

Southwest Division
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Contracts Department
1220 Pacific Highway, Rm. 135
San Diego, California 92132-5187

Contract No.: N68711-92-D-4670
CTO-0015,0016,0026

**COMPREHENSIVE LONG-TERM ENVIRONMENTAL
ACTION NAVY**

NAVY CLEAN II

**FINAL
INVESTIGATION DERIVED WASTE (IDW)
MANAGEMENT PLAN
CTO-0015,0016,0026
NAVAL COMPLEX
LONG BEACH, CALIFORNIA**

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January 30, 1994

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1/27/94

INVESTIGATION DERIVED WASTE MANAGEMENT PLAN

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Management Plan

1.0 INVESTIGATION DERIVED WASTE (IDW) MANAGEMENT PLAN

The RI/FS field sampling activities for sites 1 through 5, 6a, 7 and the facility-wide investigation at the Naval Complex (NC) Long Beach include collecting surface and subsurface soil samples, groundwater sampling, and surface and subsurface sediment samples including benthic animal collection. Waste derived during these activities will be segregated, containerized in appropriate containers (at a central location when possible), properly labeled, profile-sampled in accordance with EPA analyses performed for field samples, then temporarily stored, pending laboratory analyses, at a secure location on the NC Long Beach, previously designated by the Department of the Navy (DON). Field activities for all above sites will be performed concurrently.

In general, generated wastes will be segregated into the following four groups: 1) inert or non-hazardous solid waste (refuse); 2) personal protective equipment (PPE: tyvek, gloves, tape, etc.); 3) waste waters (rinsate, development, sample purge, and aquifer testing derived); and 4) soils (soil boring and well installation derived). Each of these waste groups will be placed into separate containers (DOT 55-gallon drums or 10 yd³ roll-off bins) in order to facilitate separate disposal options such as non-hazardous disposal or thermal treatment. This will reduce or eliminate the quantity of hazardous waste which will need to be placed in a Class I landfill.

1.1 SURFACE SOIL SAMPLING

Thirty-two to sixty surface soil samples will be collected as a part of this investigation at sites 1 through 4 and facility-wide at a depth of 0 to 0.25 feet. Wastes generated will be rinsate water from decontamination and PPE. No excess soils will be generated. Rinsate water will be collected in a small sealable bucket or in a water tank during decontamination and consolidated into a centrally located holding tank on a periodic basis. PPE will be collected and placed in plastic bags at the sampling location or at the decontamination area and consolidated into the PPE-designated 5 cubic yard roll-off bin located at the central staging area.

1.2 SUBSURFACE SOIL SAMPLING AND MONITORING WELL INSTALLATION

Subsurface soil samples will be collected from multiple soil borings, cone penetrometer (CPT) soundings and monitoring well installations from sites explored during the proposed RI/FS fieldwork. Waste generated will be soil cuttings, PPE, waste water, and non-hazardous refuse (boxes, bags, etc.). Refuse will be collected at the drill site and decontamination pad and transferred into a centrally located refuse bin. Mixing of refuse with soil cuttings or PPE will not be allowed.

Soil cuttings will be consolidated into centrally-located roll-off bins. If field screening (including head space analysis and visual inspection) indicates that soil cuttings from a particular boring or well potentially contain elevated concentrations of contaminants, 55-gallon drums will be available to contain these soils to facilitate separate handling. PPE will be separated from other waste, temporarily placed into clearly marked containers at the drill site and later consolidated into the PPE-designated roll-off bin.

Waste water will be generated during decontamination, well development, well sampling, and aquifer testing. Rinsate, development and sampling-generated purge water will be collected in sealable containers at the drill site or decontamination area and then transferred into a centrally located holding tank. Water generated during aquifer testing will be placed into a properly sized tank placed near the point of testing. All containers used to store waste water (temporary or otherwise) shall be suitable for hazardous waste storage.

1.3 SEDIMENT SAMPLING

Sediment sampling and benthic animal collection will be performed for sites 3, 4 and 7. Samples will be collected using a box core, vibratory or impact type sampler from a sampling vessel. A majority of the sample collected will be sent to the laboratory for analysis; the remainder of the samples will be washed with sea water to facilitate benthic animal collection. Therefore, the amount of waste soils which will be generated will be limited. Rinsate water from decontamination procedures will be placed in appropriate sealable containers at the point of generation and transferred into a centrally-located holding tank suitable for storage of hazardous waste. PPE and refuse will be separated and handled as previously discussed.

1.4 WASTE DISPOSAL

Each of the centrally located containers (roll-off bins and holding tanks) will be sampled by a subcontractor to facilitate profiling of the contents in accordance with EPA analyses performed for in the field. If 55-gallon drums are used to contain soil cuttings specific to a boring, the analytical results which indicate the greatest concentrations of hazardous chemicals for that boring will be used to profile the specific drum.

The DON will be informed of the results of the laboratory analysis when they have been received. The DON assisted by Bechtel will classify the waste as hazardous, or non-hazardous as defined by 40 CFR 261.1, the California Health and Safety Code, Division 20, Chapter 6.5, and the California Code of Regulations (CCR), Title 22, Chapter 11. Bechtel will evaluate treatment and/or disposal options (such as thermal treatment, land farming, land disposal at a Class I,II or III facility, and incineration) based upon the results and will recommend licensed subcontractors (for DON-designation) to transport the hazardous waste to the one of a number of recommended treatment or disposal facilities.

In the event that the profile indicates that a waste is hazardous, the DON-designated subcontractor will be responsible for labeling waste containers, and preparing all appropriate manifests and documentation. The hazardous waste will be removed from the site within 90 days from the time the waste is determined to be hazardous. The DON-designated subcontractor shall be responsible for coordination with any regulatory agencies, such as the Department of Toxic Substances Control and/or the Los Angeles County Department of Public Works, etc., wherever applicable. All associated documentation (including manifests) will be maintained and forwarded to the DON for signature.

If the waste profile indicates that the waste generated from the soil and/or groundwater sampling activities is not hazardous, the DON may determine that the containers will be maintained at the designated secure location, and will be disposed along with the non-hazardous waste generated by other NC site sampling or construction activities.