

A blue globe is the central focus, featuring a grid of latitude and longitude lines. Overlaid on the globe is a pattern of binary code (0s and 1s) in a lighter blue shade. Several business-related terms are written in a bold, blue, sans-serif font across the globe's surface: 'AEROSPACE', 'ELECTRONICS', 'INFORMATION', 'SHIPBUILDING', 'TECHNICAL', and 'SERVICES'.

NORTHROP GRUMMAN

OU3 RI/FFS Summary

November 12, 2009

Meeting Agenda

- Introductions/Opening Remarks
- Project Background
- Response to 7/23/09 NYSDEC comment letter
- Site Area RI Supplement Revision (CSM)
- Site Area FFS revision (Mass Removal)
- Off-Site RI (CSM)
- Off-site FFS (Preliminary Remedial Action Objectives)
- Schedule
- Closing Comments

Project Background

- Site Area RI Report submitted February 2008
- Site Area FFS submitted August 2009
- IRMs for soil gas (2007) and groundwater (2009) achieving cleanup objectives
- Study Area RI Report submitted October 2009
- Study Area FFS Report due May 2010

Responses to 7/23/09 NYSDEC Comment Letter

- Changes to Site Area RI Report:
 - No changes to Site Area RI report; changes will be made to RI Supplement
- Site history/CSM:
 - Two additional D&B reports will be referenced in RI Supplement
 - CSM from Site Area FFS will be combined with CSM from Study Area RI and added to RI Supplement
- Presence/Nature of Fill – SW Park:
 - F006 waste listing
 - No EP-toxicity testing performed
 - RI Report Appendix B provides details on fill/silt constituents

Responses to 7/23/09 NYSDEC Comment Letter (continued)

- Constituents of concern:
 - Additional COCs will be added to RI Supplement
- Stained soils – Western portion of Plant 24 Access Road:
 - Data tables/text will be added to RI Supplement
 - Data were evaluated during FFS screening of remedial alternatives
- BWD water line:
 - Site plan will be revised to depict water line and added to RI Supplement
 - Utility depths in relation to impacts/risks were evaluated in FFS/HHRA
- FFS:
 - Remedies will be proposed in revised Site Area FFS for mass removal of PCBs and blue-green material
 - Remedial alternatives for Access Road were included in FFS; clarification of comment needed

Responses to 7/23/09 NYSDEC Comment Letter (continued)

- Recharge basin sediment sampling:
 - Town is responsible as part of routine basin maintenance
- RI/FS schedule:
 - Revised schedule submitted by Northrop Grumman in October 2009
- Responses to NYSDEC comment letter will be submitted by 11/25/09

Site Area RI Supplement Revisions (CSM)

- New CSM will combine CSMs from Site Area FFS and Study Area RI
- RI Supplement will be submitted by 12/9/09

Proposed remedy for blue-green material:

- Remediate material from 0 to 10 feet below land surface:
 - Excavation with offsite disposal and
 - Solidification
- Projected results:
 - 98 percent of material remediated 0 to 10 feet bls
 - 450 cubic yards of material treated
 - Cost - \$1,350,000

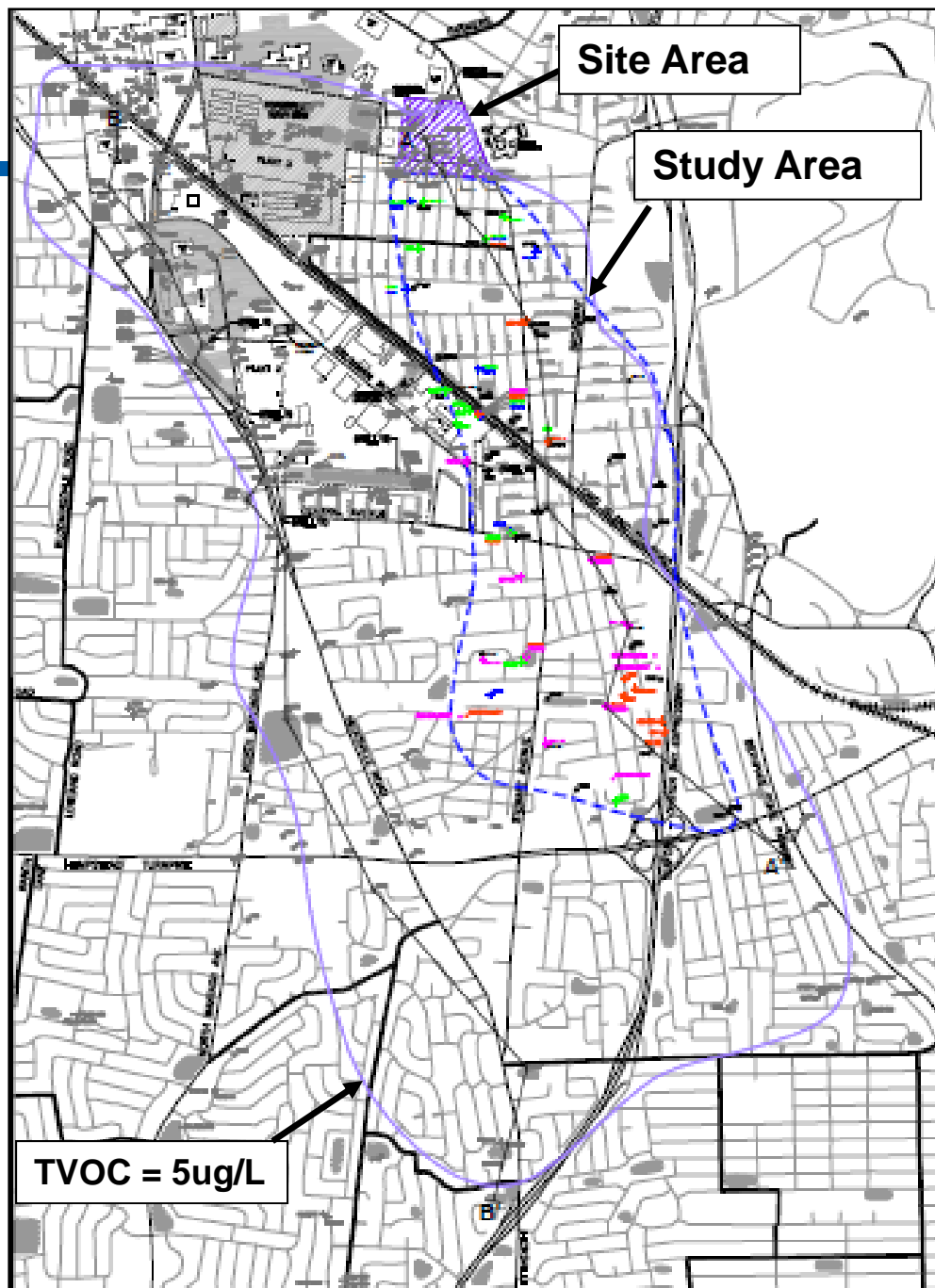
Proposed remedy for PCBs:

- Excavation with offsite disposal of PCBs > 50 ppm from 0 to 6 ft bls (No PCBs > 50 ppm at locations where utilities found deeper than 6 ft., i.e, 6-10 ft. bls)
- Projected results:
 - 100% percent of site-wide PCBs > 50 ppm remediated 0 to 6 feet bls
 - 2,400 lbs PCBs removed
 - Cost - \$4,000,000
- Revised FFS addressing blue-green material and PCBs will be submitted by 1/13/10

Off-Site RI

Study Area CSM:

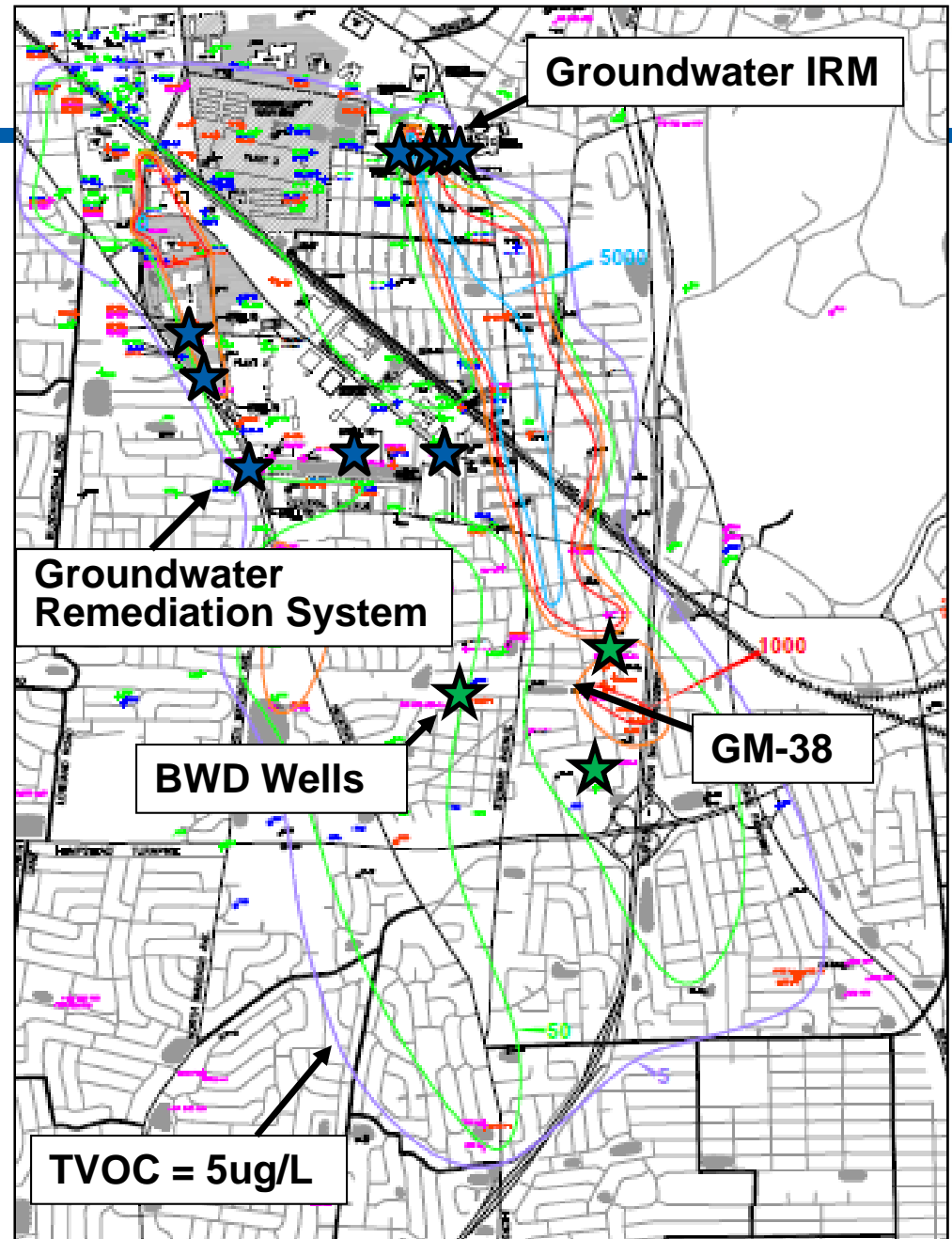
- Study Area is 11% of larger regional VOC-impacted area
- Historical releases came from Site Area & nearby industrial sources



Off-Site RI (continued)

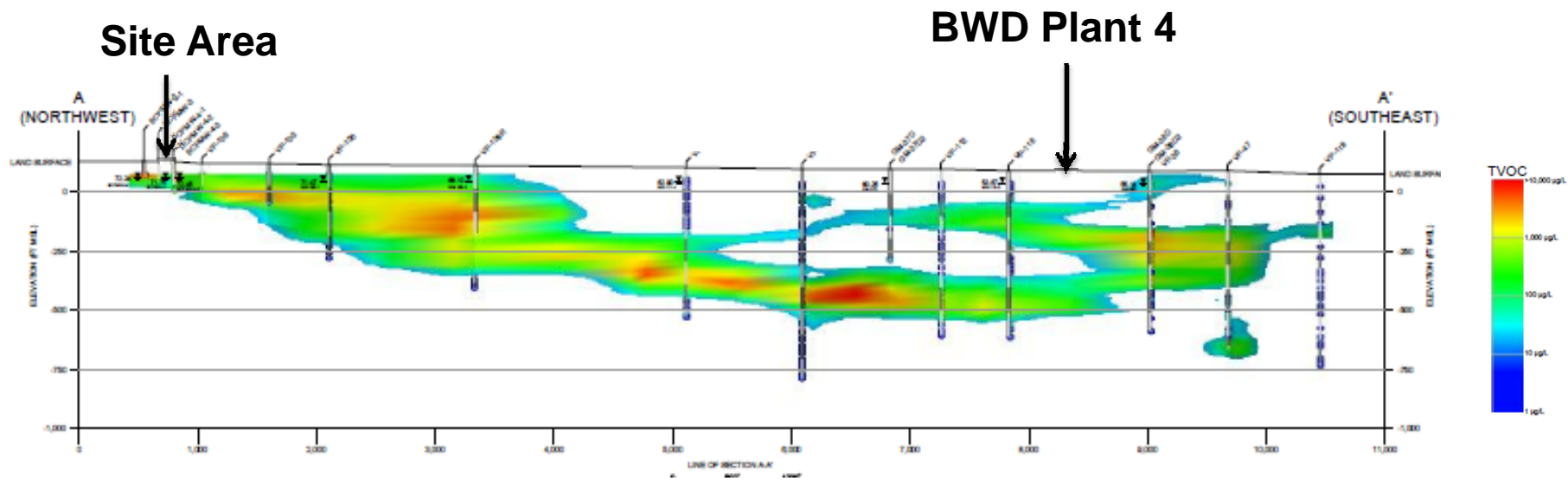
Study Area CSM:

- Historical pumping & recharge distributed VOCs laterally and vertically throughout the region
- Municipal wells affected but water treated, so no exposures
- Groundwater remediation systems in place to address regional impacts



Off-Site RI

Study Area CSM



- Historical pumping and recharge caused downward VOC migration (>500 ft bls)
- Parameters not all linked to Site Area (e.g., PCE in shallow part of plume)

Off-Site FFS

Preliminary Remedial Action Objectives:

- Prevent delivery of water to public with VOC concentrations exceeding NYSDEC Standards, Criteria, and Guidelines (SCGs)
- Reduce mass of VOCs in Study Area groundwater
- More specific RAOs needed for:
 - Active remediation & MNA
 - Acceptable long-term Water District influent concentrations
- Off-Site FFS will be submitted May 2010

- November 2009 – 2nd round of groundwater sampling, complete
- November 2009 – February 2010 - Meetings with project stakeholders:
 - Bethpage Water District
 - NYSDEC/NYSDOH
 - NCDOH
 - NCDPW/NYS DOT
 - Elected officials
 - Navy
 - TAC Members
- November 2009 – May 2010 - Groundwater modeling, conceptual remedial design and prepare FFS
- May 2010 – Submit FFS

Closing Comments