NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Site Operations and Maintenance Review Report

Form Dale 96.10.01

Site Name: Grumman Aerospace Bethpage Facility **Class:** 2 **Number:** 130003A

O&M Funding Source: ☐ State Superfund ☐ Federal Superfund ☐ Municipal ✔ Responsible Party

O&M Information: O&M Start: June 1998 End: Annual Cost: $ ☐ Estimated

Interim Remedial Measures/Operable units-in O&M Phase:

☐ Drum Removal	☐ Soil Removal	☐ Tank Removal
☐ Cap/Cover	☐ Containment Structure	☐ Fence/Security
✔ Groundwater Recovery/Treatment	☐ Leachate Collection/Treatment	☐ Vapor Extraction/Treatment
☐ Air Sparging/Stripper System	☐ Treatment/Filtration Plant/System	☐ Potable Water Supply/System
☐ Other:		

Institutional Controls: ☐ Deed Restriction ☐ Discharge Permit ☐ Department of Health Sampling
☐ Other:

O&M Review Information:

Reports: Second Quarter 2000 (Received April 18.2001) Arcadis Geraghty & Miller Groundwater Monitoring Report

Inspection: Site visited May 17, 2001

Sampling:

Other:

Conclusions:

Remedy Effective? ✔ Yes ☐ No:

ROD Compliance? ✔ Yes ☐ No: The IRM Remedies are the selected remedies

Consent Order Compliance? ☐ Yes ☐ No:

Other:

Recommendations: The design pumpage of this groundwater pump and treatment system is impressive. Wells GP-1, ONCT-1, ONCT-2, and ONCT-3 are 1075 gpm, 1000 gpm, 600 gpm, and 700 gpm respectively. A total rate of 3,375 gpm at 100% delivers 4.86 MGD, and is an impressive capacity. Two separate facilities are used to air-strip the flow. A unique carbon treatment of the air-stripper off gas, captures the VOCs (mainly TCE) and then is steam stripped based upon plant experience. A blast of steam into the carbon vessel, flushes out the TCE and both the TCE and steam is condensed into a decant tank. The heavier TCE separates to the bottom and is shipped out as waste TCE in 55 gallon drums. The water that is decanted off as supernatant is recycled through the air-stripper. The life of the carbon is a matter of years, and as it becomes older requires steam stripping every 12 hours instead of every 24 hours. This facility is a major operation and appears to run well.

ROD/Consent Order Modifications? ✔ No ☐ Yes (per above) Reclassify the Site? ✔ No ☐ Yes → Class:

Comments: The only problem that has been noted is the lag in receiving O&M reports. The second quarter for 2000 was just received this past April 2001. Large sites do tend to have larger reports. Influent concentrations to Plant WWRP 5E, which receives water from ONCT 1,2, &3, averaged 872 ppb TCE, while Plant WWRP 5W which handles GP-1, was 1,189 ppb TCE. At the pumping rate these plants process, a significant removal is being attained with 83% of the design pumpage reported for the second quarter of 2000.

Next Annual Review: May 2002

Project Manager:			Reviewer:		
Carl R Hoffman	May 29,2001		Thomas A Reamon	5/30/01	
Signature	Date		Signature	Date	
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