

6 SUMMARY AND CONCLUSIONS

6.1 Summary

The results of the RI met the objectives of the SSWP (NRT, April 2007) and provide adequate information to assess the nature and extent of affected media to support the BLRA and the FS. The baseline risk assessment, using the previously collected data and the RI data, has identified the following media of concern:

- Subsurface soils: On the WPSC property, in the vicinity of the former slough, and the eastern boundary of Pfiffner Pioneer Park (Figures 39 and 40) to be addressed for the protection of human health.
- Groundwater plume as shown on Figures 30 and 31 to be addressed for the protection of human health.
- Sediment: Near-shore sediment and underlying sand in the Wisconsin River and soft sediment in Pfiffner Pioneer Park Pond (Figure 41) to be evaluated for the protection of benthic communities.

Soil vapor and storm water results indicate the following:

- Soil Vapor: MGP-related groundwater contamination are not the source of vapors above the health-based screening levels in the mall property east of the site.
- Storm Sewer: Groundwater elevations have been documented to exceed the perforated storm sewer elevations on six occasions during this RI. However, based on the groundwater plume this is not a significant migration pathway.

6.2 Conclusions

The FS can proceed without additional assessment. Groundwater sampling will continue on a semi-annual basis (spring and fall of the year) until a Record of Decision (ROD) has been issued for the site.

6.3 Preliminary Remedial Action Objectives

The remedial action objectives (RAOs) have been developed for the media of concern (subsurface soil, groundwater, and sediments) and receptors identified (Section 6.1) in the FS. The FS RAOs were

developed to protect public health, welfare and/or the environment from site contaminants that may pose an unacceptable risk and be protective of future uses, as appropriate.

7 REFERENCES

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- 1998 September 16. Natural Resource Technology, Inc. Remedial Action Documentation Report Former Manufactured Gas Plant Site, Stevens Point, WI, Project No. 1177.
- 2000 MacDonald, D.D., C.G. Ingersoll, and T.A. Berger, Development and Evaluation of Consensus Based Sediment Quality Guidelines for Freshwater Ecosystems, Arch. Environ. Contam. Toxicol. 39:20-31.
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- 2007 April 10. Revision 1, Natural Resource Technology, Inc. Multi-Site Field Sampling Plan, Remedial Investigation/Feasibility Study, Wisconsin Public Service Corporations' Former Manufactured Gas Plan Sites, CERCLA V-W-06-C-847.
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- 2007 September, Exponent, Multi-Site Risk Assessment Framework Revision 0, Former Manufactured Gas Plant Sites.