

NYSDEC/Town of Oyster Bay

**Meeting on Former Grumman Settling Ponds-
Operable Unit 3**

Remedial Investigation/Feasibility Study

Interim Remedial Measures

Bethpage Community Park

February 7, 2008

**NEW YORK STATE
DEPARTMENT OF**



**ENVIRONMENTAL
CONSERVATION**



**STATE OF NEW YORK
DEPARTMENT OF HEALTH**

**New York State Department of Environmental Conservation
Division of Environmental Remediation**



Bethpage Community Park
Site No. 1-30-003A
Former Grumman Settling Ponds
February 7, 2008

AGENDA

1. Welcome and Introduction - Senator Kemp Hannon
Assemblyman Rob Walker
Dr. Chittibabu Vasudevan
2. Site Background and Status - Dr. Chittibabu Vasudevan
Mr. John Swartwout
Mr. Steve Scharf
 - Site Background
 - Investigation
 - Soil Vapor Investigation and Interim Remedial Measure
 - Groundwater Investigation and Interim Remedial Measure
 - Ice Rink
3. Health Assessment and Exposure - Mr. Don Miles and Ms. Jacquelyn Nealon, DOH
4. Future Action and Schedule - Mr. John Swartwout
5. Communication between the Town, DEC, DOH,
elected officials and public - Dr. Chittibabu Vasudevan
6. Conclusion



Project Area – December 2004

Site Background

1962: Grumman donates property to Town for use as a park.

1965: Town of Oyster Bay completes construction and opens Bethpage Community Park with a pool, ice rink, and ballfields.

2001: Grumman identifies contamination on the Grumman Access Road.

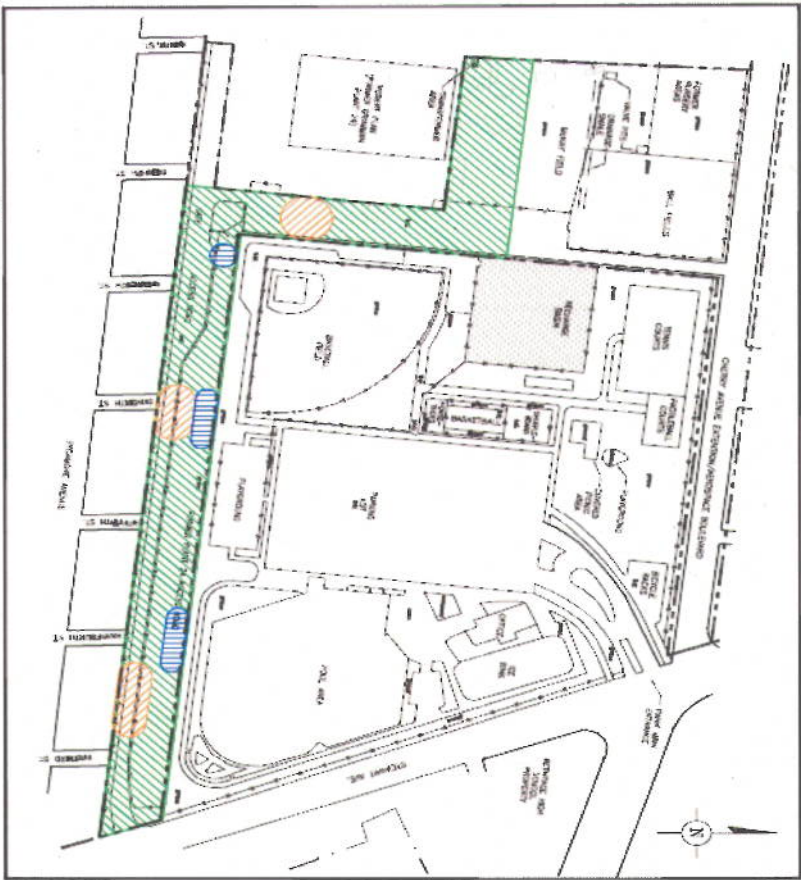
2002: Grumman discovers contamination in soils below ground in the Park.

Summary of Sampling Results

Type of Work	Media Investigated	Number of Locations	Contaminants Tested
Soil Borings	Soil	354	VOC, SVOC, Metals, PCB
Test Pits	Soil	21	VOC, Metals, PCB
Vertical Profile Borings, Shallow	Groundwater, Limited Soil	63	VOC, SVOC, perchlorate
Vertical Profile Borings, Deep	Groundwater	8	VOC, perchlorate
Ambient Air Samples	Ambient Air	4	VOC
Soil Gas Points	Soil Gas	36	VOC
Monitoring Wells	Groundwater	12	Full Suite

Soil Gas Interim Remedial Measure

- Objective:
 - Prevent off-site migration of VOCs in soil gas
- System components:
 - Depressurization/Monitoring Wells
 - Below-Grade Piping
 - Equipment (Blower/Electrical Systems)
 - Emissions Control (Vapor Treatment)



- EXPLANATION**
- NORTH-ROD GRAMMAN PROPERTY LINE
 - FENCE
 - LIMITS OF BETHPAGE HIGH SCHOOL MAIN BUILDING
 - ATLANTIC AVENUE
 - PROPOSED LOCATION OF GROUNDWATER & SOIL GAS INTERW REMEDIAL MEASURE SYSTEMS
 - SOIL GAS PILOT STUDY LOCATION
 - GROUNDWATER BEACH SPILL/TREATABILITY STUDY SAMPLE COLLECTION LOCATION

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						NORTH-ROD GRAMMAN OPERABLE UNIT 3 INTERW REMEDIAL MEASURE SYSTEMS		PROPOSED LOCATION OF INTERW REMEDIAL MEASURE SYSTEMS		NYC01064.1007		8	
		100 West Street New York, NY 10038 Tel: 212 512 2000 Fax: 212 512 2001 www.arcadis-usa.com		100 West Street New York, NY 10038 Tel: 212 512 2000 Fax: 212 512 2001 www.arcadis-usa.com		100 West Street New York, NY 10038 Tel: 212 512 2000 Fax: 212 512 2001 www.arcadis-usa.com		100 West Street New York, NY 10038 Tel: 212 512 2000 Fax: 212 512 2001 www.arcadis-usa.com		100 West Street New York, NY 10038 Tel: 212 512 2000 Fax: 212 512 2001 www.arcadis-usa.com		100 West Street New York, NY 10038 Tel: 212 512 2000 Fax: 212 512 2001 www.arcadis-usa.com	

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Key Project Dates

- Sept. 2004: NYSDEC designates Park as Operable Unit 3 (OU3) Referred to NYSDEC-DER
- June 2005: Northrop Grumman OU3 AOC signed
- March 2006: Final RI/FES Work Plan
- April 2006 July 2007: Onsite RI
- November 2006 to June 2007: TOB IRM RA
- January 2008: Begin GW Remedial Design.
- February 2007-8: Soil Gas IRM RD/RA

Estimated Project Schedule

- **ON-SITE:**
 - RI Field Work: Completed
 - Soil Gas IRM Startup: February 2008
 - RI Report: February 2008
 - Feasibility Study: April 2008
 - Groundwater IRM Startup: September 2008
- **OFF-SITE:**
 - RI Field Work: First Quarter 2008
 - RI Report: June 2008
 - Feasibility Study: September 2008
- Additional Public Meetings: To Be Determined

Public Meetings/Availability Sessions

- 2002-03: Public Meetings on initial Park Findings**
- 2004: Public Availability Session with Northrop Grumman**
- 2005: Public Availability Session for TOB IRM.**
- 2006: Town Public Meetings on the TOB IRM**
- 2007: Public Meeting on RI Status and The Soil Vapor IRM**