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NTC ORLANDO
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LETTER REGARDING NOTIFICATION OF WELL ABANDONMENT NTC ORLANDO FL
4/14/1999
HARDING LAWSON ASSOCIATES

Harding Lawson Associates



April 14, 1999
Commanding Officer
SOUTHNAVFACENCOM
2155 Eagle Drive
North Charleston, SC 29419-9010

ATTN: Ms. Barbara Nwokike, Code 187300

Subject: **Well Abandonment**
NTC, Orlando
Contract: N62467-89-D-0317

Dear Barbara:

On April 5 and 6, 1999, HLA completed the abandonment of 31 monitoring wells and 1 piezometer at the Naval Training Center, in accordance with our letter to you dated March 16, 1999. Table 1 lists the wells that were abandoned. Also attached is Table 2, which contains a complete listing of all non-UST wells at the NTC (excluding wells at OU 2).

Should you have any questions or need additional information, please call me at (904) 772-7688.

Very Truly Yours,

Harding Lawson Associates

Richard P. Allen
Project Technical Lead

Attachments

- cc: Wayne Hansel, Southern Division
- Nancy Rodriguez, USEPA Region IV
- David Grabka, FDEP
- Lt. G. Whipple, NTC-Public Works Officer
- Robin Manning, BEI
- Steve McCoy, Tetra Tech/NUS
- Al Aikens, CH2M Hill
- John Kaiser, HLA
- file



Table 1
Well Abandonment
NTC, Orlando
April 5 and 6, 1999

<u>Main Base</u>	<u>IR WELLS</u>		<u>UST WELLS</u>	
	<u>Well ID</u>	<u>Depth bls</u>	<u>Well ID.</u>	<u>Depth bls</u>
	OLD-03-03	17	354 MW-1	17
	OLD-03-04	17	354 MW-2	17
	OLD-08-08	13	354 MW-3	17
	OLD-37-01	13		
	OLD-40-01	18		
	OLD-40-02	18		
	OLD-U1-02	28		
	OLD-U1-05	37		
	OLD-U1-06	58		
	OLD-U1-08	41		
	OLD-U1-28	33		
	OLD-U1-29	65		
	OLD-U1-PZ2	16		
	OLD-OR-02	13		
	OLD-OR-03	13		
<u>McCoy Annex</u>	<u>Well ID</u>	<u>Depth bls</u>	<u>Well ID.</u>	<u>Depth bls</u>
	OLD-16-02	15	7121 MW-1	12
	OLD-23-01	17	7121 MW-2	12
	OLD-23-02	13	7121 MW-3	12
	OLD-25-03	13		
	OLD-OR-06	13		
	OLD-OR-07	13		
	OLD-OR-08	13		
	OLD-OR-09	13		
	OLD-OR-10	14		
<u>Herndon Annex</u>	<u>Well ID</u>	<u>Depth bls</u>		
	OLD-OR-05	13		
<u>Area C</u>	<u>Well ID</u>	<u>Depth bls</u>		
	OLD-OR-04	13		

Note: For wells shallower than 20 ft. bls, all well materials were removed, grout tremied to surface.
For wells deeper than 20 ft. bls, top 2 ft. of well materials were removed, grout tremied to surface.

**Table 1
Installation Restoration (IR) Program Site Screening and Remedial Investigation Well Abandonment Record
Base Realignment and Closure
Naval Training Center, Orlando**

SA	Location	BRAC Color Code	Building Number	Name	Monitoring Wells Installed During Screening/RI Investigation (Permanent/Temporary/Microwell)	Number of Wells Abandoned to Date	Number of Wells Remaining on site (Bold = scheduled for abandonment)	Current Status
1 GRP I	MB	1/White	3126	Hospital Civilian BEQ	5/0/0	5/0/0	0/0/0	No Further action (NFA) approved 7/96. 5 wells abandoned 12/97.
3 GRP I	MB	1/White 4/Dk. Green	UNF-12 73/2817 2818	Alleged Hospital Landfill RTC 1st Lt. Storage	4/0/0	2/0/0	2/0/0	PCE (tetrachloroethene) detections in groundwater. Monitoring Only Plan (MOP) approved 8/97. 2 wells abandoned 4/99.
4 GRP I	MB	4/Dk. Green 1/White	250/8 251	Rusk Memorial Chapel and covered walkways Rusk Memorial Chapel Annex	0/0/0	0/0/0	0/0/0	NFA approved 7/96.
5 GRP I	MB	1/White	UNF-13	Septic Tank/Leachfield	3/0/0	3/0/0	0/0/0	NFA approved 7/96. 3 wells abandoned 2/97.
6 GRP I	MB	1/White		Lake Baldwin	0/0/0	0/0/0	0/0/0	NFA approved 7/96.
7 GRP I	MB	1/White		Lake Susannah	0/0/0	0/0/0	0/0/0	NFA approved 7/96.
8 GRP I	MB	5/Yellow 3/Lt.Green	2134 UNF-15	Greenskeeper Storage Former WWTP - Main Base	5/0/0	5/0/0	0/0/0	Greenskeeper Storage Area and SA 9 designated OU 3. (See listing for OU 3). This part of SA 8 approved for NFA 6/97. 4 wells abandoned 12/97. 1 well abandoned 4/99.
9 GRP I	MB	5/Yellow	UNF-14	Former Pesticide/Herbicide Storage				SA 9 and part of SA 8 designated OU 3. (See listing for OU 3).
10 GRP I	MB	1/White	IAS-4	Former Yard Waste Disposal Area	1/0/0	1/0/0	0/0/0	NFA approved 7/96. 1 well abandoned 12/97.
27 GRP IV	MB	2/Blue 4/Dk. Green	2010 2073	Security Building Armory/Hurricane Storage Locker	0/3/0	0/3/0	0/0/0	IRA soil removal 4/98 NFA approved 7/98 3 temporary wells removed upon sampling.
28 GRP IV	MB	1/White	114	Bowling/Arts & Crafts Center	0/2/0	0/2/0	0/0/0	NFA approved 1/98 2 temporary wells removed upon sampling.
29 GRP IV	MB	4/Dk. Green	127	Grounds Maintenance	0/2/0	0/2/0	0/0/0	NFA approved 1/98. 2 temporary wells removed upon sampling.
30 GRP IV	MB	4/Dk. Green	129	Automotive Hobby Shop	7/0/0	7/0/0	0/0/0	NFA approved 7/98 7 wells abandoned 10/98.
	MB	4/Dk. Green	131	Paint Shop Storage				

Note: Main Base = MB; McCoy Annex = MA; Area "C" = AC; Herndon Annex = HA

Table 2
Installation Restoration (IR) Program Site Screening and Remedial Investigation Well Abandonment Record
Base Realignment and Closure
Naval Training Center, Orlando

SA	Location	BRAC Color Code	Building Number	Name	Monitoring Wells Installed During Screening/RI Investigation (Permanent/Temporary/Microwell)	Number of Wells Abandoned to Date	Number of Wells Remaining on site (Bold = scheduled for abandonment)	Current Status
	MB	4/Dk. Green	2262	Custodial Contractor				
31 GRP IV	MB	2/Blue	354	Nuclear Power Field "A" School	0/0/0	0/0/0	0/0/0	Transferred to Tank Management Program (TMP) for assessment.
32 GRP IV	MB	1/White	358	BEQ/Heating Plant	3/0/0	3/0/0	0/0/0	NFA approved 3/98 3 wells abandoned 10/98.
33 GRP IV	MB	4/Dk. Green	2001	Administration Building	0/3/0	0/3/0	0/0/0	NFA approved 5/98. 3 temporary wells removed upon sampling.
		4/Dk. Green	2002	NTC Headquarters				
		4/Dk. Green	2003	DFAS Office				
		4/Dk. Green	2004	Administration Building				
34 GRP IV	MB	1/White	2024	NTC Supply	0/0/0	0/0/0	0/0/0	NFA approved 3/98. Supply well abandoned by SJRWMD.
35 GRP V	MB	7/Gray	2078	Auto Maintenance Facility	4/0/4	4/0/4	0/0/0	IRA soil removals scheduled for 4/99. 4 permanent wells abandoned 10/98. 4 microwells abandoned 10/98.
		7/Gray	2079	Auto Maintenance Facility Storage				
36 GRP V	MB	7/Gray	2121	PW Lumber Storage	3/0/0	3/0/0	0/0/0	3 wells abandoned 10/98 at south end of site.
		7/Gray	2122	PW Shops	11/0/0	0/0/0	11/0/0	Investigation of chlorinated solvent plume at north end of site ongoing.
37 GRP V	MB	6/Red	2414	Flammable hazardous waste storage	2/0/0	1/0/0	1/0/0	IRA soil removal scheduled for 4/99. 1 well abandoned 4/99.
38 GRP V	MB	1/White	4001	Storage and use of pesticides and herbicides	0/1/0	0/1/0	0/0/0	NFA approved 12/97. 1 temporary well removed upon sampling.
39 AF SITES	MB	7/Gray	4060	Loading Platform	21/1/4	7/1/0	14/0/4	Investigation of chlorinated solvent plume ongoing. 7 permanent wells destroyed by utility construction 9/97. 1 temporary well removed upon sampling.
		7/Gray	4067	Loading Platform				
		7/Gray	15109	Irrigation Well				
		7/Gray	UNF-10	Open Area (west of NPS)				
40 AF SITES	MB	7/Gray	21022	Softball Field	2/0/0	2/0/0	0/0/0	IRA soil removal scheduled 4/99. 2 wells abandoned 4/99.
		7/Gray	21023	Softball Field				
		7/Gray	UNF-6	Bottle Landfill				

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41 GRP V	MB	1/White	UNF-8	Open Area	0/0/0	0/0/0	0/0/0	NFA approved 12/97. Former USTs/ASTs evaluated under TMP.
42 GRP V	MB	7/Gray	2055	Maintenance Shop	3/0/0	3/0/0	0/0/0	IRA soil removal scheduled 4/99 3 wells abandoned 10/98.
43 AF SITES	MB	1/White		North Grinder Landfill skeet range	0/0/0	0/0/0	0/0/0	NFA approved 12/96.
	MB	3/Lt.Green	229	Indoor rifle and pistol range				
44 AF SITES	MB	1/White	2816 & 2817	Former Missile Training Range	10/0/0	10/0/0	0/0/0	NFA approved 7/97. 10 wells abandoned 12/97.
		4/Dk. Green	former 2721	Silk screening facility				
45 AF SITES	MB	1/White	125	Alleged disposal area near Bldg. 125	0/3/0	0/3/0	0/0/0	NFA approved 6/97. 3 temporary wells removed upon sampling.
OU 1	MB	3/Lt.Green	21	RTC Fitness Trail	29/3/0	6/3/0	23/0/0	OU 1 Record of Decision (ROD) issued 7/97. MOP includes sampling of 15 downgradient wells and water level monitoring. 6 wells and 1 piezometer abandoned 4/99.
		3/Lt.Green	4004	North Grinder (paved)				
		3/Lt.Green	4005	North Grinder (grass)				
		3/Lt.Green	4021	South Grinder (paved)				
		3/Lt.Green	4022	South Grinder (grass)				
OU 3 (SA 8 GRP I) (SA 9 GRP I)	MB	5/Yellow	2134 (SA 8)	Greenskeeper Storage	4/4/10	0/0/1	4/4/9	Remedial alternatives are being evaluated 4 permanent wells are existing SA 08 wells. 4 temporary wells are well points installed in wetlands. 1 microwell destroyed 4/98.
		5/Yellow	UNF-14 (SA 9)	Former Pesticide and herbicide Storage	4/3/11	0/0/0	4/3/11	Remedial alternatives are being evaluated 4 permanent wells are existing SA 09 wells. 3 temporary wells are well points installed in wetlands.
Background				Background wells	3/0/0	2/0/0	1/0/0	2 wells abandoned 4/99. 1 well (OLD-OR-01) used in OU 1 MOP.
16 GRP III	MA	1/White	7168	Maintenance Yard	2/0/0	2/0/0	0/0/0	Site transferred to TMP for evaluation. 1 well abandoned 3/99 as part of UST removal. 1 well abandoned 4/99.
		2/Blue	7171	Amy Motor				

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		1/White	7172	Army Battery Shop				
17 GRP III	MA	7/Gray	7178	Training Material Storage	24/5/4	0/0/0	24/5/4	Investigation of chlorinated solvent plume ongoing. 5 temporary wells are drive points in ditch.
		7/Gray	7191	DPDO Warehouse				
		7/Gray	7193	Army Maintenance Office				
		6/Red	7190	Army motor Pool Area				
18 GRP III	MA	7/Gray	7182	Housing Office	3/1/0	0/1/0	3/0/0	IRA soil removal scheduled for 4/99. 1 temporary well removed upon sampling.
19 GRP III	MA	1/White	7184	Auto Hobby Shop	2/2/0	2/2/0	0/0/0	NFA approved 7/97. 2 temporary wells removed upon sampling. 2 permanent wells abandoned 12/97.
20 GRP III	MA	2/Blue	7187	Storage	1/0/0	1/0/0	0/0/0	NFA approved 6/97. 1 well abandoned 12/97.
21 GRP III	MA	3/Lt.Green	7203	Maintenance Shop	1/1/0	1/1/0	0/0/0	NFA approved 8/97. 1 temporary well removed upon sampling. 1 permanent well abandoned 12/97.
22 GRP III	MA	1/White	UNF-1	Old Golf Course	0/1/0	0/1/0	0/0/0	NFA approved 6/97. 1 temporary well removed upon sampling.
23 GRP III	MA	5/Yellow	UNF-2	Former officer's swimming pool and bathhouse (Building 7119)	2/0/0	2/0/0	0/0/0	IRA soil removal scheduled for 4/99. 2 wells abandoned 4/99.
24 GRP III	MA	1/White	UNF-4	Northwest Swamp	0/5/0	0/5/0	0/0/0	NFA approved 6/97. 5 temporary wells removed upon sampling.
		1/White	UNF-5	Southeast Swamp				
25 GRP III	MA	4/Dk.Green		Former DWTP - McCoy Annex	3/0/0	2/0/0	1/0/0	NFA approved 7/97. 1 well (OLD-25-01) abandoned 12/97. 1 well (OLD-25-02) abandoned 4/99. OLD-25-03 could not be located.
26 GRP III	MA	1/White	7351	Camp Bath House	4/0/0	4/0/0	0/0/0	NFA approved 6/97. 4 wells abandoned 12/97.
		1/White	7352	Camp Laundry				
		1/White	7357	Family Camp Office				
		1/White	7358	Family Camp				
46 AF SITES	MA	1/White		Sewage disposal pit as part of DWTP	0/1/0	0/1/0	0/0/0	NFA approved 1/97. 1 temporary well removed upon sampling.

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47 AF SITES	MA	1/White		Former skeet range	0/1/0	0/1/0	0/0/0	NFA approved 1/97. 1 temporary well removed upon sampling.
48 AF SITES	MA	1/White		Former auto, boat, and carpentry hobby shop	0/3/0	0/3/0	0/0/0	NFA approved 6/97. 3 temporary wells removed upon sampling.
49 AF SITES	MA	1/White		Former disposal area	0/1/0	0/1/0	0/0/0	NFA approved 7/97. 1 temporary monitoring well removed upon sampling.
50 AF SITES	MA	1/White 7/Gray 2/Blue 2/Blue 7/Gray 1/White 7/Gray	7189 7178 7253 7174 7179 RV Storage 7182	Former civil engineering yards (Bldgs. 7179 and 7182 investigated as SA18; Bldg. 7178 investigated as SA17).	0/6/0	0/6/0	0/0/0	NFA approved 8/97 with restriction to industrial reuse. 6 temporary monitoring were removed upon sampling.
51 AF SITES	MA	1/White	7159	Former electrical substation	2/0/0	2/0/0	0/0/0	NFA approved 1/97. 2 wells abandoned 12/97.
52 AF SITES	MA	5/Yellow	Former Building 7261	Former Entomology Lab	3/6/5	0/6/4	3/0/1	IRA soil removal 9/97 MOP recommended 12/97 4 microwells abandoned 9/97, prior to IRA. 6 temporary wells/piezometers removed upon sampling.
53 AF SITES	MA	3/Lt.Green	Building 7262	Kwik Shoppe	0/3/0	0/3/0	0/0/0	NFA approved 1/97. 3 temporary wells removed upon sampling.
54	MA	5/Yellow		Background Sampling Location	0/0/0	0/0/0	0/0/0	Site concerns limited to PAHs in surface soil.
Background				Background wells	5/0/0	5/0/0	0/0/0	5 wells abandoned 4/99.
2 GRP I	HA	1/White 7/Gray	6001	Septic Tank/Leachfield. Herndon landfill(s)	21/8/12	0/8/4	21/0/8	Remedial alternatives under evaluation Temporary wells included 4 drive points in ditch. Microwells are piezometers installed with CPT rig 4 temporary wells abandoned 12/98. 4 drive points destroyed before 12/98. 4 piezometers destroyed before 12/98.
43 AF SITES	HA	3/Lt.Green	601	Indoor rifle and pistol range	0/0/0	0/0/0	0/0/0	NFA approved 12/96.

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Background	HA			Background wells	1/0/0	1/0/0	1/0/0	1 well abandoned 4/99.
11 GRP II	AC	2/Blue	148	Cold Storage Warehouse (Area C)	0/0/0	0/0/0	0/0/0	Site transferred to TMP for evaluation.
12 GRP II	AC	5/Yellow	1061, 1063	DRMO warehouses and salvage yard.				Transferred to OU 4. Monitoring wells will be utilized during RI/FS.
13 GRP II	AC	5/Yellow	1100, 1101	NTC laundry and old heating plant				Transferred to OU 4. Monitoring well will be utilized during RI/FS.
14 GRP II	AC	5/Yellow	1102	Disposal, salvage and scrap building				Transferred to OU 4. Monitoring wells will be utilized during RI/FS.
15 GRP II	AC	1/White	1053	CBU-419 Maintenance Shop	0/0/0	0/0/0	0/0/0	Transferred to TMP for assessment.
OU 4 (SA 12 GRP II)	AC	5/Yellow	1063 and 1061	DRMO Warehouses and salvage yard	4/0/0	0/0/0	4/0/0	RI/FS in progress.
(SA 13 GRP II)	AC	5/Yellow	1100 (1101)	Laundry Drycleaners (Area C)	39/23/5	0/12/0	39/11/5	12 temporary wells removed upon sampling Temporary wells include 11 drive points in Lake Druid 2 UVB recirculation wells are in operation 5" well for pumping test abandoned
(SA 14 GRP II)	AC	5/Yellow	1102	Disposal Salvage Scrap Building	4/0/4	0/0/0	4/0/4	
55	AC	1/White	1104	Hazardous Materials Storage	0/0/1	0/0/1	0/0/0	NFA approved 1/99 1 microwell abandoned 10/98
Background	AC			Background wells	1/0/0	1/0/0	1/0/0	1 well abandoned 4/99.

Note: Main Base = MB; McCoy Annex = MA; Area "C" = AC; Herndon Annex = HA