

Northrop Grumman and Navy Bethpage Site Meeting Summary

USEPA and NYSDEC Region 3 New Paltz September 11, 2012

NYSDEC Minutes

Participants:

- Representing USEPA: George Pavlou, John La Padula, Peter Mannino, Rob Alvey, Carol Stein
- Representing NYSDEC: Gene Leff, Bob Schick, Jim Harrington, John Swartwout, Steve Scharf, Larry Rosenmann

Meeting works off Agenda prepared by EPA with four items and eight talking points.

1. Review of eight EPA "Priority Points."

- **Point 1: Conduct additional Delineation of the Western Plume.** – This delineation is a priority item, see No.2
- **Point 2: Contingency Remedy for Western Plume.** - DEC supports the idea of treatment as appropriate - Need to further delineate SW corner before determining whether treatment is appropriate. This further delineation is a priority item and must be based on hotspot removal, not on prevention of plume migration. Looking at 2 phased approach: 2 year investigation / design effort followed by 2 year construction effort (if appropriate). Reiterate the discussion from the 7-25-2012 EPA-DEC meeting on various technologies for groundwater treatment. EPA wants mini-FS. DEC would do an ESD factsheet.
- **Point 3: Installation of Outpost Monitoring Wells for Potentially Affected Water Districts:** Review SFWD plant 6, SFWD Plant 4 and Massapequa Water District wellfield to the south needing outpost wells. Also, potentially, there is another eastern wellfield needing outpost well(s). Installation of outpost wells for the SFWD plants 4 and 6 are high priority items. EPA will look into the DOD Navy's budget issues to expedite work here.

Action Item: Meet with MWD ASAP to let them know plans for outpost wells..

- **Point 4: Hotspot Up gradient of BWD Plant 5.** - Overall, this is the OU3 plume that will be addressed by the upcoming OU3 ROD remedy.

Action Items: DEC will setup a meeting with EPA, the Navy and possibly Grumman to let them know what we want to accomplish on above bullets 1 thru 4.

- **Point 5: Bethpage Water District Plant 6 Air Stripper.**- New system upgrades but might need air controls. Looking into Navy taking over plant 6 is a possibility and installing the new Bethpage State Park well. This covers the new \$7.5 Million dollar bonding of BWD.
- **Point 6: Bethpage Water District Plant 4 Air Stripper.** - May need air treatment. Further discussion on the possible use of Plant 4 as part of a remedial solution ensued.
- **Point 7: GM75D2 Sampling & possible Extraction in Western Plume.** – This is covered under points 1 and 2.

- **Point 8: Development of a comprehensive Site Management Strategy:** All agreed this is important and will be added to this remedial program as part of the ongoing OMM. Release of the OU2 ESD or fact sheet and the OU3 ROD as concurrent items.

2. Proposed Expanded Language for the OU3 ROD as per D. Garbarini's 09-09-2012 email to Harrington:

Overall, the language looks good except for the 18 month timeframe. However, timeframe will not be included because this is not a high priority at this time.

3. Current OU2 ROD and Flexibility for added Western Pump and Treat Overall, DEC can issue an ESD.

4. Overall Time for Completing the OU3 ROD and Responsiveness Summary. Current target date is mid-November.

Priority follow-up actions:

1. Initiate further delineation of western plume and hotspot.
1. Outpost well installation for SFWD Plants 4 and 6
2. BWD Pump test. This should include a full synoptic water level and monitoring of all appropriate wells.

Additional Priorities

- Clean up VPB 38 area (BWD plants 4 and 5)
- Conduct a full synoptic monitoring of all wells to assess current conditions.

General:

DEC will follow up on the 3 major "Priorities Items."
EPA agrees to go through DEC for all major contacts with Grumman and the Navy.
DEC will contact MWD, EPA will Contact senator Schumer's Office.
DEC will discuss internally ESD on OU2 for SW pump and treat
Points 4, 5 and 6 are BWD treatments and DEC will look into this

Navy Northrop Grumman/ Bethpage Groundwater Plume

USEPA Summary of Meeting held September 11, 2012 between NYSDEC and EPA in New Paltz, NY

Attendees:

NYSDEC: Gene Leff, Robert Schick, Jim Harrington, John Swartout, Steve Scharf, Larry Rosenmann

EPA: George Pavlou, John LaPadula, Doug Garbarini, Pete Mannino, Carol Stein, Rob Alvey

Summary: Attendees went over four agenda items, as follows:

- (1) The 8 priority points identified at New Paltz meeting held 07-26-2012

The priorities were narrowed down into three priority categories, as follows:

- (a) Focused contingency remedy for the western plume for protection of South Farmingdale Water District Plant 6 wellfield. Hot spots would be identified via additional delineation of the western plume. Focused extraction of hot spots appears to be the appropriate remedy. Although we recognize that there is no guarantee that hot spots would be found, the Navy would be asked to apply for funds for the focused extraction early in the budgeting process to help eliminate the administrative time needed to get the remedy going.
- (b) Installation of outpost wells for potentially affected water district wellfields. The highest priority outpost wells are, in order, as follows: (i) SFWD #6; (ii) MWD #4/5, and (iii) SFWD # 4 (6148). The next priorities would be (iv) MWD - #6/7 (v) Aqua NY (to south west) #4D/5D/6D, and (vi) MWD #9
- (c) Protection of Bethpage Water District wells, specifically BWD #4, #5, and #6. If BWD files a lawsuit to cover the costs of upgrading its wellfields, the funding for these actions might be coverable under a DOJ mechanism.

DEC and EPA management would schedule a videoconference with the Navy (Richard Mach) to urge Mr. Mach to budget for these priorities.

- (2) The proposed expanded language for the OU-3 ROD, as per Doug Garbarini's e-mail to Jim Harrington, dated 09-07-12

NYSDEC concurred with most of the language, with the exception of setting a deadline (of 18 months) for assessing whether additional groundwater remediation would be needed at the leading edge of the OU-3 plume. DEC will be preparing revised language.

- (3) Discussion of whether the existing ROD had sufficient flexibility to allow for proposed augmentations of work to be done under the ROD (i.e., additional sampling, possibility of 2 extraction wells in southwest plume

upgradient from SFWD #6), or whether a short ESD or fact-sheet might be warranted (possibly concurrently with OU-3 ROD) to inform public of the overall USEPA/NYSDEC strategy for off-site groundwater.

It was decided that DEC would prepare a short ESD in the form of a letter report (2 to 3 pages) to discuss the proposed augmentation of OU-2. It was agreed that DEC would make this ESD available to the public concurrent with DEC's issuance of the final ROD for OU-3. This would provide the public with an overall strategy for management of the plumes associated with the Navy- Northrop Grumman Bethpage facility.

(4) Overall timing for completion of the OU-3 ROD and Responsiveness Summary.

NYSDEC anticipates completion of the OU-3 ROD by mid-December 2012.