

Fletcher's Paint Works and Storage Facility Superfund Site Results of Air Sampling at the Elm Street and Mill Street Areas

April 1, 2016

Community Update

General Electric (GE) and their contractor, Maxymillian, have started the excavation and off-site disposal of soils contaminated with polychlorinated biphenyls (PCBs) at the Mill Street and Elm Street areas of the Fletcher's Paint Works Site. EPA is committed to completing this cleanup project in a timely manner, but first and foremost, wants to ensure the safety of surrounding residents during the cleanup.

With respect to safety, air monitoring at the property boundary for both the Elm Street and Mill Street areas is required. A total of seven air monitoring stations have been established: three each at the perimeter of the Elm Street and Mill Street areas and one background location, (see enclosed figures for locations). The air monitoring plan established a trigger, or action level, of 0.1 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) for PCBs in air. When this action level is exceeded, excavation work is temporarily stopped, and the need for more aggressive controls to further reduce PCB emissions from the site are evaluated. Exceeding the action level of 0.1 $\mu\text{g}/\text{m}^3$ does not constitute an immediate public health threat. The action level is conservative and is designed to protect against long-term exposures of years versus short-term exposures over weeks to months.

Air sampling for PCBs started on February 18, 2016, when excavation of contaminated soil began. The results received to date are provided in the table below with the highlighted results being over the action level.

Table 1: PCB Results by Sampling Station

Sampling Event Date	Action Level ($\mu\text{g}/\text{m}^3$)	FP-1 Elm Street ($\mu\text{g}/\text{m}^3$)	FP-2 Elm Street ($\mu\text{g}/\text{m}^3$)	FP-3 Elm Street ($\mu\text{g}/\text{m}^3$)	FP-4 Mill Street ($\mu\text{g}/\text{m}^3$)	FP-5 Mill Street ($\mu\text{g}/\text{m}^3$)	FP-6 Mill Street ($\mu\text{g}/\text{m}^3$)	FP-7 Background ($\mu\text{g}/\text{m}^3$)
2/18/16	0.1	0.000262	0.000262	0.000307	0.104	0.497	0.0283	0.000206
2/19/16	0.1	0.0266	0.00528	0.00343	0.218	0.128	0.0821	0.00228
3/10/16	0.1	0.149	0.065	0.0722	1.19	1.95	1.46	0.00220
3/22/16	0.1	0.01016	0.00471	0.0129	0.0317	0.194	0.312	NA
3/23/16	0.1	0.024	0.0133	0.0368	0.182	0.607	0.605	NA
3/24/16	0.1	0.0328	0.0589	0.00178	0.243	0.0632	0.0244	NA

NA = not analyzed due to consistency in background data.

Following receipt of the February sampling results, all stockpiles and open excavations at the Mill Street area were covered with poly sheeting weighted with sandbags and additional air samples were collected on March 10, 2016 for PCB analysis. Since the air levels of PCBs continued to exceed the action level, GE initiated additional control measures on March 18, including:

- (1) cessation of all active excavation;
- (2) wet power broom sweeping of streets and adjacent roadways;
- (3) power washing of Mill Street, Jersey Barriers and adjacent roadways;
- (4) installing of a dust/wind screen;
- (5) perimeter misting system and sprinklers;
- (6) application of a tackifier agent to all exposed soil surfaces to prevent wind erosion;
- (7) re-installing 6-mil poly tarps weighted with sand bags over all exposed soil.

Following implementation of these corrective actions, PCB sampling frequency was increased to daily. The Table above reports the air data through Thursday, March 24. Although air levels are improving, the air levels of PCBs continued to exceed the action level at Mill Street. Therefore, on Wednesday, March 30, GE applied vapor suppressing foam on portions of the Mill Street area and added a fourth air monitoring station at the Mill Street area.

EPA will evaluate the air results now that vapor suppressing foam has been applied to determine whether this additional corrective action has been successful. If PCB concentrations continue to exceed the action level, EPA will evaluate other corrective actions.

We will continue to keep the Town and local residents up to date as more data is collected and corrective measures taken are evaluated.

For More Information:

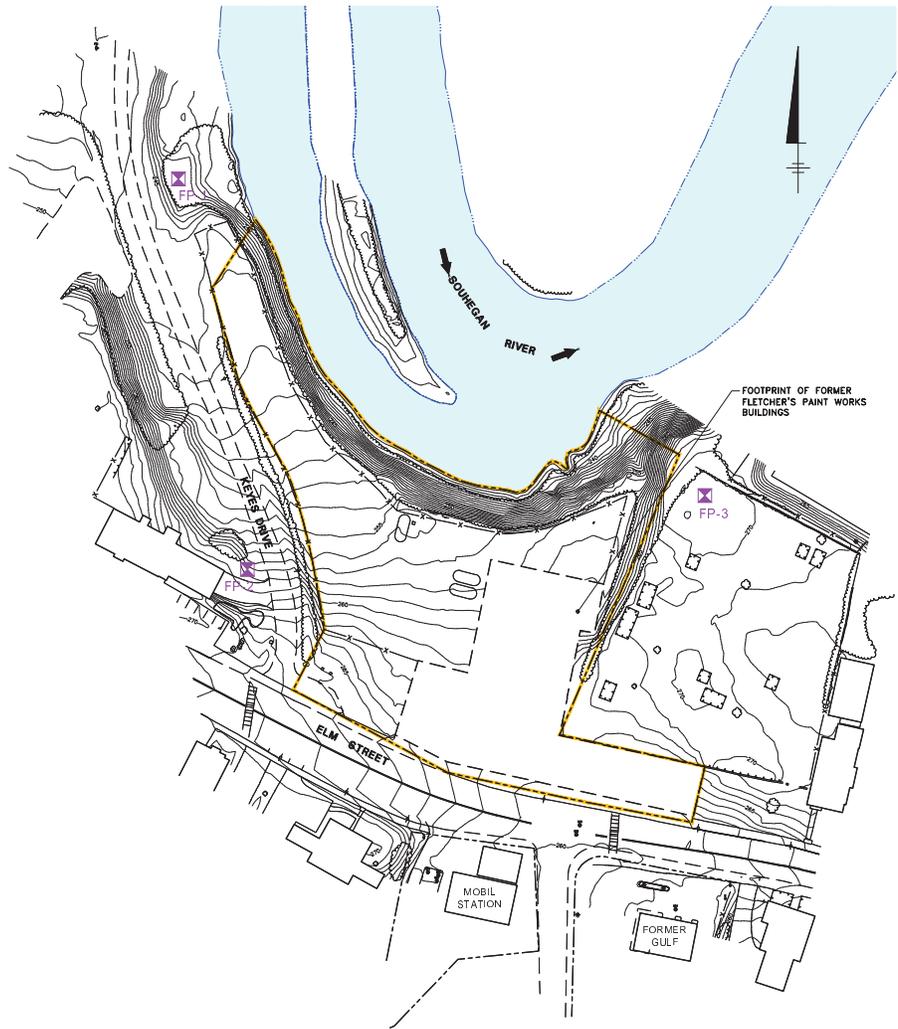
Jim Brown, Project Manager
U.S. Environmental Protection Agency
617-918-1308
Brown.Jim@epa.gov

Jim Murphy, Community Involvement Coordinator
U.S. Environmental Protection Agency
617-918-1028
Murphy.Jim@epa.gov

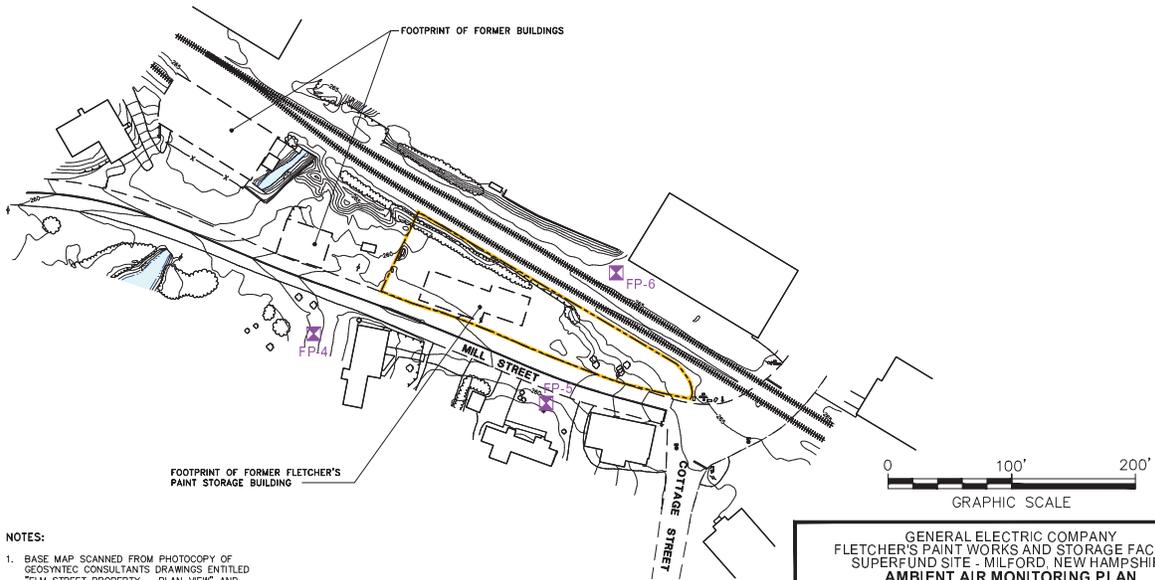
Andrew Hoffman, Project Manager
New Hampshire Department of Environmental Services
(603) 271-6778
Andrew.Hoffman@des.nh.gov

XREFS: IMAGES:
 20985001
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 20985003

- LEGEND**
- SITE BOUNDARY
 - SURFACE ELEVATION CONTOUR
 - UNDERGROUND STORAGE TANK
 - - - EDGE OF WATER
 - WATER
 - ▭ BUILDING
 - - - FORMER BUILDING
 - FP-1 (X) APPROXIMATE LOCATION OF AMBIENT AIR PCB & PARTICULATE MONITORING STATION



DETAILED SURVEY INFORMATION IN THIS AREA NOT AVAILABLE; HOWEVER, ELM STREET AREA, MILL STREET AREA, AND THE PRIMARY TRUCK STAGING AREA ARE POSITIONED CORRECTLY RELATIVE TO ONE ANOTHER



NOTES:

1. BASE MAP SCANNED FROM PHOTOCOPY OF GEOSYNTEC CONSULTANTS DRAWINGS ENTITLED "ELM STREET PROPERTY - PLAN VIEW" AND "MILL STREET PROPERTY - PLAN VIEW", DATED APRIL 1999 AND FROM SURVEY PROVIDED BY THE CLIENT.
2. ALL LOCATIONS ARE APPROXIMATE.
3. AMBIENT AIR MONITORING STATION LOCATIONS WERE SELECTED BASED ON THE LOCATION OF POTENTIAL RECEPTORS AND SITE ACTIVITY, AND PREVAILING WIND DIRECTIONS.

GENERAL ELECTRIC COMPANY
 FLETCHER'S PAINT WORKS AND STORAGE FACILITY
 SUPERFUND SITE - MILFORD, NEW HAMPSHIRE
 AMBIENT AIR MONITORING PLAN

ON-SITE MONITORING LOCATIONS

DRAFT
 FOR EPA REVIEW



