N62604.AR.001851
NCBC GULFPORT
5090.3a

TRANSMITTAL LETTER FOR VARIETY OF DATA SHEETS USED DURING ROUTINE OPERATIONS NCBC GULFPORT MS
1/4/1988
IDAHO NATIONAL ENGINEERING LABORATORY

Idaho National Engineering Laboratory

January 4, 1988

Ms. Carone Falconer
EPA Region IV
345 Cortland St. NE
Atlanta, GA 30365

TRANSMITTAL OF EXAMPLE DAILY NCBC OPERATION DATA DJH-01-88

Dear Ms. Falconer:

Attached is a variety of example data sheets that we use during routine operations at NCBC. The first sheet of the attachment serves as an index to the subsequent sheets. You requested this information during your recent visit to NCBC on December 16.

During that visit you also asked how we track ash bins to assure that we don't backfill any ash before analytical results show it to be below the levels of concern. The answer to that inquiry is as follows:

> Each bin is uniquely numbered. When the bin is sampled, that identification number, in addition to the date of sample collection, is incorporated into the unique sample number. The sample number is recorded on the sample jar and on the chain of custody.
>
> In addition to discrete ash bin samples, a portion of the ash bin sample is composited with other ash bin samples collected on the same day. The composite sample has a unique sample number which includes the date of collection. The composite sample is analyzed for 2,3,7,8- TCDD, total TCDD, and total TCDF per the permit specifications. If the analysis for the composite sample obtained on a particular day shows a positive detection, then the discrete aliquots for the same day will be analyzed to determine which sample, and hence which bin, is contaminated. When the contaminated bin is

discovered, the contents of that bin will be reprocessed. The contents of the remaining bins will be backfilled on-site.

If you have any additional questions, please call me at (FTS) 583-9959.

Very truly yours,

Daniel J. Haley

Daniel J. Haley
Sr. Programs Specialist
Hazardous Waste Projects

cc: Maj. T. L. Stoddart
J. H. Nelson, EG&G Idaho
J.O. Zane, EG&G Idaho (w/o Attach)

INDEX TO ATTACHMENTS

Attachment	Description
A	Operational Data Review and Certification (checklist)
B	Sample Data Review and Certification (checklist)
C	PUF Sample Chain of Custody
D	Hi Vol Chain of Custody
E	Air Sampler Location Map
F	Ambient Air Monitoring Data Sheet
G	Mini Ram Data Sheet
H	Ash Sample Chain of Custody Sheet
I	Soil Sample Chain of Custody Sheet
J	DAS print out. (one sheet only)
K	Hourly Process Data Record
L	Manual Weigh Hopper Data Sheet
M	Shift Inspection Checklist
N	Daily Instrument Inspection Checklist
O	Weekly Inspection Checklist

AIR FORCE INCINERATION PROJECT - NCBC

OPERATIONAL DATA REVIEW AND CERTIFICATION

DATE _____

DATA	DATE RECEIVED	REVIEWED BY
Operators Log Book		
Shift Supervisors Log Book		
Excavation & Backfill Log Book		
Operator Hourly Data Log		
Strip Charts		
Calibration Sheets		
Maintenance Check List		
Scheduled Maintenance Forms		
Unscheduled Maintenance Forms		
DAS Printouts		
DAS Floppy Disk		

Comments: _____

_____ _____

Air Force Certification Official Date

ATTACHMENT A

AIR FORCE INCINERATION PROJECT - NCBC

SAMPLE DATA REVIEW AND CERTIFICATION

DATE_____

DATA	SOURCE	DATE REC'D	REVIEWED BY
AMBIENT AIR DATA SHEET	VERSAR		
STRIP CHARTS	VERSAR		
SITE MAPS	VERSAR		
FIELD LOG SHEET	VERSAR		
CHAIN OF CUST.-PUF-ORGNL.	VERSAR		
CHAIN OF CUST.-HV-ORGNL.	VERSAR		
CHAIN OF CUST.-PUF-RSLTS.	ENVIRO.		
CHAIN OF CUST.-HV-RSLTS.	VERSAR		
MINI RAM DATA	ENSCO		
CASSETTE AIR MONTRG. DATA	ENSCO		
CHAIN OF CUST.-SOIL-ORGNL.	ENSCO		
CHAIN OF CUST.-SOIL-RSLTS.	LABS		
CHAIN OF CUST.-ASH-ORGNL.	ENSCO		
CHAIN OF CUST.-ASH-RSLTS.	LABS		
CHAIN OF CUST.-WATER-ORGNL.	ENSCO		
CHAIN OF CUST.-WATER-RSLTS.	LABS		
CHAIN OF CUST.-FEED-ORGNL.	ENSCO		
CHAIN OF CUST.-FEED-RSLTS.	LABS		

COMMENTS_____

_____

_____ _____

AIR FORCE CERTIFICATION OFFICIAL DATE

Attachment B

Versar INC.

CHAIN OF CUSTODY RECORD

PROJECT NO.	PROJECT NAME	INDUSTRIAL HYGIENE SAMPLE Y / N
5036.3.2	Eg+g Decom, NCBC-Gulfport, MS	

SAMPLERS: (Signature) H. Clarkson Meredith III (Printed) H. Clarkson Meredith III

PARAMETERS: NO. OF CONTAINERS; 2378 TCDD; Archive

REMARKS: Laboratory Results (pg/m³)

FIELD SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	[redacted] Volume Air Sampled (m³)	NO. OF CONTAINERS	2378 TCDD	Archive							REMARKS
PA1121687	12/17		✓		412.9 m³	1	✓	✓							
PB2121687	"		✓		407.9	1	✓	✓							
PC2121687	"		✓		391.9	1	✓								
PD2121687	"		✓		415.5	1	✓	✓							
PE2121687	"		✓		411.9	1	✓	✓							

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
H. Clarkson Meredith III	12/17/87 1415				
(Printed) H. Clarkson Meredith III		(Printed)	(Printed)		(Printed)

Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks
(Printed)		(Printed)		

Distribution: Original Plus One Accompanies Shipment (white and yellow); Copy to Coordinator Field Files (pink).

Attachment C

Versar INC.

CHAIN OF CUSTODY RECORD

PROJECT NO.	PROJECT NAME	INDUSTRIAL HYGIENE SAMPLE (Y / N)
5036.3.2	Eg+g Decon, NCBC Gulfport, Ms	

SAMPLERS: (Signature) H. Clarkson Meredith III

(Printed) H. Clarkson Meredith III

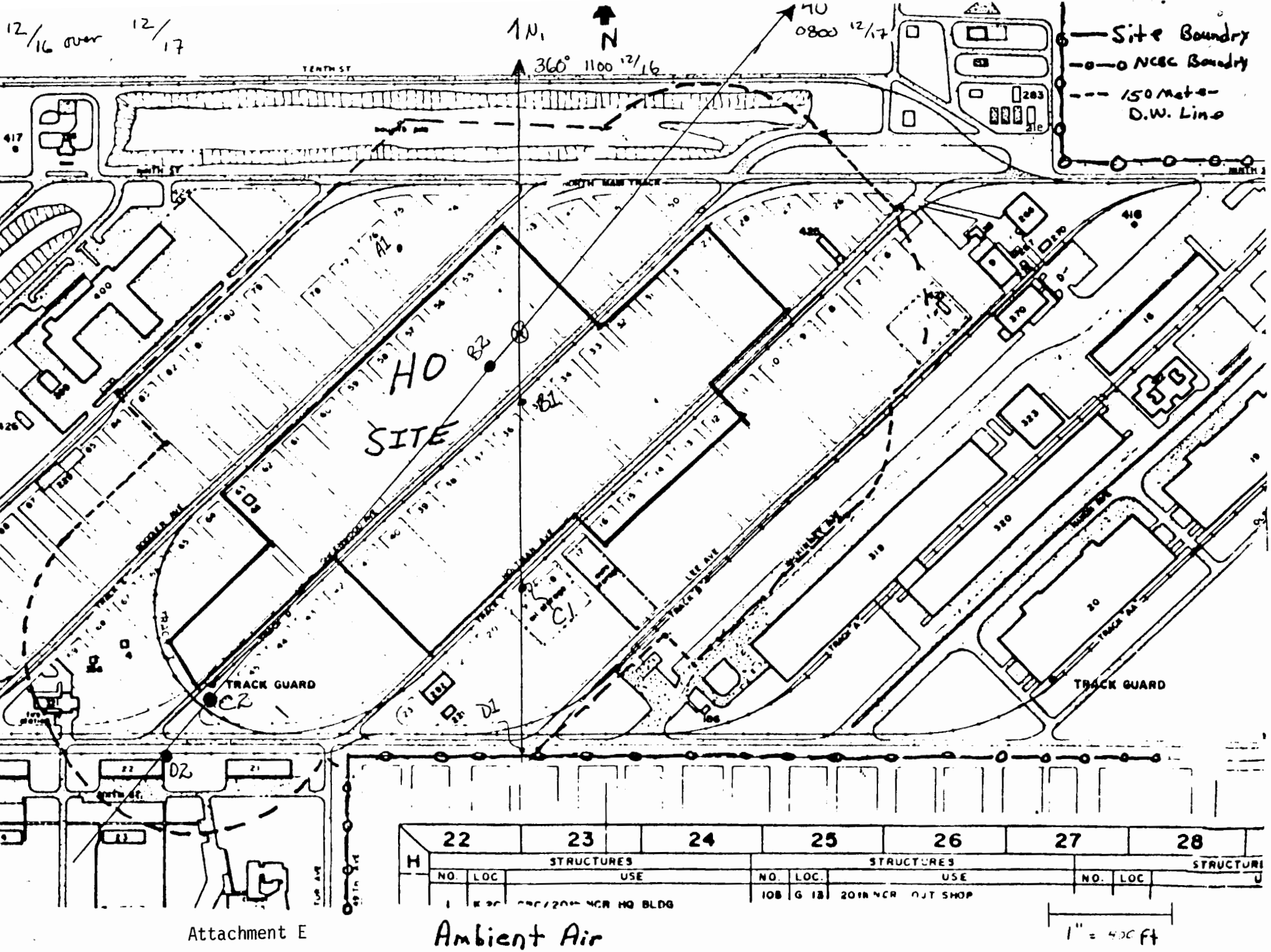
FIELD SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	[redacted] Volume Air Sampled (m^3)	NO. OF CONTAINERS	PARAMETERS: Total Particulates								REMARKS: Filter No	Laboratory Results (mg/m^3)
HA1121687	12/17				1637.1 m^3	1	✓								56	
HC2121687	12/17				2056.2	1	✓								55	

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
(Printed)		(Printed)	(Printed)		(Printed)

Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks
(Printed)		(Printed)		

Distribution: Original Plus One Accompanies Shipment (white and yellow); Copy to Coordinator Field Files (pink).

Attachment D



Attachment E

Ambient Air

AME : AIR MONITORING DATA SHEET

DATE 17 Dec '87

SITE Eg+g Decon, Gulfport, Ms

BY H. Clarkson Mendiola

SAMPLE NUMBER	[redacted]	START TIME 12/16	FINISH TIME 12/17	TOTAL TIME Counter min.	Average [redacted] FLOW RATE cfm	[redacted]	TOTAL VOLUME SAMPLED m^3
PA1121687		1150	1325	1445.0	10.1		412.9
PB2121687		1120	1104	1441.9	10.0		407.9
PC2121687		1105	1119	1427.9	9.7		391.9
PD2121687		1135	1055	1439.9	10.2		415.5
PE2121687		1105	1119	1427.4	10.2		411.9
HA1121687		1150	1325	1446.6	40		1637.1
HC2121687		1105	1119	1425	51		2056.2

REMARKS: Only one wind shift resulting in two sets of station locations

1. 360° 1100 hrs 12/16
2. 40° 0800 hrs 12/17

Attachment F

ensco environmental services
a division of environmental systems company

FIELD SAMPLING DATA SHEET

Date: 12-15-87 Project Number: _____

Weather Conditions: PARTLY CLOUDY, STRONG WINDS, COOL

Site Operations: EXCAVATION OF CONTAMINATED SOIL, UTILIZATION OF PLANER, LOADER, DOZER, DUMP TRUCK

Type of Sampling Equipment: DUST MONITOR

Time	Location	Results	Units	Comments
1:17	20YDS DOWN WIND OF EXCAVATION AREA "B"	24/15 min x .01	.016 mg/m³	PLANER + DOZER OPERATING
1:35	20YDS UP WIND OF EXCAVATION AREA "A"	10/15 min	.006 mg/m³	" "
1:52	30YDS DOWN WIND OF EXCAVATION "B"	17/15 min	.011	" "
2:10	20YDS UP WIND "A"	11/15 min	.007	FRONT END LOADER
2:28	30YDS DOWN WIND "B"	10/15 min	.006	FRONT END LOADER DOZER DUMP TRUCK
2:45	10YDS UP WIND "A"	12/15 min	.008	" "
3:01	15YDS DOWN WIND "B"	16/15 min	.01	" "
3:17	20YDS UP WIND "A"	11/15	.007	
3:35	25YDS DOWN WIND "B"	23/15 min	.015	" "

• ELDORADO, AR
• WHITE BLUFF, TENN
• BATON ROUGE, LOUISIANA

60 John Glenn Drive, Suite 104
Audubon Industrial Park, North Tonawanda, N.Y. 14120
(716) 691-7211

• LITTLE ROCK, AR
• N. TONAWANDA, N.Y.

Attachment G

U.S. Testing ASH

COPY

ENVIRODYNE ENGINEERS
~~1815 Lockland Rd.~~
~~St. Louis, MO 63146~~
~~(314) 434-8900~~

CUSTODY TRANSFER RECORD/LABORATORY WORK REQUEST

PROJECT NUMBER: Cole Orange DATE WORK IN: _____ REPORT TO: _____ Page 1 of 1

REQUESTED BY: EG&G RECEIVED BY: _____ DATE REQUIRED: _____

SPECIAL INSTRUCTIONS: Item 1 thru 4 To be 3 days turnaround
Items 5 thru 14 To be Archive

ITEM	LAB NO.	SITE CODE/ SAMPLE DESCRIPTION	DATE COLLECTED	PRESERV.	CONTAINER	8325 TCLD	TAR TCLD	TAR TCLD								COMMENTS
1	SB0J121687		12-16-87		1	✓	✓	✓								Jar Extraction
2	SB0S121687		12-16-87		1	✓	✓	✓								Soxhelet Extraction
3	SB0J121787		12-17-87		1	✓	✓	✓								Jar Extraction
4	SB0S121787		12-17-87		1	✓	✓	✓								Soxhelet Extraction
5	SA54121687		12-16-87		1											
6	SA56121687		12-16-87		1											
7	SA62121687		12-16-87		1											
8	SA74121687		12-16-87		1											
9	SA79121687		12-16-87		1											
10	SA55121787		12-17-87		1											
11	SA64121787		12-17-87		1											
12	SA67121787		12-17-87		1											
13	SA70121787		12-17-87		1											
14	SA83121787		12-17-87		1											Air Bill no.
15			KL													4384730862
16																

ITEMS TRANSFERRED	RELINQUISHED BY	Date	Time	RECEIVED BY	Date	Time	REASON for TRANSFER
	Randall Lodney	12-17-87	AM				

DISTRIBUTION: WHITE - Sample Custodian PINK - Project Manager
YELLOW - Records GOLD - Field Copy

Attahment H

Attachment I

SOIL

COPY

ENVIRODYNE ENGINEERS
12161 Lockland Rd.
ST. Louis, MO 63146
(314) 434-6960

CUSTODY TRANSFER RECORD/LABORATORY WORK REQUEST

PROJECT NUMBER: Code Orange DATE WORK IN: _____ REPORT TO: _____ Page 1 of 2

REQUESTED BY: EG&G RECEIVED BY: _____ DATE REQUIRED: _____

SPECIAL INSTRUCTIONS: Item 6 thru 12 To be charged To EG&G account # 823920602

SAMPLE IDENTIFICATION						ANALYSES REQUESTED										
ITEM	LAB NO.	SITE CODE/ SAMPLE DESCRIPTION	DATE COLLECTED	PRESERV.	CONTAINER	2,3,7,8 TCDD										COMMENTS
1	0499		12-14-87		1	✓										3 days turnaround
2	0500		12-14-87		1	✓										3 days turnaround
3	0501		12-14-87		1	✓										3 days turnaround
4	0502		12-14-87		1	✓										3 days turnaround
5	0503		12-14-87		1	✓										3 days turnaround
6	0509		12-15-87		1	✓										3 days turnaround
7	0510		12-15-87		1	✓										3 days turnaround
8	0511		12-15-87		1	✓										3 days turnaround
9	0512		12-15-87		1	✓										
10	0513		12-16-87		1	✓										
11	0514		12-16-87		1	✓										
12	0515		12-16-87		1	✓										
13	0516		12-16-87		1	✓										
14	0517		12-16-87		1	✓										Air Bill no
15	0518		12-16-87		1	✓										4742[illegible]93
16	0519		[illegible]		1	✓										

ITEMS TRANSFERRED	RELINQUISHED BY	Date	Time	RECEIVED BY	Date	Time	REASON for TRANSFER

DATE: 12-16-1987 ENSCO MODULAR OPERATIONS, UNIT 3 TIME: 06:15:00

KILN			BOILER			SCRUBBER		
Clean Fuel->	0.0	#/mn	Outlet Temp>	455	degF	Inlet Temp-->	171	degF
Soil Moist->	6.4	%	Drum level->	63.5	%	Jet Steam--->	123.0	psig
Comb. Air-->	116.8	#/mn	Boiler Feed>	41.3	GPM	Recirc Flow-->	43.[illegible]	GPM
Natural Gas>	12285	scfh	Out. Draft->	11.14	iH20	Raw H20 Mkup>	0.1	GPM
Exit O2---->	3.4	%	Drum Temp-->	399	degF	Jet Draft--->	15.88	iH20
Outlet Temp>	1538	degF	Drum Press->	224.8	psig	Scrubber PH->	5.3	pH
Out. Draft->	0.30	iH20	QUENCH SYSTEM			DEMISTER		
Auger------>	7.02	RPM	Recir. Flow->	74.3	GPM	Outlet Temp->	191	degF
Kiln------->	2.90	RPM	Recirc. PH->	5.8	pH	Diff. Press->	0.00	iH20
SECONDARY			Out. Draft->	12.16	iH20	STACK		
Clean Fuel->	0.0	#/mn	RETENTION			Outlet Temp->	188	degF
Waste Fuel->	0.0	#/mn	Ret. Time-->	1.97	sec	Outlet CO--->	22	ppm
Comb. Air-->	159.6	#/mn	PACKED TOWER			Outlet CO2-->	8.8	%
Natural Gas>	16[illegible]	scfh	N.T. Recir->	0.0	GPM	Outlet O2--->	8.3	%
Outlet Temp>	2220	degF	Tot. Recir->	176.9	GPM	Cond. PH---->	4.3	pH
Out. Draft->	3.61	iH20	Fresh Mkup->	0.1	GPM	Cmb. Eff->	99.9754	%
			Level------>	100.0	%	INTERLOCKS		
Avg. Solids>	0.00	T/hr	Inlet Temp->	175	degF	.....		
Tot. Solids>	0.45	tons	Out. Draft->	15.61	iH20	Log Interval:	15	min

TOTALIZERS: Start Time: 06:00:01		
Auger Off Time--------->	0	Min
Auger Revolutions------>	103	Rev
Secondary Clean Fuel--->	0.0	lbs
Secondary Waste Fuel--->	0.0	lbs
Kiln Natural Gas------->	3009.1	scf
Kiln Waste Water------->	0.0	lbs
Secondary Natural Gas-->	4150.8	scf
Secondary Waste Water-->	0.0	lbs
Scrubber Raw H20 Makeup>	1.2	gal
Tower Fresh H20 Makeup->	1.2	gal

AVERAGES: Interval: 15 min		
Kiln Outlet Temperature>	1546	degF
Secondary Outlet Temp.->	2214	degF
Stack Outlet O2-------->	8.4	%
Stack Outlet CO-------->	22	PPM

Ensco
Environmental Service Co.

[illegible] Interlocks Recorded in Last 15 Minutes

Attachment J

MODULAR OPERATIONS DIVISION
UNIT 3 PROCESS DATA RECORD
NCBC - GULFPORT

Page No.-

DATE: 12-16-87
SHIFT: B - DAY
OPERATOR: RICKY - GENE

PARAMETERS	6:00	7:00	8:00	9:00	10:00	11:00	12:00	1:00	2:00	3:00	4:00	5:
SOIL MOISTURE ANALYZER (KILN) SOLID FEEDS		1.9			1.9	1.7						
SOIL MOISTURE OVEN	6.4	6.4	6.4	6.4	6.4	5.4	5.4	5.4	5.4	6.0	6.0	6.0
TOTALIZER LB.	39.07	2.55	3.60	10.36	14.71	17.96	20.46	26.43	30.00	32.98	36.	
TOTALIZER HR	3.97	3.70	3.48	3.87	4.44	—	2.79	0	3.81	3.48	3.88	DN
[redacted] ([redacted]) EXIT O2 %	4.4	1.2	5.9	2.0	1.7	2.2	3.7	1.7	1.4	1.5	1.6	3.
AUGER RPM	7.0	8.8		9.1	9.7	off	10.1	0	9.4	9.4	9.4	DN
FAT. GAS FLOW SCFH	12294	12363	12898	14441	15000	12667	13420	14725	13571	13676	14135	1011
COMBUSTION AIR FLOW LB/MIN	127	128	125	146	132	132	131	124	116	135	145	12
OUTLET GAS TEMP °F	1545	1448	1478	1480	1583	1617	1571	1414	1456	1465	1625	166
KILN TEMP.												
NO. 1 °F	430	420	420	430	420	400	330	320	326	326	330	40
NO. 2 °F	430	430	430	430	430	420	330	350	330	310	330	43
NO. 3 °F	460	460	450	440	340	360	370	420	420	360	360	46
NO. 4 °F	430	430	440	440	420	380	330	360	340	300	340	41
NO. 5 °F	450	460	450	440	340	350	350	390	390	340	330	45
OUTLET DRAFT IN. WC	.37	.21	.25	.24	.28	.20	.16	.26	.25	.25	.25	.2
KILN ROTATION RPM	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.
ASH REMOVAL												
ASH BIN NO.	62	62	62	62	62	74	74	74	74	74	70	76
ASH COLORATION ABCDE												
CYCLONES												
WATER PRESSURE PSIG												
OUTLET GAS TEMPERATURE °F	—	out	—	—	—	—	—	—	—	—	—	—
OUTLET DRAFT IN. WC												
GAS PRESSURE DROP (CALC) IN. WC												
(SECONDARY COMBUSTOR)												
COMBUSTION AIR FLOW LB/MIN.	152	155	160	160	166	166	171	149	138	132	146	13
OUTLET GAS TEMPERATURE °F	2210	2246	2260	2268	2222	2248	2212	2183	2217	2208	2191	22
NATURAL GAS FLOW SCFH	17004	16784	16733	16894	14674	16564	16952	14015	13788	13943	15372	156
KILN TEMPERATURE NO. 1 °F	312	321	301	273	265	270	270	279	280	284	286	32
NO. 2 °F	326	316	316	290	293	299	303	310	310	308	301	33
NO. 3 °F	345	338	350	352	360	365	373	382	385	375	384	366
NO. 4 °F	377	373	357	346	334	335	339	346	348	356	357	37
NO. 5 °F	306	320	319	288	282	284	285	296	295	300	296	31.

Attachment K

ENSCO Environmental Services, Inc.

NCBC Code Orange

Weigh Hopper Log Sheet

Date: 12-16-87

Control Room

Time	Loaded Wt.	Empty Wt.	Init.	Net Wt. *	Min. *	Lb/min. *
0618	7280	60	RS	7220	57	126.7
0715	7600	40	RS	7560	56	135.0
0811	8840	35	RS	8805	68	129.5
0919	8250	25	RS	8225	61	134.83
1020	7260	50	RS	7210	84	85.83
1144	7190	45	RS	7145	45	158.77
1229	7410	15	RS	7395	52	142.21
1321	8000	35	RS	7965	54	147.5
1415	7655	35	RS	7620	59	129.2
1514	8625	50	RS	8575	60	142.92
1614	2855	35	RS	2820	19	148.4
1633	7820	5990	MD	1830	87	21.03
1800	5990	65	MD	5925	45	131.67
1845	9120	20	JR	9100	70	130.0
1955	8740	15	JR	8725	60	145.4
2055	7920	40	MD	7880	65	121.23
2200	6855	30	MD	6825	45	151.67
2245	7680	10	JR	7670	75	102.3
2400	8160	115	JR	8045	65	123.8
0105	7285	20	MD	7865	70	112.36

*To be filled out in control room.

Attachment L

ENSCO Environmemtal Services, Inc.
MOD Unit 3, NCBC Code Orange
Gulfport, Ms

Shift Inspection Checklist

Item	Check For	Condition OK	Condition Repair	Checked By
Item				
A. Kiln:				
Weigh Hopper Scale	Zero, empty	____	_____	_____
Liquid waste & fuel feed lines	Leaks	____	_____	_____
Pump/strainers on waste fuel feed	Change pumps clean strainer	____	_____	_____
Pump/strainer on wastewater feed	Change pumps clean strainer	____	_____	_____
Combustion air blower	Vibrations bad bearings	____	_____	_____
Feed Conveyor	Belt slack, dirt build up underneath	____	_____	_____
Feed Auger	Hydraulic leaks mechanical problems, sump fluid level Temp.°F.__Press.,psig_____	____	_____	_____
Rotation Drive	Hydraulic leaks mechanical problems, sump fluid level Temp.°F.__Press.,psig_____	____	_____	_____
Exit end sight glass	Clean	____	_____	_____
Trunnion Rollers and bearings	Wear, noise (Lubricate)	____	_____	_____
Ash Drag Drive	Hydraulic leaks, mechanical problems sump fluid level Temp.,°F.__Press.,psig___	____	_____	_____
Outlet Oxygen Analyzer	Power on, sample flow 2scfh	____	_____	_____

Item	Check For	Conditions O.K	Repairs	Checked By
B. Secondary Combustor:				
Liquid waste & fuel feed lines	Leaks	____	_____	_____
Pump /Strainer on waste fuel feed	Change pumps, clean strainer	____	_____	_____
Pump/Strainer on wastewater feed	Change pumps, clean strainer	____	_____	_____
Combustion Air Blower	Vibrations bad bearings	____	_____	_____
Burner (If Buring waste fuel or wastewater)	Clean Center tube	____	_____	_____
End and side sight glasses.	Clean	____	_____	_____
Ash accumulation	Level _____%	____	_____	_____
C. Tee & Boiler:				
Water Injection To Tee	Pump OK, check for leaks Press., psig____	____	_____	_____
Steam drum sight glass	Blow down, check for leaks	____	_____	_____
Steam Drum Level transmitter	Blow down	____	_____	_____
Boiler Bottom Drains	Blow down	____	_____	_____
Boiler Feed Pumps	Vibration, bad bearings	____	_____	_____
Feed Pump Suction strainer	High differental blow if required	____	_____	_____
Boiler Water and Treated Water Samples	Controls within limits	____	_____	_____
Boiler Chemicals Pumps/Tanks	Operation OK no leaks	____	_____	_____

Item	Check For	Condition OK	Condition Repair	Checked By
D. Quench, ENT and Packed Tower:				
Quench Pumps, Effluent Pumps	Vibrations bad bearings seal leaks	____	____	_____
Quench & Packed Tower Piping	Leaks	____	____	_____
Sludge in ENT	Pumps to settling tank	____	____	_____
E. Scrubber and Stack:				
Steam and Scrubber Water Piping	Leaks	____	____	_____
Steam Trap on Line To Jet	Blow down	____	____	_____
Scrubber Recirc. Pumps	Vibrations, leaks, bad bearings	____	____	_____
pH Electrode in Scrubber	Calibration (days)	____	____	_____
pH Electrode in Stack Condensate	Calibration (days)	____	____	_____
Instrument/Service Air Compressor	Unusual noise, vibration	____	____	_____
Air Tanks (2)	Drain condensate	____	____	_____
Instrument Air Header Pots	Drain condensate	____	____	_____
F. Other:				
POTW Tanks/Adsorber/ Pumps	Leaks, water in dike/berm	____	____	_____
Emergency Generator	Start (days)	____	____	_____
Bulk Liquid Storage	Leaks, bungs open, water in berms	____	____	_____

Item	Check For	Condition OK	Condition Repair	Checked By
F. Other (Cont.)				
Dirt Storage Area	Fugitive dust (cover in high winds)	____	_____	_____
Trash Solids Storage Area	Leaking containers	____	_____	_____
Drummed Liquid/Solid Waste Storage Area	Leaks, water in berm	____	_____	_____
Ash Rolloff Boxes	Covered, leaks	____	_____	_____

DAILY/INSTRUMENT/INSPECTION

Name _____ date _____

ROTARY KILN	Meter Reading	Inst,Reading
Waste feed to burner,lb/min 0-30/lbs/min (read ma)	N/A	N/A
Clean fuel feed,Nat Gas 0-1400scfh (read ma)		
Sludge feed, lb/min	N/A	N/A
Waste water feed, lb/min 0-75/lbs/min (read ma)	N/A	N/A
Combustion air/ lb/min 0-243/lbs/hr (read ma)		
Kiln outlet draft 0-2"h20 (read ma)		
Outlet gas temp, 0-3000 f (read mv)		
Liquid waste feed 0-30/lbs/min (read ma)	N/A	N/A
Solid waste feed system (visual)		
TV camera / ash drag (clean)		
Weigh hopper (zero)		

"note" If calibration is needed use Instrument Calibration Sheet.

Comments _____

_____

_____

_____

_____

Supervisor _____

Attachment N

DAILY / INSTRUMENT / INSPECTION

Name _____ Date _____

SECONDARY	Meter Reading	Inst, Reading
Waste feed system 0-30/lbs/min (read ma)	N/A	N/A
Clean fuel feed 0-30/lbs/min (read ma)	N/A	N/A
Waste water feed 0-30/lbs/min (read ma)	N/A	N/A
Combustion air 0-414/lbs/hr (read ma)		
Delta P, trans/outlet 0-10"h2o (read ma)		
Outlet temperature 0-3000 (read mv)		
Oxygen,(%) stack. 0-25% (read ma)		
Kiln outlet oxygen (%) 0-25% (read ma)		
Carbon monoxide 0-100 ppm (read ma)		
Carbon dioxide 0-20% (read ma)		
Liquid waste feed 0-75/lbs/min (read ma)	N/A	N/A
Nat, gas flow 0-2400/scfh (read ma)		

"note" If calibration is needed use Instrument Calibration Sheet

Comments _____

_____

_____

Supervisor _____

DAILY / INSTRUMENT / INSPECTION

Name _____ Date _____

BOILER & D/A TANK	Meter Reading	Inst, Reading
Inlet temp 0-3000 f (read mv)	_____	_____
Inlet delta p (magnehelic)	_____	_____
Steam pressure trans 0-300 psig (read ma)	_____	_____
Level trans 0-17.2"h2o (read ma)	_____	_____
Delta P, trans/outlet 0-20"h2o (read ma)	_____	_____
Outlet temperature 0-750 f(read mv)	_____	_____
D/A temp (visual)	_____	_____
D/A steam press (visual)	_____	_____
Boiler feed water 0-100"h2o (read ma)	_____	_____
D/A level trans 0-30"h2o (read ma)	_____	_____
Steam drum temp 0-750 f(read mv)	_____	_____

"note" If calibration is needed use Instrument Calibration Sheet

Comments _____

_____

_____

Supervisor _____

DAILY / INSTRUMENT / INSPECTION

Name _____ Date _____

SCRUBBER SYSTEM	Meter Reading	Inst, Reading
Inlet temp/packed tower		
0-750 f (read mv)	_____	_____
Packed tower inlet delta/p		
0-30"h2o (read ma)	_____	_____
Quench rec flow trans		
0-200gpm (read ma)	_____	_____
Level trans/quench tank		
0-33.8"h2o (read ma)	_____	_____
Delta P, trans/packed tower		
0-20"h2o (read ma)	_____	_____
Outlet temperature packed tower		
0-750 f (read mv)	_____	_____
Quench recir /PH/0-14		
(read ma & buffer)	_____	_____
Packed tower recir flow		
0-200gpm (read ma)	_____	_____
Jet draft trans		
0-50"h2o (read ma)	_____	_____
Scrubber recir flow trans		
0-150"h2o (read ma)	_____	_____
Scrubber recir /PH/0-14		
(read ma & buffer)	_____	_____
Scrubber level trans		
0-18.9"h2o (read ma)	_____	_____
Demister delta/p		
0-20"h2o (read ma)	_____	_____
Stack cond/PH/0-14		
(read ma & buffer)	_____	_____
Sample system pump press		
	_____	_____

"note"If calibration is needed use Instrument Calibration Sheet

Comments _____

_____

_____

Supervisor _____

MODULAR OPERATIONS DIVISION

WEEKLY INSPECTION CHECKLIST

NCBC-GULFPORT

Week ending: Operator:

ITEM	CHECKED BY	COMMENTS
Visually inspect burners externally for signs of leakage, wear, or overheating.	_____	_____
Waste fuel strainer cleaned (as needed)	_____	_____
S Clean fuel strainer cleaned (as needed)	_____	_____
S Kiln hydraulic oil level O.K. ?	_____	_____
S Kiln hydraulic oil appearance O.K.?	_____	_____
S Kiln hydraulic temp	_____	_____
S Kiln hydraulic pressure	_____	_____
S Are there any leaks in the hydraulic system?	_____	_____
S If yes, where?	_____	
S Auger cooling water pressure	_____	_____
S Auger cooling water temperature	_____	_____
S Auger hydraulic oil level O.K. ?	_____	_____
S Auger hydraulic oil appearance O.K. ?	_____	_____
S Auger feed hydraulic temp	_____	_____
S Auger feed hydraulic pressure	_____	_____

Are there any leaks in the hydraulic system?	----------	----------
If yes, where?	----------	
Ash drag hydraulic oil level O.K. ?	----------	----------
Ash drag hydraulic oil appearance O.K. ?	----------	----------
Ash drag hydraulic temp	----------	----------
Ash drag hydraulic pressure	----------	----------
Are there any leaks in the hydraulic system?	----------	----------
If yes, where?	----------	
Grease rollers	----------	----------
Grease kiln drive	----------	----------
Grease ash drag	----------	----------
Grease auger gearbox	----------	----------
Oil level in compressors O.K. ?	----------	----------
Clean air inlet filters of air compressors	----------	----------
Check PRV on air compressors	----------	----------
Is continuous blowdown on? (Adjust as needed.)	----------	----------
Desander:		
Air pump cycling correctly?	----------	----------
Empty cone bottom tank.	----------	----------

Chemical Feed System:

Are feed rates correct? Boiler information posted in control room lists proper feed rates (Chemtreat Data Sheet).

Add BL-122 feed and BL-1353 if needed (sulfite and polymer).	----------	----------
Add BL-1737 and and BL-1513 if needed (Phosphate and amines)	----------	----------
Water analysis taken?	----------	----------
Treated water	----------	----------
Deaerator water	----------	----------
Boiler water	----------	----------
No. of caustic drums in inventory	----------	----------

Make sure seal water is on the following pumps:

water frac packed tower quench recirc transfer scrubber brine frac	----------	----------

Leaks. Please list any process lines and locations where we have a leak. This includes pumps, pump seals, valves, and fittings:

Pumps - Check the following items:

Oil levels
Seal integrity
Leaking Connections
Coupling guard on?
Unusual noises
Excessive vibration

Frac pumps	----------	----------
Boiler feed pumps	----------	----------
Quench recirc pumps	----------	----------

Neutralization transfer pumps	----------	----------
Concentrator pumps	----------	----------
Packed Tower pumps	----------	----------
Scrubber pumps	----------	----------
Diaphragm pump O.K. ?	----------	----------
Chem pumps	----------	----------

VESSEL LEVELS

Caustic tank level	----------	----------
Lime Silo level	----------	----------
Tanker A1 (Diesel)	----------	----------
Tanker A2	----------	----------
Tanker A3	----------	----------
Tanker A4	----------	----------
Tank 1	----------	----------
Tank 2	----------	----------
Tank 3	----------	----------
Tank 4	----------	----------

ELECTRICAL AND INSTRUMENTATION:

Drain moisture traps
on instrument air lines:

In front of DA

Underneath steam drum
steps

On north end of
secondary skid

Next to solenoid valves
for kiln fuel ---------- ----------

Drain moisture from
all air regulators ---------- ----------

Drain moisture from
all Helitork valves ---------- ----------

Drain compressors ---------- ----------

***NOTE: Draining these each shift is critical, since we do not have an air dryer in service yet!

Calibrate Ox, CO
and CO2 stack
analyzers ---------- ----------

Calibrate Ox and
CO at secondary ---------- ----------

Is weigh hopper
reading correctly?
Repair as needed ---------- ----------

Are there any spare supplies, consumables, parts, that need to be ordered?
Please inform supervisor.