NEW HAMPSHIRE DEPARTMENT OF Environmental Services

EPA Region 1, New England

Beede Waste Oil / Cash Energy Site Newsletter

April 1997 Volume 1, No. 1

The US Environmental Protection Agency (EPA) and the New Hampshire Department of Environmental Services (NH DES) are working together to clean up the Beede Waste Oil/Cash Energy Superfund Site located at 7 Kelley Road in Plaistow, New Hampshire. This newsletter is to keep the community informed and updated about site activities.

If you have topics or questions which you would like to see covered or answered in future newsletters; please fill out and return the "Newsletter Feedback Form" on the last page.

Time Critical Removal Activities

In July 1996, EPA and NH DES initiated removal activities at the site. The first step was to determine the hazardous characteristics of the contents in the drums and above ground storage tanks (tanks). Samples were collected from each of the drums and tanks and analyzed on site to determine hazardous waste content and to evaluate removal options.

To date, EPA has removed and disposed of 75,000 gallons of contaminated hazardous waste oil from 13 tanks and 200 drums. The tanks and drums contained polychlorinated biphenyls (PCBs) or exhibited other hazardous characteristics such as ignitability or corrosiveness. NH DES has removed 75,000 gallons of recyclable oil from 13 tanks.

During the spring and early summer, NH DES and EPA will address the remaining water, sludge and oil still in the drums and tanks. Expedited efforts will be made to complete this removal. Expect to see an increased level of activity at the site, including evening and weekend work, more contractors at the site and more traffic to and from the site.

Removal activities over the next few months include:

- Remove and dispose of all remaining oil (114,500 gallons)
- Remove and dispose of all remaining sludge (55,000 gallons)

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Remedial Investigation

The purpose of the Remedial Investigation is to: gather the data necessary to determine the nature and extent of all contamination at the site; identify how the contamination is migrating; and evaluate potential public health and environmental risks.

A number of different activities have occurred or are planned as part of the

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Need More Information

Clean up of the Beede Waste Oil / Cash Energy Site is a team effort with environmental and health representatives from state and federal agencies. The following people are available to answer questions:

Ted Bazenas 603-382-8401
617-573-5723
On-Scene Coordinator - Removal Activities
US Environmental Protection Agency

Paul Currier 603-271-4069
Project Manager - Remedial Investigation
NH Department of Environmental Services

Bob Minicucci 603-271-2941
Community Relations
NH Department of Environmental Services

Jim DiLorenzo 617-223-5510
Project Manager - Remedial Investigation and Non Time Critical Removal Actions
US Environmental Protection Agency

Angela Bonarrigo 617-565-2501
Community Involvement Coordinator
US Environmental Protection Agency

Eileen Sparling 603-271-5733
Health Risk Assessment
NH Department of Public Health Services

Community Involvement Corner

Information Repository and Administrative Record

An information repository will be established at the Plaistow Public Library. It will include the Administrative Record which contains pertinent documents and information generated by NH DES, EPA and their contractors that will lead to the decision for the clean up remedy. In addition, fact sheets, reference information, press releases and newsletters will be available.

The information repository will be located on the second floor of the library, 14 Elm Street.

Telephone: 603-382-6011
M-TH: 9am - 8:30pm,
F: 9am - 5pm , Sa: 9am - 2pm

Information will also be available at the EPA Records Center, 90 Canal St., Boston MA 02203.

Telephone: 617-573-5729
M-F: 9am - 12pm, 1pm - 5pm

Community Interviews

EPA has been interviewing Plaistow residents to gather information about the site and recommendations for how to involve the community in clean up activities. If you have information which you would like to share, please contact Angela Bonarrigo.

Information from the interviews will be compiled in a Community Involvement Plan. The plan will be available in the library this summer and will be used by NH DES and EPA to evaluate community concerns.

Plaistow Selectmen's Meeting

NH DES and EPA staff attended the April 14th Board of Selectmen's Meeting to update the town on upcoming activities at the site.

A BRIEF SITE HISTORY

The Beede Waste Oil/Cash Energy site is comprised of two parcels of land totaling 39 acres. Parcel 1 totals 22 acres and is the site of former commercial waste oil recycling and fuel oil storage and distribution operations. Parcel 2, a former gravel pit, is 17 acres of primarily undeveloped land.

1926-94 Commercial operations, including recycling of used oil, storage and distribution of virgin fuel oil and cold patch manufacturing.

1991 NH DES verifies that on site soil and floating oil (LNAPL) is a source of contamination to abutting residential wells.

Site Owner conducts some investigations and removes a leaking underground storage tank believed to have been the primary source of LNAPL from the site to Kelley Brook.

1992 State files suit and obtains preliminary injunction order for site owner to control the LNAPL, investigate site and control hazardous waste.

NH DES places sorbent pads in Kelley Brook to contain the floating oil.

1994 Current owner is sentenced in Federal Court to serve 37 months for illegal and improper handling of hazardous waste.

1995 NH DES conducts investigation of site conditions and nature of waste.

1996 NH Fish and Game, NH DES and EPA conduct fish tissue survey to measure potential impacts of contaminants in Kelley Brook.

NH DES and EPA initiate removal actions to address contaminated material left in the tanks and drums. This action is expected to be complete in the summer of 1997.

The site is added to the Superfund NPL list, making additional federal funds available for cleanup and remediation.♦

Removals Update, continued from page 1

- Remove or treat and discharge all water from tanks (717,000 gallons)
- Remove and dispose of all anti-freeze (2,300 gallons)
- Clean the tanks
- Dissemble and remove tanks

After the tanks are removed, soil samples will be collected from where the tanks stood as part of the Remedial Investigation. ♦

Terms and Acronyms

***LNAPL** - Light Non-Aqueous Phase Liquid:* Oil floating on groundwater

***AST** - Above Ground Storage Tank*

***VOCs** - Volatile Organic Compounds*

Non-Time Critical Removal Activities

Non-time critical removal actions (NTCRA) are actions that stop or substantially reduce a release or threatened release of hazardous substances. Although serious, these releases do not pose an immediate threat to public health or the environment.

EPA has determined that a non-time critical removal action at the Site is necessary for the extraction of LNAPL from groundwater. During the summer, a pilot field study will be performed at the site so that additional information and data can be gathered before a full-scale design of LNAPL recovery is prepared.

The pilot study will involve the installation of a recovery trench along Kelley Brook and several test wells in the upgradient LNAPL area on the site.

Data gathered from the pilot will be used primarily to measure the depth and breadth of LNAPL and the degree of groundwater treatment needed.

The trench along Kelley Brook will collect LNAPL prior to it reaching Kelley Brook. The trench will remain operational following completion of the pilot study and may be extended or modified as part of the final design.

The pilot study will be constructed in the summer and operate for two to three months in the fall. Full-scale construction and operation is expected in early 1998.♦

Remedial Investigation, continued from pg 1

Remedial Investigation:

- Fish samples were collected from Kelley Brook last summer. Test results are expected by the end of April and the data will be evaluated by EPA and NH DES.

- The United States Geological Survey (USGS) will be at the Site in April and May to perform surface geophysics.

  These measurements will provide a profile of what the subsurface layers look like and a profile of the bedrock topography. With this information, NH DES and EPA will get a better understanding of how the groundwater is moving.

- The State's contractor, Sanborn, Head & Associates, is preparing a plan for the Remedial Investigation. This includes preparation of several support documents including a Health and Safety Plan, a Field Sampling Plan and a Quality Assurance Project Plan.

  Combined, the various plans provide the blueprint for how the Remedial Investigation will be carried out at the site.

  Field Investigations are expected to begin in the early summer.♦

Newsletter Feedback: Give us your suggestions for topics and questions to be covered and answered in future newsletters. Fill out and send in the comment sheet below Angela Bonarrigo. Telephone: 617-565-2501 or e-mail: BONARRIGO.ANGELA@EPAMAIL.EPA.GOV or Bob Minicucci at 603-271-2941 E-Mail RPM2@DESWSPSP.MV.COM

MAILING LIST ADDITIONS, DELETIONS OR CHANGES

If you would like to:

☐ be added to the site mailing list Name: _____

☐ note a change of address Address:

_____

☐ be deleted from the mailing list

_____

_____

please check the appropriate box and fill in the address information

Becde Waste Oil Site

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ENVIRONMENTAL PROTECTION AGENCY
REGION 1
JFK FEDERAL BUILDING
BOSTON MA 02203

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