



New York State Department of Environmental Conservation
Division of Environmental Remediation
KAY-FRIES, INC. HAZARDOUS WASTE SITE #344023
OPERABLE UNIT 2
TOWN OF STONY POINT, ROCKLAND COUNTY
FACT SHEET - SEPTEMBER 1997



INTRODUCTION

A Remedial Investigation/Feasibility Study (RI/FS) has been conducted at Operable Unit 2 (OU2) of the Kay-Fries, Inc. Inactive Hazardous Waste Disposal Site (ID# 344023) located in the Town of Stony Point, Rockland County. Operable Unit 2 is a seven-acre parcel of the 22-acre site, and is located west of the Conrail railroad tracks. The listed site is bounded on the north by Cedar Pond Brook and a wetlands, to the east by property owned by the Stony Point Industrial Park and U.S. Gypsum, to the south by the Town of Haverstraw Landfill, and to the west by several industrial properties. The area is zoned commercial/industrial, however, there are several residential areas in close proximity to the site, including the West Haverstraw Elementary School which is located to the southwest of the site.

The Remedial Investigation (RI) was conducted by Hüls America, Inc. and was overseen by the New York State Department of Environmental Conservation (NYSDEC) with assistance from the New York State Department of Health (NYSDOH). The purpose of the RI was to determine the nature and extent of contamination at OU2. The Feasibility Study (FS) was conducted by the NYSDEC. The purpose of the FS was to develop and evaluate remedial alternatives for addressing environmental concerns that were identified during the RI.

The NYSDEC issued the Proposed Remedial Action Plan (PRAP) for the OU2 parcel in September 1997. The remedy that the NYSDEC is proposing for OU2 is presented in that document. A summary of the information presented in the PRAP is presented in this Fact Sheet.

REMEDIAL INVESTIGATION

The Remedial Investigation (RI) was conducted

between February 1994 and June 1997. A June 1997 report, "Final Remedial Investigation Report for Operable Unit Two", was prepared by the consultant for Hüls America, Inc. Copies of this report are on file at the document repositories that have been established for the Kay-Fries, Inc. Site. A list of these document repositories is presented below in the section titled "Citizen Participation".

Soil, groundwater, surface water, and sediment samples were collected during the RI. Five soil samples were collected at the OU2 parcel and analyzed for volatile organic compounds. The analytical results were compared to soil Standards, Criteria and Guidance values (SCGs), and no exceedances of these SCGs were observed. Groundwater samples were collected from ten permanent on-site monitoring wells. The two primary contaminants that were observed in these wells were tetrachloroethylene (PCE) and 1,1,1-trichloroethane (TCA). The highest concentrations of these compounds that were observed during the RI were 130 ppb and 16 ppb, respectively, at monitoring well MW-60D. The groundwater water standard (SCG) for these compounds is 5 ppb (per compound). Twelve groundwater seep (groundwater that is directly exposed to the atmosphere) samples were collected during the RI. PCE was the primary contaminant that was observed in these samples at concentrations up to 120 ppb in SS-6 (the SCG is 0.7 ppb). The PCE groundwater contamination is migrating to the north and is surfacing in the groundwater seeps (near SS-6 and SS-7) at the base of the escarpment. Surface water bodies (specifically Cedar Pond Brook) have not been impacted nor are they threatened by this contamination.

FEASIBILITY STUDY

The Feasibility Study (FS) for the OU2 parcel was

conducted by the NYSDEC. Four remedial alternatives were developed and evaluated during the FS. The first alternative was the No Action Alternative which was developed pursuant to the requirements set forth by the United States Environmental Protection Agency (USEPA). The only task that was incorporated into this alternative was a Deed Notification that would be filed with the County Clerk's office. Descriptions of the remaining groundwater contamination at the site would be incorporated into this legal instrument.

The second alternative was a long-term monitoring program. This would be a 30-year program during which samples would be collected from seven existing on-site wells and one groundwater seep. This sampling would be conducted semi-annually during the first 10 years, and annually thereafter. A Deed Notification would be filed with the County Clerk's office as described above.

The third alternative was a groundwater collection and treatment program. Groundwater would be collected in a 30-foot long trench. The collected water could be treated at the OU1 treatment system. A long-term monitoring program would also be implemented. A Deed Notification would be filed with the County Clerk's office as described above.

The fourth alternative is similar to the third alternative except that a six-foot diameter collection sump would be constructed between seep samples SS-6 and SS-7 used to collect contaminated groundwater. The collected water could be treated at the OU1 treatment system. A long-term monitoring program would also be implemented. A Deed Notification would be filed with the County Clerk's office as described above.

The capital costs for these alternatives were estimated to range from \$1,000 for the No Action Alternative to \$39,780 for Alternative 3. The annual operation and maintenance costs range from \$0 for the No Action Alternative to \$16,760 for Alternative 3.

These remedial alternatives were evaluated against the eight criteria set forth in 6 NYCRR Part 375. As a result of this evaluation, the NYSDEC is proposing that contaminated groundwater be collected in a

sump and treated (Alternative 4). A long-term monitoring program would also be implemented as a component the remedy for the OU2 parcel of the Kay-Fries, Inc. Site. The estimated capital construction cost is \$27,560 and the estimated annual operation and maintenance cost for this alternative is \$14,400.

CURRENT ACTIVITIES

The NYSDEC issued the Proposed Remedial Action Plan (PRAP) for the OU2 parcel of the Kay-Fries, Inc. Site in September 1997. Copies of this plan are available at the document repositories that have been established for this site. The NYSDEC has established a formal Public Comment Period beginning September 25, 1997 and ending November 19, 1997. A formal public meeting is scheduled for Thursday October 9, 1997 at the Stony Point Elementary School All-Purpose Room, Gurnee Court, Stony Point, NY. The meeting will begin at 7:30 pm.

The groundwater collection and treatment remedy that was set forth in the ROD for the OU1 parcel issued by the NYSDEC in March 1994 is currently operating. This remedial program is being conducted by Hüls America, Inc., and is being monitored by the NYSDEC.

CITIZEN PARTICIPATION

A public meeting is scheduled for October 9, 1997 at 7:30 pm at the Stony Point Elementary School to discuss the results of the RI/FS conducted at the site, as well as the PRAP that has been issued by the NYSDEC. The public is invited to attend the meeting and to review site-related documents that are on file in document repositories established for this project at the following locations:

Stony Point Town Hall
74 East Main Street
Stony Point, NY 10980
(914) 427-5012

DEC Region 3 Office
21 South Putt Corners Rd.
New Paltz, NY 12561
(914) 256-3018

DEC, Albany Office
50 Wolf Road, Room 242
Albany, NY 12233-7010
(518) 457-3395



Cedar Pond Brook

Wetland

Slater Drive

Hoke Drive

MW-55

SS-6 & 7

MW-53

MW-60

Water Tank

Kay Fries Drive

NYS Route 9W

Two Sets of Tracks

Conrail

West Haverstraw Elementary School



MW-55
Monitoring Well

Seep Sample

Kay Fries

Site ID No. 344023



43 acres investigated plus school yard

Kay Fries Operable Unit 1

Kay Fries Operable Unit 2

Division of Environmental Remediation
Drawing: HAVER2.CDR

FOR ADDITIONAL INFORMATION

For questions or comments on the PRAP, contact **Susan D. McCormick, P.E.**, Project Director, NYSDEC, Albany Office at (518) 457-3395 or toll free at 1-800-342-9296. For general information regarding the projects, contact **Ellen Stoutenburgh**, Citizen Participation Specialist, NYSDEC, Region 3 Office, at (914) 256-3018.

For health-related concerns, contact **Mark VanValkenburg**, Public Health Specialist, NYSDOH at (518) 458-6309 or **Nina Knapp**, Health Liaison Program, DOH at (518) 458-6402 or toll free at 1-800-458-1158 ext. 6402.