

FACT SHEET

INSTALLATION RESTORATION PROGRAM:

NAVAL WEAPONS
INDUSTRIAL RESERVE PLANT
Bethpage, New York



FEBRUARY 1993

Introduction

The Navy has begun their off-site monitoring well program in the residential neighborhood adjacent to the Naval Weapons Industrial Reserve Plant (NWIRP) Bethpage. This area is known by residents as the "numbered streets". The first phase of the off-site activities, the installation and testing of temporary groundwater monitoring wells, has been completed. This Fact Sheet summarizes the temporary monitoring well results and discusses the on-going remedial process.

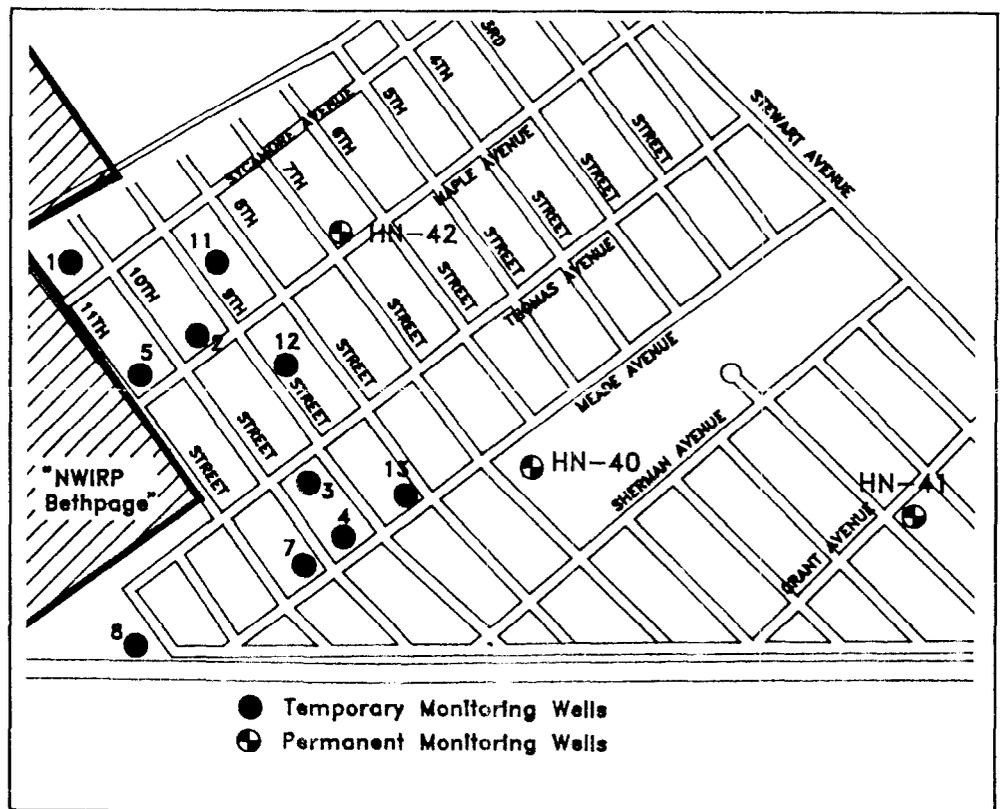
The installation of permanent monitoring wells is currently in progress. A total of three well locations have been selected based on the findings to date. Each well location will consist of one shallow depth well (60-feet) and one intermediate depth well (approximately 100 to 150 feet), totalling six permanent monitoring wells. These wells will be used to collect groundwater samples over the long-term and will be used to identify any increases in the level of contaminants. The temporary and permanent well locations are shown in the map (below).

RESULTS

The results of the temporary monitoring well program indicate that the primary groundwater contaminant

SAMPLING ACTIVITIES

Eleven off-site temporary monitoring wells were installed in the numbered streets area in late December, 1992. These wells were used to collect groundwater samples. Analysis of the groundwater samples provided data that has been used to describe the quality of the groundwater and the migration of a particular contaminant. The temporary monitoring wells consisted of shallow wells that sampled groundwater at an approximately 60-foot depth. These wells were then removed after obtaining groundwater samples.



Well Locations

found was Trichloroethylene (TCE). TCE was used as an industrial degreaser at NWIRP Bethpage. Groundwater in three of the temporary wells had TCE levels that exceeded USEPA and New York State Safe Drinking Water Standards of 5 parts per billion (ppb). Wells 5, 7, and 11 had concentrations of 22, 7, and 6 ppb, respectively. TCE concentrations from wells on the NWIRP Bethpage site are on the order of one thousand times higher than off-site levels. The detailed results from the temporary monitoring well program are available at the Bethpage Library information repository. A copy of these results is also available by contacting the Navy representative listed below.

Although contamination was found to be above safe drinking levels in three of the eleven temporary wells, Bethpage residents do not use local individual wells as a source of drinking water. Residents obtain their water from the Bethpage Water District, a municipal source that is tested on a routine basis. Based on the depth to the groundwater (60 feet) and the fact that the groundwater is not used by Bethpage residents, it is unlikely that residents are being exposed to these chemicals. The Navy will continue the groundwater sampling program over the next two months. As always, the Navy's primary concern is the protection of the health and welfare of its employees, neighbors, and the environment.

NEXT STEP IN THE PROCESS

The Navy is continuing their investigations in the Remedial Investigation/Feasibility Study (RI/FS) phase of the remediation process (shown at right). The RI, scheduled for completion in the summer of 1993, involves the collection and analysis of detailed technical data to characterize the nature and extent of the contamination. The FS is being developed concurrently with the RI to evaluate alternatives for the most effective remedy of the soil and groundwater contamination. Based

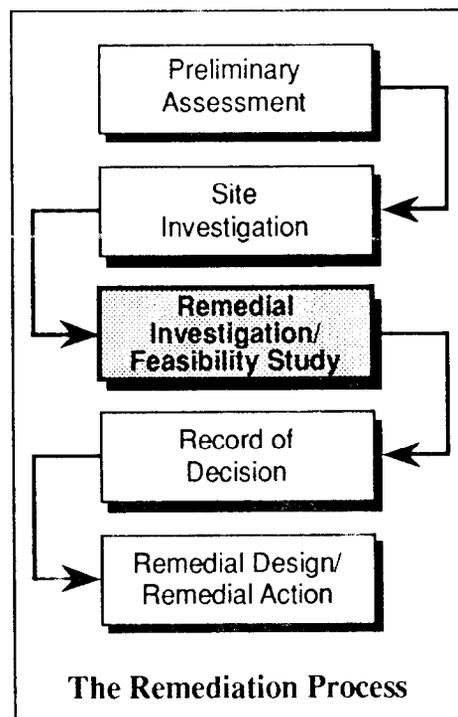
on the FS, a cleanup remedy will be selected and the Remedial Design/Remedial Action will be initiated.

COMMUNITY RELATIONS ACTIVITIES

In January 1993, the Navy conducted a door-to-door notification of upcoming drilling activities (installation of permanent monitoring wells). The homes that were directly adjacent to the drilling locations were contacted.

Since the drilling equipment is very large and may obstruct traffic for a short while, the Navy has informed the Bethpage School District of the off-site drilling activities. The School District has agreed to temporarily relocate the school bus stops (one block) to ensure the safety of the school children. The school district will inform parents of the new locations.

The next opportunity for public involvement in the remedial process is at the completion of the draft RI/FS (scheduled for Fall 1993). At this time, the Navy will sponsor a public meeting to announce the RI/FS results and to provide the public with an opportunity to comment on the reports, including the potential cleanup methods.



If you would like to discuss the program in further detail, or want to be placed on the mailing list, please write or call Jim Colter, Navy Remedial Project Manager, or Jack Dunleavy, Technical Manager at:

Naval Facilities
Engineering Command
10 Industrial Highway,
Mail Stop 82
Lester, PA 19113-2090
(215) 595-0567

All documents generated to date are available for public review in the information repository, located at the Bethpage Public Library, Information Desk, 47 Powell Avenue.