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NOTIFICATION OF NEW SOLID WASTE MANAGEMENT UNITS (SWMU) CNC  
CHARLESTON SC  
3/16/1994  
CNC CHARLESTON

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DEPARTMENT OF THE NAVY  
CHARLESTON NAVAL SHIPYARD  
CHARLESTON, S.C. 29408-6100

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Ser 106.23/0102

16 MAR 1994

Mr. Joseph R. Franzmathes  
Director of Waste Management Division  
U.S. Environmental Protection Agency  
Region IV  
345 Courtland Street, N.E.  
Atlanta, GA 30365

RE: Notification of New Solid Waste Management Units (SWMU) at Naval Base, Charleston SC

Dear Mr. Franzmathes:

Southern Division Naval Facilities Engineering Command (SOUTHDIV) contracted EnSafe/Allen & Hoshall to perform an Environmental Baseline Survey of the Charleston Naval Base as required by the Community Environmental Response Facilitation Act (CERFA) of 1992. Upon review of the survey, numerous sites have been discovered which should be considered as SWMUs. Enclosed you will find a list of these SWMUs with a brief description of each one.

In the U. S. Environmental Protection Agency's letter dated February 15, 1994, Mr. Doyle Brittain ascertained from a phone conversation with Mr. David Criswell of SOUTHDIV, that there were approximately 300 SWMUs at Naval Base Charleston. In actuality, Mr. Criswell was referring to 331 Potential Areas of Concern (PAOCs) discovered during the baseline survey. As stated above, the survey was reviewed and new SWMUs were identified. Including previously identified SWMUs, the total number is now 251 for the Charleston Naval Base. The remaining PAOCs from the baseline survey were not identified as SWMUs for the following reason(s):

1. The PAOC was a duplication of previously identified SWMU or it will be included in an expansion of an existing SWMU.
2. The PAOC falls within the Underground Storage Tank Program. If groundwater contamination other than petroleum contamination is found, the site will be remediated under Resource Conservation Recovery Act (RCRA).
3. Latrine sites where organic wastes can be expected to have naturally biodegraded, heavy metals in latrine wastes are not expected.
4. PAOCs that were hazardous or petroleum material storage areas where there are no records of spills, no visible stains, and stressed vegetation does not exist. This includes transformers, transformer vaults, and substations.

5. Piers - The product delivery lines associated with the piers deliver material not waste. It is important to note that a waterbody investigation will be conducted. If the piers are determined to be a point source then the product delivery systems may need to be reevaluated.

6. PAOCs on noncontiguous naval property and on a naval vessel.

It should also be noted that one area identified during the baseline survey as PAOC 122 will be addressed as an expansion of SWMU 6.

If you have any questions, please contact Mr. Bill Brasel, Head, Environmental Division (Code 106.2) at (803) 743-5519.

Sincerely,



R. E. DEWITT  
Director, Occupational Safety,  
Health and Environmental Office  
By direction of the Commander  
Charleston Naval Shipyard

Encl:

(1) New SWMUs Screened From PAOCs 119-330

Copy to:

SCDHEC (Mrs. Kathy Williams)

COMNAVBASE (N34)

E/A&H (Dr. J. Speakman)

SOUTHDIVNAVFACENGCOM (187)

EPA (Mr. Doyle Brittain)

**Naval Base, Charleston, SC  
New Solid Waste Management Units (Screened From PAOCs 119-330)  
March 16, 1994**

Study Zone	PAOC Number	SWMU Number	Description	Material Released, Stored or Disposed of	Location
Various	119	158	Dredge Material on Base	Miscellaneous	Various
I	127	159	Southern Tip of Base	Dioxins	Southern Tip of Base
E	130	160	Building 6	Zyglo	Building 6
E	132	161	Building 2 Copper Tank	Copper	Building 2
E	133	162	Building 5 Fiberglass Shop	Miscellaneous	Building 5
E	134	163	Building 59 Steam Cleaning Shop	Miscellaneous	Building 59
E	135	164	Building 194	Paint	Building 194
E	137	165	Building 177 Anodizing	Miscellaneous	Building 177
E	139	166	Alley Between Buildings 79 & 1760	Acetone Petroleum Products	Alley Between Buildings 79 & 1760
F	141	167	Building 69 Galvanizing	Miscellaneous	Building 69
F	142	168	Building 68 Battery Shop	Acid	Building 68
E	144	169	Building 1278 Southwest Area	Miscellaneous	Building 1278
G	145	170	Building 68 Southeast Area	Paint Blast Residue	Building 68
F	147	171	Parking Lot North/ Northeast of Building 240	Epoxies and Resins	Parking Lot North/ Northeast of Building 240
F	148	172	Between Buildings 241, 242, 255 (Old Locomotive Shop)	Petroleum Products	Between Buildings 241, 242, 255
F	149	173	Building 68 Battery Cracking Area	Lead Acids	Building 68
E	151	174	Building 3 Gauge Room	Mercury	Building 3
E	152	175	Building 79 Floor	Mercury	Building 79
E	153	176	Sonar Dome Area	Miscellaneous	End of Pier J
E	154	177	Building 5 Elevator	Hydraulic Oil	Building 5
C	155	178	Parking Lot/Old Morgue	Miscellaneous	Southeast of Building 45
H	156	179	Building 1888 Range	Lead	Building 1888

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Naval Base, Charleston, SC New Solid Waste Management Units (Screened From PAOCs 119-330) March 16, 1994					
Study Zone	PAOC Number	SWMU Number	Description	Material Released, Stored or Disposed of	Location
I	157	180	Old Building 1888 Outdoor Range	Lead	Old Building 1888
H	158	181	Field South of Building 1897	Miscellaneous	Field South of Building 1897
C	159	182	Building M-192 Range	Miscellaneous	Building M-192
I	160	183	Spoils Area Road	Chemical Wastes Miscellaneous	South End of Base
E	161	184	Building 5 Dip Tank Area	Miscellaneous	Building 5
G	164	185	Pier Z Temporary Satellite Accumulation Area	Miscellaneous	Pier Z
I	165	186	Pier P Temporary Satellite Accumulation Area	Miscellaneous	Pier P
I	166	187	Pier P Temporary Satellite Accumulation Area	Miscellaneous	Pier P
H	176	188	Oil Spill Area Behind Base Exchange	Petroleum Products	Behind Base Exchange
K	178	189	Former Naval Ammunition Depot	Explosives Heavy Metals	Clouter Creek Dredge Area
F	179	190	Coal Storage Area	Coal Products and Byproducts	Building 1199 Area
C	182	191	Burning Dump	Unknown	Building NSC 64, 66, 67 Area
E	184	192	Building 22 Acetylene Plant (1922-1930s) Paint Shop (1930s-1950s)	Acetylene Paints Possible Solvents	Building 226 Area
E	186	193	Torpedo Storage (101) Machine Shop Galvanizing Plant	Explosives Propellants Solvents/Degreasers Miscellaneous	Building 101 Area
E	188	194	Burning Dump	Unknown	Dry Dock 3 Area
C	189	195	Coal Bins	Coal and Coal Byproducts	Building M-1257 Area

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E	190	196	Scrap Yard (1054)	Metals Miscellaneous	Building 5 Area
C	192	197	Building 51 Incinerator (1920s-1930s), Paint Shop (1930s-1940s)	Paints Solvents Unknown	Area West of Building 233
G	196	198	Dump Area	Unknown	Building 161 Area
F	198	199	Oil Storage Yard	Petroleum Products	Area of Buildings 1824, 1836, 316, and 381
G	200	200	Pistol Range	Lead Explosives	Parking Lot of Buildings X10, X12, 1431
I	201	201	Firefighting School (2-V)	Petroleum Products	Building NS-1 Area
I	202	202	Wash Rack	Unknown	Building NS-1 Area
H	213	203	Mosquito Control (31)	Pesticides	Building NS-6 Area
A	214	204	Miscellaneous Storage	Miscellaneous	North of Building 1605
H	215	205	Braswell Shipyards, Inc. Storage Area	Unknown	West of Building 672
H	216	206	Metal Trades, Inc. Storage Area	Unknown	West of Building 672
I	217	207	Incinerator	Unknown	Area of Building NS-2
A	218	208	Creosote Cross-Tie/Ballast Storage Area	Creosote Unknown	Area of Building 1803
Various	219	209	Railroad System	Petroleum Products Batteries (Lead, Acids) Coal Additional Unknowns	Basewide

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Study Zone	PAOC Number	SWMU Number	Description	Material Released, Stored or Disposed of	Location
E	221	210	Pattern and Electric Shop	Lead, Zinc, Solvents, and Degreasers	South of Building 10
B	224	211	Incinerator (19)	Petroleum Products Metals	North of Avenue "D"
F	228	212	Transportation Shop and Garage (25)	Petroleum Products Lead Solvents and Degreasers	Southwest of Building 177
F	233	213	Sewage Treatment Plant (30)	Organic Wastes Heavy Metals	West of Building 177
F	234	214	Central Power Station (32)	Petroleum Products Combustion Products PCBs	West of Hobson Avenue
F	235	215	Disinfector (34)	Unknown	South of Building 32
C	239	216	Incinerator Building (67)	Petroleum Products Metals Combustion Products	Southwest of Storage Area
E	240	217	Plating Plant, Formerly Building 226/1975 (73)	Heavy Metals, Nitric Acid	Northeast Corner of Building 3
G	249	218	Fuel Oil Booster Pumphouse	Petroleum Products	West of Hobson Ave.
G	257	219	Stripper Concrete Tank (148)	Acetone Methylene Chloride	Southwest of Building 98
C	263	220	Battery Charging Station	Lead, Sulfuric Acid	South of Building 198
H	272	221	Engine Overhaul Facility (645)	Solvents and Degreasers Petroleum Products Chlorofluorocarbons	Attached to Building 1647
E	274	222	Paint Shop/Locomotive Shed (1003)	Heavy Metals Acetone Xylenes Toluene	North of Building 1021

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E	278	223	Ordnance Wrecking Magazine/Oil & Paint Storehouse (1018)	Petroleum Products Paints Heavy Metals	Southwest of Building 101
E	280	224	Galvanizing Shop (1025)	Zinc Inorganic Acids	In between South end of Buildings 56 and 74
E	281	225	Galvanizing Shop (1030)	Zinc Inorganic Acids	Northeast corner of Dry Dock #1
E	282	226	Paint Shop (1035)	Paints Heavy Metals	East of Building 1178
C	283	227	Garbagehouse (1051)	Unknown	North of Building M-17
C	284	228	Hazardous Flammable Storage (1079)	Unknown	Along West Property Border
E	287	229	Boiler House, Pier 314	Petroleum Products	Southeast of Building 3
F	288	230	Paint Shop (1201)	Paints, Heavy Metals	Southwest of Drydock #3
F	290	231	Grease Rank and Hobby Shop (1264)	Petroleum Products, Solvents, Degreasers, and Methylene Chloride	Football Field Area
G	291	232	Garbage Handling (1271)	Unknown	End of 336
E	292	233	Contaminated Waste Storage (1426)	Unknown	East of Building 101
A	293	234	Battery Charging Facility	Lead, Sulfuric Acid	North of 1602C
A	294	235	Publications and Printing Plant (1628)	Chromium Lead	North of 2nd Street North
A	295	236	Flammable Storage Shelter	Unknown	North of Building 1603
E	296	237	Incinerator (1711)	Organic Wastes Heavy Metals	Building 79 Area

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H	297	238	Septic Tank and Drain Field (1718) (abandoned)	Organic Wastes Heavy Metals	Building 661 Area
E	298	239	Contaminated Storage (1760)	Unknown	Southwest of Building 79
H	302	240	Hazardous Material Storage (1899)	Unknown	Southwest of Building 1776
G	304	241	Tank Truck/Car Loading/Unloading Facility (3913)	Unknown	South of Dry Dock #4
G	305	242	POL Sampling/Test Building (3914)	Petroleum Products	South of Dry Dock #4
G	306	243	Ballast Water Treatment Facility (3926)	Organic Wastes Heavy Metals	North of oil tanks
G	308	244	Stripper Pumphouse (39-K)	Acetone Methylene Chloride	Base of 336
C	319	245	Garbage House (M-1051)	Unknown	North of 2nd Street
C	321	246	Grease and Wash Building (M-1252)	Petroleum Products	Southwest of Building 198
C	323	247	General Purpose Laboratory (NH-21)	Methyl Ethyl Ketone Acetone Methylene Chloride Solvents	Along Thompson Avenue
H	325	248	Fuel Storage (NS-45)	Petroleum Products	By Osprey Street
E	326	249	Plating Plant Formerly Building 226 (NSC1026)	Zinc Inorganic Acids	Building 3 Area
E	330	250	Building 44 <90 Day Accumulation Area	Plating Chemical Wastes	Building 44
E	331	251	Satellite Accumulation Area	Miscellaneous	Building 223

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