

Appendix H

**Deposit POG1-B Remediation Phase 2 –
Post Construction Monthly Reports**

Deposit POG1 B, Phase 2 Post-Construction Status Report – January 2007

Purpose: Comply with Wisconsin Department of Natural Resources (WDNR) conditional work plan approval for remediation of Deposit POG1 B, dated September 11, 2006. The conditional work plan approval required monthly reports following construction activities to remediate Deposit POG1 B. The monthly reports must document the condition of the erosion control measures and any required maintenance activities. The monthly reports must be submitted the first week of each month until the area is re-vegetated and stable.

The construction at Deposit POG1 B was completed on November 3, 2006. A summary of construction activities was submitted to Ms. Kristy Rogers of the WDNR on November 29, 2006. A monthly post-construction report was submitted for December 2006 and this constitutes the January 2007 monthly post-construction report.

Observations: The area of Deposit POG1 B was observed by STS Consultants, Ltd (STS) on January 9 and 17, 2007. Observations on both days indicated the site was in good condition and there was no notable slope erosion. Only one set of human foot-prints, and several small animal tracks were observed, indicating the temporary snow fence along the pedestrian path is limiting site access. There was no observed damage to the erosion control mat or shrubs.

A thin sheet of ice had formed on approximately the western two or three hundred feet of Little Lake Butte des Morts, including the cove adjacent to Deposit POG1 B, on January 9, 2007. The lake surface was almost completely frozen over on January 17, 2007. The surface of the ice intersected the lower portion of the silt fence along the shoreline. Portions of the silt fence that were down in December were now frozen into the ice and could not be recovered for repair. Site conditions on January 17, 2007 are shown in Photograph 1.

Photograph 1 – Shoreline looking north from pedestrian bridge.



Recommendations: With the ice cover and stable slope conditions no activities are proposed. When the ice thaws and the silt fence is again accessible, it should be repaired to help reduce erosive forces of wind and wave action. Fallen sections of the silt fence should be repaired by stapling or wiring existing or new geotextile to the support stakes.

Prepared by: Steven Shimek, STS Consultants, Ltd.

Deposit POG1 B, Phase 2 Post-Construction Status Report – February 2007

Purpose: Comply with Wisconsin Department of Natural Resources (WDNR) conditional work plan approval for remediation of Deposit POG1 B, dated September 11, 2006. The conditional work plan approval required monthly reports following construction activities to remediate Deposit POG1 B. The monthly reports must document the condition of the erosion control measures and any required maintenance activities. The monthly reports must be submitted the first week of each month until the area is re-vegetated and stable.

The construction at Deposit POG1 B was completed on November 3, 2006. A summary of construction activities was submitted to Ms. Kristy Rogers of the WDNR on November 29, 2006. This constitutes the February 2007 monthly post-construction report.

Observations: The area of Deposit POG1 B was observed by STS Consultants, Ltd (STS) on February 21, 2007. Observations indicated the site was in good condition and there was no notable slope erosion. There was no observed damage to the erosion control mat or shrubs.

Ice covered approximately the eastern portion of Little Lake Butte des Morts, including the cove adjacent to Deposit POG1 B. The surface of the ice intersected the lower portion of the silt fence along the shoreline. Site conditions on February 21, 2007 are shown in Photographs 1 and 2.

Photograph 1 – Shoreline looking north from pedestrian bridge.



Photograph 2 – Looking northwest from southern lock location.



Recommendations: With the ice cover and stable slope conditions no activities are proposed. When the ice thaws and the silt fence is again accessible, it should be repaired to help reduce erosive forces of wind and wave action. Fallen sections of the silt fence should be repaired by stapling or wiring existing or new geotextile to the support stakes.

Prepared by: Steven Shimek, STS Consultants, Ltd.

Deposit POG1 B, Phase 2 Post-Construction Status Report – March 2007

Purpose: Comply with Wisconsin Department of Natural Resources (WDNR) conditional work plan approval for remediation of Deposit POG1 B, dated September 11, 2006. The conditional work plan approval required monthly reports following construction activities to remediate Deposit POG1 B. The monthly reports must document the condition of the erosion control measures and any required maintenance activities. The monthly reports must be submitted the first week of each month until the area is re-vegetated and stable.

The construction at Deposit POG1 B was completed on November 3, 2006. A summary of construction activities was submitted to Ms. Kristy Rogers of the WDNR on November 29, 2006. This constitutes the March 2007 monthly post-construction report.

Observations: The area of Deposit POG1 B was observed by STS Consultants, Ltd (STS) on March 20, 2007. Observations indicated the site was in generally good condition, as shown in Photograph 1. There were several sections of the erosion control mats that were rolled back by the wind, as shown in Photograph 2. No soil erosion was evident where the mats were rolled back.

Ice on the lake was gone, with the exception of several small isolated areas. The water surface intersected the silt fence and had risen onto the erosion control mats along the shoreline.

Photograph 1 – Shoreline looking north from pedestrian bridge.



Photograph 2 – Erosion control mat rolled back by wind.



Synagro was informed of the condition of the erosion mats. Repair and replacement of the erosion control mats were completed on March 30, 2007. Photograph 3 shows the site after the repairs were completed. Synagro also viewed the silt fence. Although portions of the silt fence were submerged it appeared it was providing some degree of protection. Synagro did not reset the silt fence because the substrate was loose. It was their opinion that re-stacking into the loose substrate would not provide additional support. With the water level rising onto the erosion control mats and the silt fence being partially intact, it was decided to continue monitoring the shore area and take corrective action, if and when, required.

Photograph 3 – Erosion control mat repair.



Prepared by: Steven Shimek, STS Consultants, Ltd.

Deposit POG1 B, Phase 2 Post-Construction Status Report – April 2007

Purpose: Comply with Wisconsin Department of Natural Resources (WDNR) conditional work plan approval for remediation of Deposit POG1 B, dated September 11, 2006. The conditional work plan approval required monthly reports following construction activities to remediate Deposit POG1 B. The monthly reports must document the condition of the erosion control measures and any required maintenance activities. The monthly reports must be submitted the first week of each month until the area is re-vegetated and stable.

The construction at Deposit POG1 B was completed on November 3, 2006. A summary of construction activities was submitted to Ms. Kristy Rogers of the WDNR on November 29, 2006. This constitutes the April 2007 monthly post-construction report.

Observations: The area of Deposit POG1 B was observed by STS Consultants, Ltd (STS) on April 25, 2007. Observations indicated the site was generally in good condition. Grass was starting to grow through the erosion control mats and buds were swelling on the shrubs and trees. Wind caused several sections of the erosion control mats to roll back on the north end of the site. Changes in lake levels and wave action removed portions of the erosion control mats along the shoreline. Site conditions on April 25, 2007 are shown in Photographs 1 and 2.

Photograph 1 – Shoreline looking north from pedestrian bridge.



Synagro completed repair and replacement of the erosion control mats at the north end of the site on May 4, 2007. Photograph 3 shows the site after the repairs were completed.

Photograph 2 – Erosion control mat rolled back by wind.



Photograph 3 – Erosion control mat repair.



Prepared by: Steven Shimek, STS Consultants, Ltd.

Deposit POG1 B, Phase 2 Post-Construction Status Report – May 2007

Purpose: Comply with Wisconsin Department of Natural Resources (WDNR) conditional work plan approval for remediation of Deposit POG1 B, dated September 11, 2006. The conditional work plan approval required monthly reports following construction activities to remediate Deposit POG1 B. The monthly reports must document the condition of the erosion control measures and any required maintenance activities. The monthly reports must be submitted the first week of each month until the area is re-vegetated and stable.

The construction at Deposit POG1 B was completed on November 3, 2006. A summary of construction activities was submitted to Ms. Kristy Rogers of the WDNR on November 29, 2006. This constitutes the May 2007 monthly post-construction report.

Observations: The area of Deposit POG1 B was observed by STS on May 25, 2007. The lake level had receded to the point that the lake bed was exposed in front of the silt screen, near the pedestrian bridge, as shown in Photograph 1. As noted in April 2007, changes in lake levels and wave action removed portions of the erosion control mats along the shoreline. The erosion control mats on the slopes were generally in good condition.

Photograph 1 – Shoreline looking north from pedestrian bridge.



The shrubs and trees were leafing out as noted in Photograph 2. The temporary cover seeding from 2006 did not appear to be emerging and it is suspected that it was lost (rotted) over winter. Invasive plants, including thistle and burdock, were noted along the pedestrian path. The invasive plants appear to have been pre-existing perennials that were pushing through the thin mantle of new soil fill along the path. Most of the emerging plants on the slope were herbaceous, versus grasses.

Based on these observations the following activities are planned for June 2007:

- Remove invasive species along the pedestrian path with herbicide (select spraying).

- Apply native grass seed with water from a hydromulcher. This should float seed under the erosion control mats and negate removal and reinstallation of the mats. It will also reduce site disturbance and allow germination and emergence of seed that may have successfully over-wintered.
- Apply mulch to the entire site with a hydromulcher. This will provide additional protection of the slope and newly placed seed.
- If sufficiently dry, the silt fence will be removed (previous attempts found the ground to be too soft to traverse without significant disturbance).

Photograph 2 – Shrubs and trees leafing out.



Photograph 3 – Invasive species near pedestrian path and herbaceous vegetation on slope.



Prepared by: Steven Shimek, STS

Deposit POG1 B, Phase 2 Post-Construction Status Report – June 2007

Purpose: Comply with Wisconsin Department of Natural Resources (WDNR) conditional work plan approval for remediation of Deposit POG1 B, dated September 11, 2006. The conditional work plan approval required monthly reports following construction activities to remediate Deposit POG1 B. The monthly reports must document the condition of the erosion control measures and any required maintenance activities. The monthly reports must be submitted the first week of each month until the area is re-vegetated and stable.

The construction at Deposit POG1 B was completed on November 3, 2006. A summary of construction activities was submitted to Ms. Kristy Rogers of the WDNR on November 29, 2006. This constitutes the June 2007 monthly post-construction report.

Observations: The area of Deposit POG1 B was observed by STS on June 27, 2007. The lake level continued to be relatively low and the shoreline was below the seeded area. The slopes continued to be stable and did not show signs of erosion. The erosion control mats were starting to show signs of deterioration, as expected.

During the weeks of June 18 and 25, 2007, the silt fence was removed and the area was hydroseeded and mulched. Specific methods of completing the work and application rates will be provided in the July 2007 report. Observations will occur in July 2007 and will focus on the success of the recent re-seeding and mulching. The site will also be viewed for perennials seeded in late 2006.

Photograph 1 – Shoreline looking north from pedestrian bridge.



Photograph 2 – Slope conditions in the mid-section of the site, looking south.



Photograph 3 – Slope condition at the northern end of the site, looking north.



Prepared by: Steven Shimek, STS

Deposit POG1 B, Phase 2 Post-Construction Status Report – July 2007

Purpose: Comply with Wisconsin Department of Natural Resources (WDNR) conditional work plan approval for remediation of Deposit POG1 B, dated September 11, 2006. The conditional work plan approval required monthly reports following construction activities to remediate Deposit POG1 B. The monthly reports must document the condition of the erosion control measures and any required maintenance activities. The monthly reports must be submitted the first week of each month until the area is re-vegetated and stable.

The construction at Deposit POG1 B was completed on November 3, 2006. A summary of construction activities was submitted to Ms. Kristy Rogers of the WDNR on November 29, 2006. This constitutes the July 2007 monthly post-construction report.

Observations: The area of Deposit POG1 B was observed by Synagro on July 18, 2007 and by STS on July 23, 2007. On these dates the lake level was at about +736.4, almost two feet below normal pool level. The shore zone, which was bare in June 2007, had started filling in with vegetation. The slope was stable. Photographs 1 through 4 show site conditions on July 23, 2007.

Synagro estimated approximately 20% to 30% of the perennials, mostly forbs, had emerged from the 2006 seeding. They identified a dominance of smart weed along the shore. Some common perennials on the slope included black-eyed Susan, various goldenrod, vervain and coneflowers. Vegetation on the slopes had been stressed from the extremely dry weather. The shrubs were at 50%, having suffered rabbit predation. Damaged shrubs should regenerate from the roots.

No site work is proposed for August 2007.

Photograph 1 – Shoreline looking north from pedestrian bridge.



Photograph 2 – Slope conditions in the mid-section of the site, looking south.



Photograph 2 – Slope conditions in the mid-section of the site, looking west. Note use by Canada geese.



Photograph 4 – Slope condition at the northern end of the site, looking north.



Prepared by: Steven Shimek, STS, with assistance of Michael Vogel, Synagro

Deposit POG1 B, Phase 2 Post-Construction Status Report – August 2007

Purpose: Comply with Wisconsin Department of Natural Resources (WDNR) conditional work plan approval for remediation of Deposit POG1 B, dated September 11, 2006. The conditional work plan approval required monthly reports following construction activities to remediate Deposit POG1 B. The monthly reports must document the condition of the erosion control measures and any required maintenance activities. The monthly reports must be submitted the first week of each month until the area is re-vegetated and stable.

The construction at Deposit POG1 B was completed on November 3, 2006. A summary of construction activities was submitted to Ms. Kristy Rogers of the WDNR on November 29, 2006. This constitutes the August 2007 monthly post-construction report.

Observations: The area of Deposit POG1 B was observed by STS on August 31, 2007. On this date the lake level was at about +736.6, about 1.5 feet below normal pool level. The shore zone and slope were stable. Site conditions on August 31, 2007 are shown in Photographs 1 and 2. Recent precipitation promoted vegetative growth. The slope was dominated by common ragweed; however, there was an under-story of new growth, which included desired species such as black-eyed Susan, goldenrod, vervain, lobelia, cinquefoil and coneflowers. The shore area had a significant smartweed cover. The shallow water area was filling in naturally, as shown in Photograph 1.

In August the fence along the pedestrian walkway was removed. No site work is proposed for September 2007 and G.W. Partners requests suspension of monthly post-construction status reports until April 2008. Four post-construction reports are proposed for 2008, including April, May, June and August/September.

Photograph 1 – Shoreline looking north from pedestrian bridge.



Photograph 2 – Slope condition at the northern end of the site, looking north.



Prepared by: Steven Shimek, STS