

## **1.0 Overview:**

During September 2002, General Electric Company (GE) and its contractor Maxymillian Technologies Incorporated (MTI) substantially completed work on the Upper ½ Mile Reach Removal Action. The primary river work included completing bank restoration activities in Cell J3. In addition, response actions associated with the August 2002 vegetation monitoring event were performed and the final plantings were installed for the Upper ½ Mile Reach, and demobilization activities were continued during the month of September.

The final weekly status meeting was held on September 10, 2002. No future weekly status meetings are scheduled. In addition, this will be the final monthly report submitted under the requirements of the Work Plan for the Upper ½-Mile Reach Removal Action.

## **2.0 Chronological description of the tasks performed:**

Refer to the figure (Exhibit A) referenced in Section 4.0 and attached to this report for an orientation of the sheetpile cells and their respective locations.

At the beginning of September, closure activities were continued for Cell J3. The removal of the cutoff wall sheetpiles (initiated at the end of August) from the river was completed for the cell. The sheetpiles were then transferred to the decontamination pad for cleaning prior to removal from the site. In addition, response activities associated with the August 2002 vegetation monitoring event were performed. Deficient herbaceous cover areas identified during the vegetation inspection (including additional areas identified during performance of the work) were addressed by removal of debris, adding topsoil, and placing grass seed and mulch, as necessary. These areas were then watered on a daily basis to aid in the growth of vegetative cover. Invasive species control activities were performed for cells designated for fall 2002 plantings prior to installation of the canopy and understory plantings.

Also during the first week, MTI continued to perform demobilization, decontamination and cleanup activities for the project work areas. Material, equipment, and supplies were transferred to the decontamination pad for cleaning prior to leaving the site. At the request of EPA, the pavement in the Lyman Street parking area was restored by patching asphalt as needed. The flotation silt curtain was removed from the river downstream of the Lyman Street Bridge. Breakdown and removal of water handling system was completed (excluding the 500,000 gallon settling tank). MTI also continued decontamination activities for sheetpiles, material and equipment used during performance of the Upper ½ Mile Reach activities.

During the second week of September, restoration activities were completed for the bank area of Cell J3. Bank restoration activities included completing installation of a swale on the bank near mid-cell J3. Other bank restoration activities included placement of backfill in the removal areas, then placing topsoil and grass seed to complete the bank

restoration. A post-restoration survey was performed to record the final elevations of the bank area for Cell J3 to complete restoration activities. Also during the second week, removal and restoration activities for bank soil near Cell I1 and the Newell Street parking area (polygon associated with sample location RB-7) was completed. Soil was excavated to a depth of 3 feet and was transferred to the Building 71 On-Plant Consolidation Area (OPCA). The bank removal area was restored by backfilling the excavation, and placing topsoil and grass seed for top dressing. A final post- restoration survey for the Cell I1 polygon was completed to record final elevations. MTI also performed maintenance activities by removing sediment from the river at the base of four swales (two located in Cells H1/H2, one located in Cell I1, and one located in Cell I3) as requested by EPA.

During the third week of September, final plantings were installed along the banks of the Upper ½ Mile Reach. Plantings were installed as part of the vegetative restoration and in response to the August 2002 monitoring event in Cells A, C, E, G, H, I, and J. As part of the planting installation, tree guards and arbor-locks were installed around the canopy plantings and salt marsh hay (mulch) was installed at the base of both understory and canopy plantings. A watering system was installed and the plantings were then watered on a daily basis, as needed.

During the fourth week of September, demobilization and cleanup activities for the Upper ½ Mile Reach work areas were continued. The 500,000 gallon settling tank that was part of the water handling system was partially deconstructed. Sediment samples were collected from the bottom of the tank for disposal characterization. Decontamination and demobilization activities for material and equipment from the project were also continued this week. In addition, invasive species control activities were performed along the banks of the ½ Mile Reach to treat and remove undesirable vegetative species.

Sampling/monitoring activities completed during the month of September included collecting backfill and disposal characterization samples. Supplemental samples were collected for disposal characterization from the roadway material stockpile for toxicity characteristic leaching procedure (TCLP) analysis. Sediment samples were collected for disposal characterization from the 500,000 gallon settling tank for polychlorinated biphenyl (PCB), volatile organic compound (VOC), semi-volatile organic compound (SVOC), and TCLP analysis. Additional backfill samples were collected from the isolation layer material for gradation, PCB, and total organic carbon (TOC) analysis.

Daily water column monitoring for turbidity and total suspended solids (TSS) was performed at the beginning of September. With EPA consent, the water column monitoring was discontinued for the remainder of the project on September 4, 2002 following completion of intrusive river activities.

During mid-September, the toxic substances control act (TSCA) and non-TSCA stockpile areas were deconstructed and the non TSCA material stockpiled in Building 33-north was transferred to the Hill 78 OPCA and the TSCA material stockpiled in Building 33X was transferred to the Building 78 OPCA for final disposition. In addition, Building 65 and

Building 68 stockpile pads were used as temporary storage areas for NAPL-impacted material removed from Cell J3. This material was transferred for off site disposal during September. The Building 65 stockpile area was deconstructed and disposed off site with the Cell J3 material, however, the Building 68 stockpile pad may be used to stockpile material from the 500,000 gallon tank prior to off-site disposal. As a result, the Building 68 pad will be deconstructed and removed after completion of the tank removal.

### **3.0 Sampling/test results received:**

Tables 1A and 1B presents water column monitoring results for PCBs, turbidity, and TSS.

Table 2 presents disposal characterization PCB, VOC, SVOC, and inorganic sample results for decontamination water.

Table 3 presents disposal characterization TCLP sample results for the roadway material stockpile.

Table 4 presents disposal characterization PCB sample results for sediment collected from the 500,000 gallon settling tank.

Table 5 presents disposal characterization VOC and SVOC sample results for sediment collected from the 500,000 gallon settling tank.

Table 6 presents disposal characterization TCLP sample results for sediment collected from the 500,000 gallon settling tank.

Table 7 presents PCB and TOC sample results for isolation layer backfill material.

### **4.0 Diagrams associated with the tasks performed:**

A figure presented as Exhibit A shows the location and the progress of work for Cells H, I, and J along the Upper ½ Mile Reach and is attached to this report for reference. As shown on the figure, work tasks have been substantially completed for the entire Upper 1/2 Mile Reach.

A summary chart (Exhibit B) has been developed to assist in tracking the analytical and physical testing requirements of the various sources of backfill (e.g., isolation material, soil back fill, riprap rock, etc.). Exhibit B includes the source, type and quantity of backfill materials, information regarding the analytical and physical testing required by the Work Plan, and the source backfill sampling that has been performed to date.

### **5.0 Identification of reports received and prepared:**

During the month of September, a meeting summary from the weekly project status meeting was submitted. Also, for work completed in August 2002, the monthly reports

required by the Consent Decree and the Upper 1/2-Mile Reach Removal Action Work Plan were both submitted. In addition, during September, GE submitted the following documents:

- Letter report regarding *Isolation Layer TOC Sampling*, dated September 9, 2002; and
- Letter report regarding *Trip Reports – August 2002 Vegetation Monitoring and Armor Cap and Habitat Structure Monitoring*, dated September 11, 2002.

#### **6.0 Photo documentation of activities performed:**

- See attached Figure 1.

#### **7.0 Description of work anticipated to be performed in October 2002:**

For the next period, the following activities are anticipated to be performed:

- Complete off-site disposal of sediment from the 500,000 gallon settling tank.
- Complete removal of the 500,000 gallon settling tank.
- Complete removal of the Building 68 stockpile pad.
- Complete general decontamination, demobilization, and cleanup activities for the Upper 1/2 Mile Reach.
- Perform supplemental TOC sampling, seepage meter study, modeling and analysis for the isolation cap layer, as approved by EPA.

#### **8.0 Attachments to this report:**

Tables 1A and 1B – Daily water column monitoring results.

Table 2 – Decontamination water PCB, VOC, SVOC, and inorganics sample results.

Table 3 – Supplemental roadway material stockpile TCLP sample results.

Table 4 – PCB sample results for 500,000 gallon settling tank sediment.

Table 5 – VOC and SVOC sample results for 500,000 gallon settling tank sediment.

Table 6 – TCLP sample results for 500,000 gallon settling tank sediment.

Table 7 – Isolation layer backfill PCB and TOC sample results.

Exhibit A – Figure showing the progress of work within the Upper 1/2-Mile Reach.

Exhibit B – Backfill sampling chart.

Figure 1 - Photo documentation.