62.43
		10/30/01	20	66.83	62.70
		10/31/01	21	66.83	62.77

All average temperatures are in degrees centigrade

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M215	10/10/01	10/10/01	0		9.43
		10/11/01	1	8.00	9.93
		10/12/01	2	10.57	11.30
		10/13/01	3	12.30	8.30
		10/15/01	5	9.07	7.17
		10/16/01	6	7.17	8.70
		10/17/01	7	8.50	13.86
		10/18/01	8	7.23	8.30
		10/19/01	9	6.27	9.40
		10/20/01	10	5.07	12.93
		10/22/01	12	8.73	13.97
		10/23/01	13	8.63	14.03
		10/25/01	15	9.03	15.00
		10/26/01	16	10.47	9.87
		10/27/01	17	8.47	10.90
		10/29/01	19	11.13	9.43
		10/30/01	20	5.57	10.23
		10/31/01	21	6.13	9.23

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
M215	10/10/01	10/11/01	1		41.84
		10/15/01	5		33.34
		10/18/01	8		40.18
		10/22/01	12		28.70
		10/23/01	13		39.74
		10/29/01	19		34.66

All average MWHC values are expressed in percent

Friday, June 28, 2002

Average Daily Windrow PH Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn*	*PRE-Turn*
M215	10/10/01	10/15/01	5	8.74	
		10/29/01	19	8.36	

All average PH values are expressed in standard units

Friday, June 28, 2002

Windrow Number: M215 *1,3,5-TRINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
135TNB	10/10/01	11/02/01	23	03	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*484*
135TNB	10/10/01	11/02/01	23	05	1	LT 476	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*484*
135TNB	10/10/01	11/02/01	23	07	1	LT 476	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*484*
135TNB	10/10/01	11/02/01	23	09	1	LT 476	
					2	LT 500	
					3	LT 455	
				Average Concentration for Cross Section 09 :			*477*
135TNB	10/10/01	11/02/01	23	11	1	LT 500	
					2	LT 455	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 23 : 481

Standard Deviation: 15

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: M215 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	10/10/01	11/02/01	23	03	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*484*
13DNB	10/10/01	11/02/01	23	05	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*484*
13DNB	10/10/01	11/02/01	23	07	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*484*
13DNB	10/10/01	11/02/01	23	09	1	LT	476	
					2	LT	500	
					3	LT	455	
				Average Concentration for Cross Section 09 :				*477*
13DNB	10/10/01	11/02/01	23	11	1	LT	500	
					2	LT	455	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*477*

Average Concentration for Windrow on Day 23 : 481

Standard Deviation: 15

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: M215 **2,4,6-TRINITROTOLUENE Results**

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
246TNT	10/10/01	11/02/01	23	03	1	LT 500	
					2	LT 476	
					3	LT 476	
					Average Concentration for Cross Section 03 :		*484*
246TNT	10/10/01	11/02/01	23	05	1	LT 476	
					2	LT 476	
					3	LT 500	
					Average Concentration for Cross Section 05 :		*484*
246TNT	10/10/01	11/02/01	23	07	1	LT 476	
					2	LT 500	
					3	LT 476	
					Average Concentration for Cross Section 07 :		*484*
246TNT	10/10/01	11/02/01	23	09	1	LT 476	
					2	LT 500	
					3	LT 455	
					Average Concentration for Cross Section 09 :		*477*
246TNT	10/10/01	11/02/01	23	11	1	LT 500	
					2	LT 455	
					3	LT 476	
					Average Concentration for Cross Section 11 :		*477*

Average Concentration for Windrow on Day 23 : 481

Standard Deviation: 15

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: M215 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
24DNT	10/10/01	11/02/01	23	03	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*484*
24DNT	10/10/01	11/02/01	23	05	1	LT 476	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*484*
24DNT	10/10/01	11/02/01	23	07	1	LT 476	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*484*
24DNT	10/10/01	11/02/01	23	09	1	LT 476	
					2	LT 500	
					3	LT 455	
				Average Concentration for Cross Section 09 :			*477*
24DNT	10/10/01	11/02/01	23	11	1	LT 500	
					2	LT 455	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 23 : ***481***

Standard Deviation: *15*

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: M215 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
26DNT	10/10/01	11/02/01	23	03	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*484*
26DNT	10/10/01	11/02/01	23	05	1	LT 476	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*484*
26DNT	10/10/01	11/02/01	23	07	1	LT 476	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*484*
26DNT	10/10/01	11/02/01	23	09	1	LT 476	
					2	LT 500	
					3	LT 455	
				Average Concentration for Cross Section 09 :			*477*
26DNT	10/10/01	11/02/01	23	11	1	LT 500	
					2	LT 455	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 23 : ***481***

Standard Deviation: *15*

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: M215 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2A46DT	10/10/01	11/02/01	23	03	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 03 :			*484*
2A46DT	10/10/01	11/02/01	23	05	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 05 :			*484*
2A46DT	10/10/01	11/02/01	23	07	1	LT	476
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 07 :			*484*
2A46DT	10/10/01	11/02/01	23	09	1	LT	476
					2	LT	500
					3	LT	455
				Average Concentration for Cross Section 09 :			*477*
2A46DT	10/10/01	11/02/01	23	11	1	LT	500
					2	LT	455
					3	LT	476
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 23 : 481

Standard Deviation: 15

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: M215 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
2NT	10/10/01	11/02/01	23	03	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*484*
2NT	10/10/01	11/02/01	23	05	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*484*
2NT	10/10/01	11/02/01	23	07	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*484*
2NT	10/10/01	11/02/01	23	09	1	LT	476	
					2	LT	500	
					3	LT	455	
				Average Concentration for Cross Section 09 :				*477*
2NT	10/10/01	11/02/01	23	11	1	LT	500	
					2	LT	455	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*477*

Average Concentration for Windrow on Day 23 : 481

Standard Deviation: 15

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: M215 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
3NT	10/10/01	11/02/01	23	03	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 03 :			*484*
3NT	10/10/01	11/02/01	23	05	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 05 :			*484*
3NT	10/10/01	11/02/01	23	07	1	LT	476
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 07 :			*484*
3NT	10/10/01	11/02/01	23	09	1	LT	476
					2	LT	500
					3	LT	455
				Average Concentration for Cross Section 09 :			*477*
3NT	10/10/01	11/02/01	23	11	1	LT	500
					2	LT	455
					3	LT	476
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 23 : ***481***

Standard Deviation: ***15***

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: M215 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
4A26DT	10/10/01	11/02/01	23	03	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*484*
4A26DT	10/10/01	11/02/01	23	05	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*484*
4A26DT	10/10/01	11/02/01	23	07	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*484*
4A26DT	10/10/01	11/02/01	23	09	1	LT	476	
					2	LT	500	
					3	LT	455	
				Average Concentration for Cross Section 09 :				*477*
4A26DT	10/10/01	11/02/01	23	11	1	LT	500	
					2	LT	455	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*477*

Average Concentration for Windrow on Day 23 : ***481***

Standard Deviation: ***15***

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: M215 *4-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
4NT	10/10/01	11/02/01	23	03	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*484*
4NT	10/10/01	11/02/01	23	05	1	LT 476	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*484*
4NT	10/10/01	11/02/01	23	07	1	LT 476	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*484*
4NT	10/10/01	11/02/01	23	09	1	LT 476	
					2	LT 500	
					3	LT 455	
				Average Concentration for Cross Section 09 :			*477*
4NT	10/10/01	11/02/01	23	11	1	LT 500	
					2	LT 455	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 23 : 481

Standard Deviation: 15

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: M215 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
HMX	10/10/01	11/02/01	23	03	1		230 J	
					2		355 J	
					3		598	
				Average Concentration for Cross Section 03 :				*394*
HMX	10/10/01	11/02/01	23	05	1		359 J	
					2		388 J	
					3		563	
				Average Concentration for Cross Section 05 :				*437*
HMX	10/10/01	11/02/01	23	07	1	LT	476	
					2		327 J	
					3		9010	
				Average Concentration for Cross Section 07 :				*3271*
HMX	10/10/01	11/02/01	23	09	1	LT	476	
					2		1540	
					3		289 J	
				Average Concentration for Cross Section 09 :				*768*
HMX	10/10/01	11/02/01	23	11	1		343 J	
					2		1480	
					3		2750	
				Average Concentration for Cross Section 11 :				*1524*

Average Concentration for Windrow on Day 23 : 1279

Standard Deviation: 2247

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: M215 *NITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
NB	10/10/01	11/02/01	23	03	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*484*
NB	10/10/01	11/02/01	23	05	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 05 :				*484*
NB	10/10/01	11/02/01	23	07	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*484*
NB	10/10/01	11/02/01	23	09	1	LT	476	
					2	LT	500	
					3	LT	455	
				Average Concentration for Cross Section 09 :				*477*
NB	10/10/01	11/02/01	23	11	1	LT	500	
					2	LT	455	
					3	LT	476	
				Average Concentration for Cross Section 11 :				*477*

Average Concentration for Windrow on Day 23 : ***481***

Standard Deviation: ***15***

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: M215 *RDX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location		Concentration	UGKG
RDX	10/10/01	11/02/01	23	03	1		2000	
					2	LT	476	
					3		4550	
				Average Concentration for Cross Section 03 :				*2342*
RDX	10/10/01	11/02/01	23	05	1		210 J	
					2		2970	
					3		489 J	
				Average Concentration for Cross Section 05 :				*1223*
RDX	10/10/01	11/02/01	23	07	1	LT	476	
					2		80.1 J	
					3		1710	
				Average Concentration for Cross Section 07 :				*755*
RDX	10/10/01	11/02/01	23	09	1	LT	476	
					2		1300	
					3		90.1 J	
				Average Concentration for Cross Section 09 :				*622*
RDX	10/10/01	11/02/01	23	11	1	LT	500	
					2		693	
					3		9850	
				Average Concentration for Cross Section 11 :				*3681*

Average Concentration for Windrow on Day 23 : ***1725***

Standard Deviation: ***2567***

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: M215 *TETRYL Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
TETRYL	10/10/01	11/02/01	23	03	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*484*
TETRYL	10/10/01	11/02/01	23	05	1	LT 476	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 05 :			*484*
TETRYL	10/10/01	11/02/01	23	07	1	LT 476	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*484*
TETRYL	10/10/01	11/02/01	23	09	1	LT 476	
					2	LT 500	
					3	LT 455	
				Average Concentration for Cross Section 09 :			*477*
TETRYL	10/10/01	11/02/01	23	11	1	LT 500	
					2	LT 455	
					3	LT 476	
				Average Concentration for Cross Section 11 :			*477*

Average Concentration for Windrow on Day 23 : 481

Standard Deviation: 15

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date

TOLTEST, INC.

Record of Recipe Worksheet

Windrow # N-216 Day 0: 12/3/01

	Chicken		Straw		Soil		Total	
Batch #	cy	pounds	cy	pounds	cy	pounds	cy	pounds
1	3	5710	11.9	2390	5.275	11605	20.175	19705
2	3	5730	12	2440	5.275	11605	20.275	19775
3	3	5700	12	2410	5.275	11605	20.275	19715
4	3.1	5800	11.9	2380	5.275	11605	20.275	19785
5	3	5740	12	2460	5.275	11605	20.275	19805
6	3	5760	12	2400	5.275	11605	20.275	19765
7	3.1	5800	12	2450	5.275	11605	20.375	19855
8	3	5740	12.1	2510	5.275	11605	20.375	19855
9	3	5700	12.1	2640	5.275	11605	20.375	19945
10	3	5750	12	2425	5.275	11605	20.275	19780
11	3	5790	12	2420	5.275	11605	20.275	19815
12	3	5730	11.9	2390	5.275	11605	20.175	19725
13	3	5690	12	2400	5.275	11605	20.275	19695
14	3	5740	12	2450	5.275	11605	20.275	19795
15	3.1	5890	11.9	2380	5.275	11605	20.275	19875
16	3	5740	12.5	2840	5.275	11605	20.775	20185
17	3	5610	12.3	2690	5.275	11605	20.575	19905
18	3.1	5870	12.3	2670	5.275	11605	20.675	20145
19	3	5740	12.5	2810	5.275	11605	20.775	20155
20	3	5790	11.9	2390	5.275	11605	20.175	19785
21	3	5700	12.6	2900	5.275	11605	20.875	20205
22	3	5640	12.5	2840	5.275	11605	20.775	20085
23	2.9	5400	12.6	2910	5.275	11605	20.775	19915
24	3	5720	12	2400	5.275	11605	20.275	19725
25	3	5710	12	2440	5.275	11605	20.275	19755
26	3	5730	12	2410	5.275	11605	20.275	19745
27	3	5740	12	2430	5.275	11605	20.275	19775
28	3	5720	12	2410	5.275	11605	20.275	19735
29	3	5730	12	2400	5.275	11605	20.275	19735
30	3.25	6000	12.5	2600	5.275	11605	21.025	20205
31	3.15	5900	12.25	2500	5.275	11605	20.675	20005
32	3.1	5800	12.5	2600	5.275	11605	20.875	20005
33	3.15	5900	12	2400	5.275	11605	20.425	19905
34	3	5700	12	2410	5.275	11605	20.275	19715
35	3.1	5725	13	2650	5.275	11605	21.375	19980
36	3.25	5750	12.5	2575	5.275	11605	21.025	19930
37	3	5700	12	2400	5.275	11605	20.275	19705
38	3	5700	12	2410	5.275	11605	20.275	19715
39	3	5700	12	2400	5.275	11605	20.275	19705
40	3.25	5750	12.5	2600	5.275	11605	21.025	19955
41								
42								
43								
Total	121.55	229735	486.25	100630	211.00	464200	818.8	794565

RECORD OF RECIPE (MIX NO. 7B)

Building # N Windrow # 216 PERFORMED BY: _____

DATE: 12 13 01 INSPECTED BY: _____

Design Quantity: Chicken Manure_____CY _____Pounds
Straw_____CY_____Pounds
Soil_____CY_____Pounds

Batch Number	CHICKEN MANURE Supplier:_____		STRAW Supplier:_____		SOIL Location:_____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3	5220	12	2400				
2	3	5710	12	2440				
3	3	5730	12	2410				
4	3	5240	12	2430				
5	3	5720	12	2410				
6	3	5750	12	2400				
7	3 25	6000	12.50	2600				
8	3 15	5900	12.25	2500				
9	3.10	58,00	12.50	2600				
10	3.15	5900	12	2400				
11	3	57,00	12.05	2410				
12	3.10	5725	13.00	2650				
13	3.25	5750	12.50	2575				
14	3.00	5,700	12,00	2,400				
15	3.00	5,700	12.00	2410				
16	3.00	5,700	12.00	2,400				
17	3.25	5750	12.50	2,600				
Total								

Comments:

RECORD OF RECIPE (MIX NO. 7B)

Building # 1 N Windrow # 216 PERFORMED BY: _____

DATE: 12,13,01 INSPECTED BY: _____

Design Quantity: Chicken Manure 3 CY 5700 Pounds
Straw 12 CY 2400 Pounds
Soil _____ CY _____ Pounds

Batch Number	CHICKEN MANURE Supplier: _____		STRAW Supplier: _____		SOIL Location: _____		TOTAL ACTUAL QUANTITY	
	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds	cubic yards	pounds
1	3.0	5710	11.9	2390				
2	3.0	5730	12	2440				
3	3	5700	12	2410				
4	3.1	5800	11.9	2380				
5	3	5740	12	2400				
6	3	5760	12	2400				
7	3.1	5800	12	2450				
8	3	5740	12.1	2510				
9	3	5700	12.1	2640				
10	3	5750	~~11.9~~ 12	2425				
11	3	5790	12 ~~11.9~~	2420				
12	3	5730	11.9	2390				
13	3	5690	12	2400				
14	3	5740	12	2450				
15	3.1	5890	11.9	2380				
16	3	5740	12.5	2840				
17	3	5610	12.3	2690				
18	3.1	5870	12.3	2670				
19	3	5740	12.5	2810				
Total 20	3	5790	11.9	2390				
21	3	5700	12.6	2900				
22	3	5640	12.5	2840				
23	2.9	5400	12.6	2910				

Comments:

Average Daily Windrow Temperature Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (Deg C)*	*POST-Turn (Deg C)*
N216	12/3/01	12/3/01	0		30.40
		12/4/01	1	46.20	34.33
		12/5/01	2	52.40	44.60
		12/6/01	3	57.97	44.97
		12/7/01	4	59.47	55.93
		12/8/01	5	60.70	55.20
		12/10/01	7	58.90	51.73
		12/11/01	8	61.10	57.37
		12/12/01	9	64.53	59.10
		12/13/01	10	62.07	60.03
		12/14/01	11	68.23	57.60
		12/15/01	12	60.73	56.13
		12/17/01	14	60.13	56.07
		12/18/01	15	62.67	56.37
		12/19/01	16	64.47	57.30

All average temperatures are in degrees centigrade

Friday, June 28, 2002

Average Daily Windrow Oxygen Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
N216	12/3/01	12/3/01	0		15.00
		12/4/01	1	9.27	8.23
		12/5/01	2	9.80	11.40
		12/6/01	3	10.27	11.80
		12/7/01	4	11.17	13.27
		12/8/01	5	14.47	15.87
		12/10/01	7	15.13	15.43
		12/11/01	8	16.30	11.00
		12/12/01	9	13.10	10.90
		12/13/01	10	10.43	12.03
		12/14/01	11	11.37	12.17
		12/15/01	12	11.10	15.77

All average Oxygen values are expressed as a percent

Average Daily Windrow WHC Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn (%)*	*POST-Turn (%)*
N216	12/3/01	12/4/01	1		54.50
		12/7/01	4		47.14
		12/11/01	8		46.36
		12/12/01	9		50.20
		12/14/01	11		46.62

All average MWHC values are expressed in percent

Friday, June 28, 2002

Average Daily Windrow PH Summary Report

Windrow Number	*Construction Date*	*Date Monitored*	*Age (Days)*	*PRE-Turn*	*PRE-Turn*
N216	12/3/01	12/4/01	1	8.70	

All average PH values are expressed in standard units

Friday, June 28, 2002

Windrow Number: N216 *1,3,5-TRINITROBENZENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
135TNB	12/03/01	12/20/01	17	03	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*484*
135TNB	12/03/01	12/20/01	17	05	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 05 :			*484*
135TNB	12/03/01	12/20/01	17	07	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*484*
135TNB	12/03/01	12/20/01	17	09	1	LT 476	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*484*
135TNB	12/03/01	12/20/01	17	11	1	LT 476	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 17 : ***484***

Standard Deviation: ***12***

Percent Reduction of 135TNB: Not Applicable; Only one Sample Date

Windrow Number: N216 *1,3-DINITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
13DNB	12/03/01	12/20/01	17	03	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*484*
13DNB	12/03/01	12/20/01	17	05	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*484*
13DNB	12/03/01	12/20/01	17	07	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*484*
13DNB	12/03/01	12/20/01	17	09	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*484*
13DNB	12/03/01	12/20/01	17	11	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 17 : ***484***

Standard Deviation: ***12***

Percent Reduction of 13DNB: Not Applicable; Only one Sample Date

Windrow Number: N216 *2,4,6-TRINITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
246TNT	12/03/01	12/20/01	17	03	1	LT	500	
					2	LT	476	
					3		220 J	
				Average Concentration for Cross Section 03 :				*399*
246TNT	12/03/01	12/20/01	17	05	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*484*
246TNT	12/03/01	12/20/01	17	07	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*484*
246TNT	12/03/01	12/20/01	17	09	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*484*
246TNT	12/03/01	12/20/01	17	11	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 17 : ***467***

Standard Deviation: ***69***

Percent Reduction of 246TNT: Not Applicable; Only one Sample Date

Windrow Number: N216 *2,4-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
24DNT	12/03/01	12/20/01	17	03	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*484*
24DNT	12/03/01	12/20/01	17	05	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*484*
24DNT	12/03/01	12/20/01	17	07	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*484*
24DNT	12/03/01	12/20/01	17	09	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*484*
24DNT	12/03/01	12/20/01	17	11	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 17 : ***484***

Standard Deviation: ***12***

Percent Reduction of 24DNT: Not Applicable; Only one Sample Date

Windrow Number: N216 *2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
26DNT	12/03/01	12/20/01	17	03	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*484*
26DNT	12/03/01	12/20/01	17	05	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 05 :			*484*
26DNT	12/03/01	12/20/01	17	07	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*484*
26DNT	12/03/01	12/20/01	17	09	1	LT 476	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*484*
26DNT	12/03/01	12/20/01	17	11	1	LT 476	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 17 : ***484***

Standard Deviation: *12*

Percent Reduction of 26DNT: Not Applicable; Only one Sample Date

Windrow Number: N216 *2-AMINO-4,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
2A46DT	12/03/01	12/20/01	17	03	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*484*
2A46DT	12/03/01	12/20/01	17	05	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*484*
2A46DT	12/03/01	12/20/01	17	07	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*484*
2A46DT	12/03/01	12/20/01	17	09	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*484*
2A46DT	12/03/01	12/20/01	17	11	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 17 : ***484***

Standard Deviation: ***12***

Percent Reduction of 2A46DT: Not Applicable; Only one Sample Date

Windrow Number: N216 *2-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
2NT	12/03/01	12/20/01	17	03	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*484*
2NT	12/03/01	12/20/01	17	05	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 05 :			*484*
2NT	12/03/01	12/20/01	17	07	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*484*
2NT	12/03/01	12/20/01	17	09	1	LT 476	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*484*
2NT	12/03/01	12/20/01	17	11	1	LT 476	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 17 : ***484***

Standard Deviation: ***12***

Percent Reduction of 2NT: Not Applicable; Only one Sample Date

Windrow Number: N216 *3-NITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
3NT	12/03/01	12/20/01	17	03	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*484*
3NT	12/03/01	12/20/01	17	05	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*484*
3NT	12/03/01	12/20/01	17	07	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*484*
3NT	12/03/01	12/20/01	17	09	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*484*
3NT	12/03/01	12/20/01	17	11	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 17 : 484

Standard Deviation: 12

Percent Reduction of 3NT: Not Applicable; Only one Sample Date

Windrow Number: N216 *4-AMINO-2,6-DINITROTOLUENE Results*

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*		UGKG
4A26DT	12/03/01	12/20/01	17	03	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*484*
4A26DT	12/03/01	12/20/01	17	05	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*484*
4A26DT	12/03/01	12/20/01	17	07	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*484*
4A26DT	12/03/01	12/20/01	17	09	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*484*
4A26DT	12/03/01	12/20/01	17	11	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 17 : ***484***

Standard Deviation: *12*

Percent Reduction of 4A26DT: Not Applicable; Only one Sample Date

Windrow Number: N216 *4-NITROTOLUENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
4NT	12/03/01	12/20/01	17	03	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 03 :			*484*
4NT	12/03/01	12/20/01	17	05	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 05 :			*484*
4NT	12/03/01	12/20/01	17	07	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*484*
4NT	12/03/01	12/20/01	17	09	1	LT 476	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*484*
4NT	12/03/01	12/20/01	17	11	1	LT 476	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 17 : 484

Standard Deviation: 12

Percent Reduction of 4NT: Not Applicable; Only one Sample Date

Windrow Number: N216 *HMX Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
HMX	12/03/01	12/20/01	17	03	1	LT	500	
					2		87.5 J	
					3		178 J	
				Average Concentration for Cross Section 03 :				*255*
HMX	12/03/01	12/20/01	17	05	1	LT	500	
					2		362 J	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*446*
HMX	12/03/01	12/20/01	17	07	1	LT	500	
					2		56.1 J	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*344*
HMX	12/03/01	12/20/01	17	09	1	LT	476	
					2		111 J	
					3		232 J	
				Average Concentration for Cross Section 09 :				*273*
HMX	12/03/01	12/20/01	17	11	1	LT	476	
					2		159 J	
					3		202 J	
				Average Concentration for Cross Section 11 :				*279*

Average Concentration for Windrow on Day 17 : 319

Standard Deviation: 176

Percent Reduction of HMX: Not Applicable; Only one Sample Date

Windrow Number: N216 *NITROBENZENE Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration	UGKG
NB	12/03/01	12/20/01	17	03	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 03 :			*484*
NB	12/03/01	12/20/01	17	05	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 05 :			*484*
NB	12/03/01	12/20/01	17	07	1	LT	500
					2	LT	476
					3	LT	476
				Average Concentration for Cross Section 07 :			*484*
NB	12/03/01	12/20/01	17	09	1	LT	476
					2	LT	500
					3	LT	476
				Average Concentration for Cross Section 09 :			*484*
NB	12/03/01	12/20/01	17	11	1	LT	476
					2	LT	476
					3	LT	500
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 17 : 484

Standard Deviation: 12

Percent Reduction of NB: Not Applicable; Only one Sample Date

Windrow Number: N216 ***RDX Results***

Compound	*Construction Date*	*Date Sampled*	*DaysOld*	*CrossSection*	*Location*	*Concentration*	UGKG
RDX	12/03/01	12/20/01	17	03	1	LT 500	
					2	LT 476	
					3	1620	
				Average Concentration for Cross Section 03 :			*865*
RDX	12/03/01	12/20/01	17	05	1	LT 500	
					2	453 J	
					3	LT 476	
				Average Concentration for Cross Section 05 :			*476*
RDX	12/03/01	12/20/01	17	07	1	LT 500	
					2	LT 476	
					3	LT 476	
				Average Concentration for Cross Section 07 :			*484*
RDX	12/03/01	12/20/01	17	09	1	LT 476	
					2	LT 500	
					3	LT 476	
				Average Concentration for Cross Section 09 :			*484*
RDX	12/03/01	12/20/01	17	11	1	LT 476	
					2	LT 476	
					3	LT 500	
				Average Concentration for Cross Section 11 :			*484*

Average Concentration for Windrow on Day 17 : ***559***

Standard Deviation: ***294***

Percent Reduction of RDX: Not Applicable; Only one Sample Date

Windrow Number: N216 *TETRYL Results*

Compound	Construction Date	Date Sampled	DaysOld	CrossSection	Location	Concentration		UGKG
TETRYL	12/03/01	12/20/01	17	03	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 03 :				*484*
TETRYL	12/03/01	12/20/01	17	05	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 05 :				*484*
TETRYL	12/03/01	12/20/01	17	07	1	LT	500	
					2	LT	476	
					3	LT	476	
				Average Concentration for Cross Section 07 :				*484*
TETRYL	12/03/01	12/20/01	17	09	1	LT	476	
					2	LT	500	
					3	LT	476	
				Average Concentration for Cross Section 09 :				*484*
TETRYL	12/03/01	12/20/01	17	11	1	LT	476	
					2	LT	476	
					3	LT	500	
				Average Concentration for Cross Section 11 :				*484*

Average Concentration for Windrow on Day 17 : *484*

Standard Deviation: *12*

Percent Reduction of TETRYL: Not Applicable; Only one Sample Date