

N62604.AR.000778
NCBC GULFPORT
5090.3a

FACT SHEET REGARDING PARADE FIELD DITCH CLEANUP PROPOSAL SITE 10 NCBC
GULFPORT MS
8/1/2009
NCBC GULFPORT

Parade Field Ditch (Site 10) Cleanup Proposal

NCBC GULFPORT INSTALLATION RESTORATION PROGRAM

Summary

This Fact Sheet summarizes the Navy's proposal to clean up PCB-contaminated soil on the Parade Field Ditch, Site 10, located on NCBC Gulfport. This cleanup will follow a source removal action completed in 1999. Samples collected upon completion of the removal action showed PCB contamination remaining in the subsurface soil. In response, the Navy completed a Remedial Investigation and Feasibility Study to further define the nature and extent of the contamination, evaluate potential risks to human health and the environment, and assess possible remedies for cleaning up the site. As a result of these studies, the Navy is proposing to cover PCB-contaminated soil and sediment with concrete as a barrier to prevent exposure to potential human and ecological receptors. This recommendation supersedes a previous plan proposed in July 2007.



Site 10 is located just south of the NCBC Gulfport Medical Clinic parking lot. The most noticeable site feature is a footbridge connecting the Parade Field on the left side of the bridge to a parking lot on the right.

Parade Field Ditch (Site 10)

Background

Site 10, the Parade Field Ditch, is an 80-foot section of drainage ditch located in the south-central section of NCBC Gulfport. The site is bordered to the north by a parking area and to the south by the Parade Field.

The drainage ditch is approximately 10 feet wide and four feet deep. The most noticeable feature on the site is a pedestrian bridge that connects the Parade Field to a parking lot to the north. The ditch drains to the west into Canal No. 1 which ultimately flows off-base at Outfall 1, located near the intersection of Canal Road and 28th Street.

Polychlorinated biphenyls (PCBs) were discovered at this location during a base-

wide surface water and sediment study in 1997. The PCB contamination was found to be restricted to the bottom of the ditch and to extend about 80 feet west (or downstream) from the footbridge.

The types of PCBs found indicated that the source of the contamination was old electric utility transformer oils. The transformer oils were likely spilled into the ditch near the footbridge.

The initial PCB finding resulted in the excavation of approximately 200 tons of sediment from the site in 1999. Sampling completed after the removal showed that PCBs remained in the deeper sediments near the footbridge. A comprehensive Remedial Investigation and Feasibility Study followed as part of the Navy's cleanup process.

The Remedial Investigation

The Remedial Investigation included collecting and analyzing soil, sediment, surface water, and groundwater samples to evaluate the nature and extent of PCBs and other possible contaminants on Site 10.

The study found PCBs in the soil and sediment at concentrations requiring cleanup. Approximately 450 cubic yards of contaminated soil and sediment containing 33 pounds of PCBs were found at depths of up to 14 feet below the bottom of the Parade Field ditch. The study also showed that surface water and groundwater do not require cleanup. No other contaminants of concern were identified.

Evaluation of the Cleanup Alternatives

The Feasibility Study and Proposed Plan for Site 10

A Feasibility Study (FS) was completed to evaluate possible cleanup remedies. Four alternatives were analyzed in the study as follows:

Alternative 1: No Action

A No-Action alternative is always used as a baseline for comparison with other alternatives. This option assumes that no changes would be made to the existing conditions at the site.

Alternative 2: Land Use Controls and Site Monitoring

This alternative would restrict access to the site by using fencing or similar controls to prevent exposure to PCB-contaminated sediment. Site controls would include prohibiting residential development and posting signs to warn against unauthorized digging.



Alternative 3: Concrete Cover, Land Use Controls, and Site Monitoring

Alternative 3 would include (1) placing a concrete cover over PCB-contaminated soil and sediment as a barrier to prevent exposure to potential human and ecological receptors;



(2) implementing Land Use Controls at the site in the form of posted signage prohibiting unauthorized digging and a residential use restriction on future site usage and, (3) conducting site monitoring activities.

The Public Comment Period

The Site 10 Proposed Plan is available for your review and comments during the Public Comment Period from August 10 through September 11, 2009.

Comments on this proposal may be provided in writing to:

Installation Restoration Program Manager

2401 Upper Nixon Avenue

Gulfport, MS 39501

— or —

gordon.crane@navy.mil

Alternative 4: Excavation and Disposal

Alternative 4 would remove nearly 450 cubic yards of PCB-contaminated soil from the ditch. The excavated soil would be transported to a permitted off-site



Treatment, Storage, and Disposal Facility. The action would be completed by rebuilding the pedestrian bridge and restoring the site by backfilling with clean soil and replanting the area.

The Proposed Plan: Alternative 3

In the Proposed Plan for Site 10, the Parade Field Ditch, the Navy is recommending Alternative 3: Concrete Cover, Land Use Controls, and Site Monitoring. The Navy believes this alternative will adequately protect human health and the environment, attain all federal and state ARARs, and be cost effective, implementable, and effective.

The USEPA and MDEQ concur with the recommended alternative. However, the Navy, as lead agency, will not select a final alternative until public comments have been fully considered. All relevant public comments will be addressed in a Responsiveness Summary that will be included in the Decision Document for Site 10.

The Information Repository

The NCBC Gulfport Information Repository contains the Parade Field Ditch (Site 10) Proposed Plan and supporting documents. The Information Repository is temporarily located at the:

Gulfport Temporary Library

47 Maples Drive #1

Gulfport, MS 39503

(228) 871-7171

For more information please contact the Installation Restoration Program Manager at (228) 871-3118 or gordon.crane@navy.mil