



Antea USA, Inc.  
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## MEMORANDUM

TO: Wisconsin Department of Natural Resources

FROM: Antea Group, on behalf of BP Products North America Inc

DATE: 30 July 2019

RE: Annual Report Submittal  
Former Amoco Superior Terminal  
Superior, WI  
(BRRTS #02-16-297979, BRRTS #02-16-117873, BRRTS #02-16-000331)

CC: John Hunt, WDNR

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On July 1, 2019 Antea Group requested annual report submittal summarizing 2019 field activities at the Former Amoco Terminal BRRTS ##02-16-000331, and the Former Amoco Manifold/AST Area BRRTS #02-16-117873 and Barge Dock BRRTS #02-16-297979 in Superior, WI. In a subsequent phone conversation, the WDNR granted verbal approval for annual report submittal. The following summarizes field activities completed January – June 2019:

- Operation of the Phase II LNAPL recovery system from May 7, 2019 to June 30, 2019. The system ran with limited interruption and recovered 674 gallons of LNAPL.
- Semi-annual groundwater sampling was performed from June 3 to June 7, 2019 and included sampling of 33 wells for benzene, toluene, ethylbenzene, xylene, and naphthalene.
- During groundwater sampling activities, a bio-evaluation was conducted on 30 wells to collect field meter (conductivity, DO, redox) and inorganics data (sulfate, manganese, and dissolved iron).
- Microbial Insights biotrap traps were installed in 10 monitoring wells and were analyzed using QuantArray Petro microbial analysis (results pending).
- LNAPL sampling was conducted at 5 wells at the Terminal and will be analyzed for GC fingerprinting, density, and viscosity (results pending).
- Gauge and bail activities were conducted at 21 wells in the Barge Dock and 3 wells on the Terminal.
- Updates were made using new site data to the 4dim model and dissolved-phase benzene cross sections to help refine the site conceptual model.

A report summarizing 2019 field activities will be submitted by January 31, 2020. Please contact Antea Group ([Jonathan.Zimdars@AnteaGroup.com](mailto:Jonathan.Zimdars@AnteaGroup.com), [LayneKortbein@AnteaGroup.com](mailto:LayneKortbein@AnteaGroup.com)) if you have any questions.



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