exceedances of the sediment target level in December 2000 (32.5 and 47 ug PCB/gC) and one in June 200l (30 ug PCB/gC). Sedimentation basin sediment samples indicated PCB levels below the sediment target value of 20 ug PCB/gC. OU1 cap swale sediment samples have also shown decreasing levels of PCBs from 1.47 mg/kg (April 2000) to 0.13 mg/kg (June 2001) (OBG, 2001c).

5.3.2 Operable Unit 2

5.3.2.1 Sediment and Soil Monitoring

Sediment samples were collected from four locations along the unnamed stream in October 2001 and analyzed for PCBs and TCO as outlined in the Long Term Environmental Monitoring Section of the OU1 ROD (Section X.A.8), and the PCEMP. PCBs were detected in one of the four sediment samples collected from the unnamed stream, but at a concentration below the sediment target level of 20 ug/gC set forth in the OU1 ROD (Section X.B.2) (NBE, 2001).

Sediment samples were collected from six non-aquatic plot areas in the Middle Marsh and adjacent wetlands in October 2001 as part of the Long Term Environmental Monitoring Plan outlined in the OU2 ROD (Section X.B.1), PCBs were detected in three of the six sediment samples at levels well below the soil cleanup level of 15 mg/kg total PCBs (NEE, 2001).

Sediment samples were also collected in August 2002 from four locations within the unnamed stream, within the area of OU2 impacted by the remedial action construction, and analyzed for PCBs and TCO. Aroclor 1254 was detected in sediment samples from three out of four locations at levels below the sediment target level. Six wetland soil samples were also collected in August 2002, within the Middle Marsh and adjacent wetlands of OU2, and analyzed for PCBs, Low levels of Aroclor 1254 (well below the 15 mg/kg total PCBs cleanup level) were detected in four out of six soil samples.

5.3.2.2 Surface Water

Surface water samples were collected in October 2001 from the same four locations where sediment was collected in the unnamed stream and analyzed for PCBs and pH. PCBs were not detected above the detection limit in any of the samples collected (NEE, 2001).

Surface water samples were also collected in August 2002 from four locations within the unnamed stream and analyzed for PCBs and pH. Again, PCBs were not detected above the detection limit in any of the samples collected (NEE, 2003).

5.3.2.3 Wetlands

The first full year of wetlands monitoring occurred in 2002 and a report was submitted in 2003 summarizing the results (NEE, 2003), The Executive Summary stated in part:

> During 2002, the performance standard which requires a minimum of 75% areal coverage of non-invasive wetland species has not yet been met for all plant plots. Two of the six OU2 plots, and seven of the thirteen OU1 plots have met or exceeded the performance standard. All of the remaining plant plots are progressing well, and they are expected to meet the 75% areal coverage by the end of the 2003 growing season.
>
> The woody plant survival rate of greater than 80% has been met in the OU1 Mitigation Area East and the OU1 Stream Restoration Area. None of the other areas have met the standard. In response to

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Five-Year Review Report

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New Bedford, MA

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