New York State Department of Environmental Conservation

FACT SHEET

State Superfund Program

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Northrop Grumman - Bethpage Facility **May 2012**
Site ID No. 130003A-Operable Unit 3, Bethpage, NY

Remedy Proposed for State Superfund Site; Public Comment Period and Public Meeting Announced

The public is invited to comment on the remedy proposed by the New York State Department of Environmental Conservation (NYSDEC) to address contamination related to Operable Unit 3 (OU3) of the Northrop Grumman - Bethpage site (Former Grumman Settling Ponds). The Former Grumman Settling Ponds are located in Bethpage Community Park on Stewart Avenue in Bethpage, Nassau County. See figure 1 for site location.

Public Meeting
June 12, 2012 at 7:00 PM
Bethpage High School
Cherry Avenue
Bethpage, New York

One on One Availability Sessions
June 11, 2012 from 7 to 9:00PM
June 12, 2012 from 2:30 to 4:00 PM
Bethpage Community Center
103 Grumman Road West Bethpage

NYSDEC invites you to a public meeting to discuss the remedy proposed for the site. You are encouraged to provide comments at the meeting, and during the 30-day comment period described in this fact sheet.

The Proposed Remedy

The remedy proposed for the site includes excavating some contaminated soils at Bethpage Community Park, treating some deeper contaminated soils with in-situ thermal desorption and soil vapor extraction, and extracting and treating contaminated groundwater both at the Park and downgradient of the site.

The proposed remedy is described in a draft cleanup plan called a "Proposed Remedial Action Plan" developed under New York State's Superfund Program. The document is available for public review at the location identified below under "Where to Find Information". The document also is available on the NYSDEC web site at: http://www.dec.ny.gov/chemical/8431.html

State Superfund Program: New York's State Superfund Program (SSF) identifies and characterizes suspected inactive hazardous waste disposal sites. Sites that pose a significant threat to public health or the environment go through a process of investigation, evaluation, cleanup and monitoring.

NYSDEC generally attempts to identify parties responsible for site contamination and require cleanup before committing State funds.

For more information about the SSF, visit: **www.dec.ny.gov/chemical/8439.html**

How to Comment

NYSDEC is accepting written comments about the proposed remedy for 30 days, from June 1, 2012 through June 30, 2012.

Submit written comments to:

Steven Scharf
NYS Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233
sxscharf@gw.dec.state.ny.us

Summary of the Proposed Remedy

The proposed remedy represents the alternative preferred by NYSDEC and the New York State Department of Health (NYSDOH) to address site contamination. The draft cleanup plan has several goals:

- identify cleanup levels to be achieved;
- summarize other alternatives considered;
- explain why NYSDEC and NYSDOH believe the proposed remedy will protect public health and the environment; and
- provide a detailed description of the proposed remedy.

The proposed remedy was chosen following a detailed investigation of the site and evaluation of alternatives to address contamination, called a "Remedial Investigation/Feasibility Study."

The goal for the remedial program is to restore the site to pre-disposal conditions to the extent feasible. For soil on-site, the clean-up levels are based on meeting Restricted Residential Soil Cleanup Objectives in the top 10 feet of soil and removing deeper soils containing PCBs at levels of 50 ppm or more. For groundwater, the goal is to fully contain contamination within the Operable Unit 3 source area at the Park and to remove 90% of the contamination leaving the "hot spot" in the plume downgradient of (flowing away from) the site.

Other alternatives considered during the Feasibility Study ranged from the baseline "no further action" alternative to an alternative which comes as close as practicable to restoring the environment to pre-disposal conditions by more extensive soil excavation on-site and much more aggressive pumping of contaminated groundwater down gradient (south) of the site. The proposed alternative was selected over the others because it will result in significant removal of site source areas for the PCBs, chromium and solvents onsite rather than just containing them; substantial containment of contaminated groundwater; and the best overall response to achieve the primary balancing criteria (long-term effectiveness & permanence; reduction of toxicity, mobility, & volume; short-term impacts & effectiveness; implementability; cost-effectiveness; and land use).

Significant components of the proposed remedy include:

- excavation of approximately 45,000 cubic yards of contaminated shallow soil over a three acre area in the Bethpage Community Park and 6,000 cubic yards from the adjacent Grumman Access Road;
- removal of approximately 25,000 cubic yards of soils below 10 feet that contain PCBs at levels

greater than 50 ppm;

- treatment of contaminated low permeability subsurface soils which act as a source of volatile organic compounds (VOCs) entering the groundwater with in-situ thermal desorption and soil vapor extraction;
- excavation of contaminated soil in residential yards near the Park;
- complete containment of on-site groundwater with the continued operation of the pump and treat Interim Remedial Measure (IRM) (supplemented with new extraction wells if necessary);
- remediation of off-site groundwater zones with very high levels of groundwater contamination with groundwater extraction and treatment;
- continued containment and treatment of the contaminated soil vapor on-site and in the Grumman Access Road Area using the soil vapor extraction system installed as an IRM; and
- an institutional control in the form of an environmental easement to restrict use of the site and contaminated groundwater on-site and require implementation of a site management plan.

In addition, the wellhead treatment contingency plan which was prepared in response to groundwater contamination in Operable Unit 2 remains in effect. However, the Operable Unit 2 groundwater remedy is undergoing review at this time.

The estimated cost to construct the proposed remedy is $61,500,000. Operation, maintenance and monitoring would cost an additional $1,250,000 annually.

Next Steps

NYSDEC will consider public comments as it finalizes the remedy for the site. The selected remedy will be described in a document called a "Record of Decision" that will explain why the remedy was selected and respond to public comments. This document will be made available to the public (see "Where to Find Information" below).

The project then moves to designing and performing the cleanup action to address the site contamination. NYSDEC will continue to keep the public informed during the cleanup of the site.

Background

The site is listed as a Class "2"site in the State Registry of Inactive Hazardous Waste Sites (list of State Superfund sites). A Class 2 site represents a significant threat to public health or the environment; action is required.

The former Grumman Settling Ponds and associated disposal areas are in the 18 acre Bethpage Community Park as detailed in figure 2. This disposal area has been designated an operable unit of the Northrop Grumman - Bethpage site. This property was used historically for disposal of various wastes generated by industrial operations in the Grumman industrial complex. These wastes included chromium, PCBs, and volatile organic compounds (chlorinated solvents used for cleaning or degreasing machinery or fabricated parts). The Park is surrounded by residential and commercial property and a school. Three significant Interim Remedial Measures (IRMs) have been completed at this site: removal of contaminated soil by the Town of Oyster Bay in preparation for constructing the new Ice Skating Center, a soil vapor extraction system installed by Grumman in the Grumman access road to intercept contaminated soil vapor migrating from the Park, and a groundwater pump and treat system installed by

Grumman in the Grumman access road to intercept contaminated groundwater migrating from the Park. The Remedial Investigation and Feasibility Study for this site were conducted by Northrop Grumman Corporation under an Order on Consent with the NYSDEC.

FOR MORE INFORMATION

Where to Find Information

Project documents are available at the following location(s) to help the public to stay informed. These documents include the proposed cleanup plan for the site, called the "Proposed Remedial Action Plan".

Bethpage Public Library
Attn: Ms. Lois Lovisolo
Powell Avenue
Bethpage, NY 11714
Phone: (516) 931-3907
Mon. - Fri. 9 AM to 9 PM, Sat. 9 AM to 1 PM

Whom to Contact

Comments and questions are always welcome and should be directed as follows:

Project Related Questions
Steven Scharf, P.E.
NYS Dept. of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7015
(518)402-9620
sxscharf@gw.dec.state.ny.us

Site-Related Health Questions
Steven Karpinski
New York State Department of Health
Flannigan Square
547 River Street
Troy, NY 12180-2216
(518)402-7880
beei@health.state.ny.us

We encourage you to share this fact sheet with neighbors and tenants, and/or post this fact sheet in a prominent area of your building for others to see.

Receive Site Fact Sheets by Email

Have site information such as this fact sheet sent right to your email inbox. NYSDEC invites you to sign up with one or more contaminated sites county email listservs available at the following web page: www.dec.ny.gov/chemical/61092.html . It's *quick*, it's *free*, and it will help keep you *better informed*.

As a listserv member, you will periodically receive site-related information/announcements for all contaminated sites in the county(ies) you select. If email notifications won't work for you and you want to remain on the mailing list for paper notices for this site, you must notify the DEC Project Manager.

You may continue also to receive paper copies of site information for a time after you sign up with a county listserv, until the transition to electronic distribution is complete.

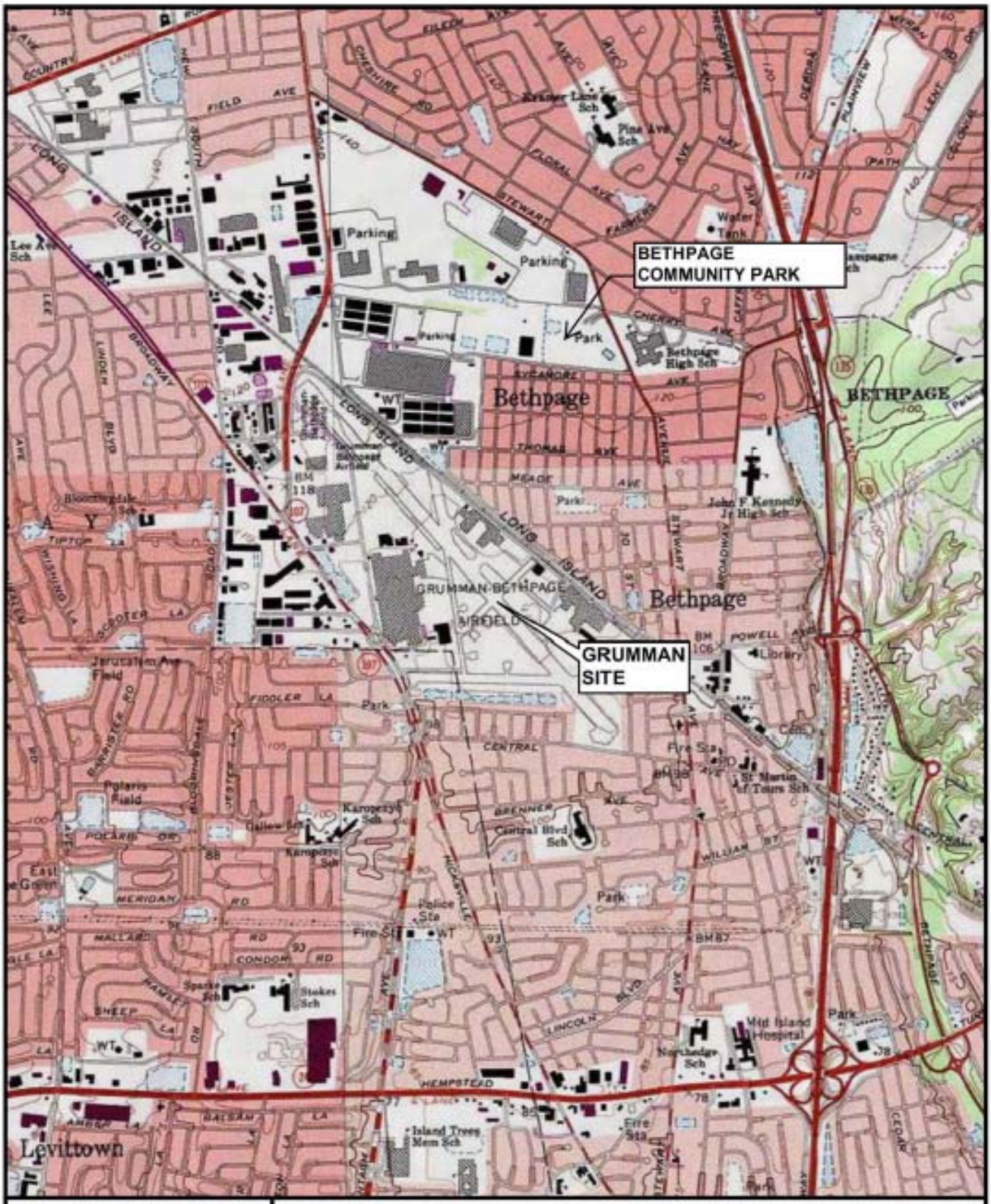


Figure 1

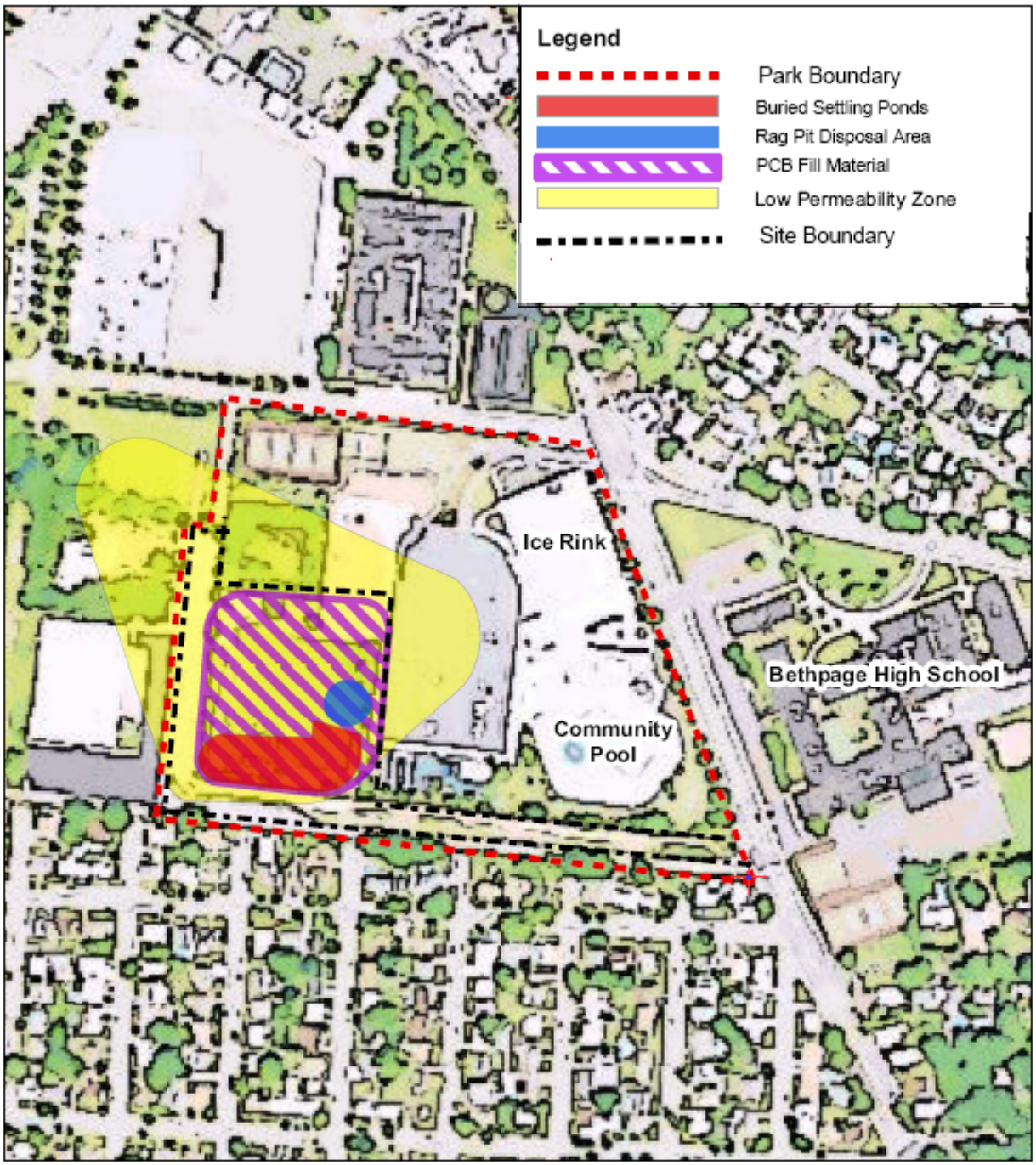
Site Location Map

Grumman

Town of Oyster Bay, Nassau County

Site No. 130003A-OU3

DEPARTMENT OF ENVIRONMENTAL CONSERVATION · NEW YORK STATE ·



WASTE DISPOSAL AND SOURCE AREAS
New York State Department of Environmental Conservation
Grumman Aerospace-Bethpage Facility
Bethpage, Nassau County, New York

Figure 2