

Project Memorandum



BLOOMINGTON PLANT SITE

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From: **Mike Hessling**
Cc:
Date: **January 17, 2008**

WEEKLY PROJECT STATUS REPORT

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Sampling Activities

Sampling activities continued on Friday January 11 and resumed to start the second full week on Monday, January 14. Weather was generally cold and breezy but favorable. A couple of rounds of snow flurries but the wind generally kept the slab clear.

The drill rig crew completed the remaining 11 borings in the Pipe Trench/Roof Drain area and moved to the F30 Surface Grids. Through Wednesday January 16, all 33 of the F30 Surface Grid borings had been completed, as well as the 14 Testing Lab borings and 3 of the 6 Northeast Building Perimeter borings. The final 3 PCB borings will be completed today, Thursday, January 17.

Other work completed during this period included the collection of all 37 of 39 Bulk Concrete PCB samples (PCB Hammer Drills). Two remain to be completed in the F30 Sump area.

Analytical Results

The PBS soil results for the first 10 soil borings have been received through Tuesday, January 15. Additional results were received late yesterday. These will be mapped later today.

The first round of VOC analyses were received this week. All results are BDL for all constituents, so this data is being transferred to tables rather than figures. If any VOC "hits" are encountered, these will be mapped and distributed quickly.

Concrete Coring

The concrete coring effort has encountered a slab thickness of 14" or more (bottom not found) at several locations, including: along the Sewer Pipe Trench (2), in the F30 Surface Grids (1), the Testing Lab (1) and along the Northeast Building Perimeter. In each case the excess thickness was noted in the field and the core location offset about 2 feet. At boring BT-XX303 along Sewer Pipe Trench the core had to be offset twice before a normal slab thickness (nominal 6") was encountered. This aspect of the coring work has not been a major impediment and has not held up the drilling operation thus far, but it has resulted in the drilling of a few more concrete cores than originally planned.

Cyanide Analysis

The laboratory has encountered a problem with the cyanide analysis. AS a result, an amendment to the QAPP is being prepared to change the cyanide analytical method from OIA-1677 available cyanide to SW846-9012B total and amenable cyanide. The new method is appropriate from this work, and EPA should have no problem with the change. The technical explanation is this:

Under the original method, the combination of the weak acid cyanide distillation and the reagents of the OIA-1677 method were not compatible and caused all of the blanks, standards and sample to show false positive results.

Week 3 Projection (Thursday through Wednesday: January 17 – 23)

- Complete all 51 cores and borings for General Screening of concrete and soils (100X100 grids).

Based on the 10 day Weather.com forecast for the Bloomington area, daytime temperatures through the next work week up to January 24 are expected to be in the low to mid-30s, with overnight lows in the high teens to low 20s. No significant precipitation is forecast. At this time we anticipate concluding this phase of the project on schedule.