



Wisconsin Public Service Corporation
P.O. Box 19001
Green Bay, WI 54307-9001
www.wisconsinpublicservice.com

August 8, 2023

Submitted Electronically

Ms. Jayson Schrank
Wisconsin Department of Natural Resources
1300 W. Clairemont Ave.
Eau Claire, WI 54701

**Re: WI - 45-Day Documentation and No Further Action Letter - Ch. NR. 708
Wisconsin Public Service Corporation
Non-PCB Mineral Oil
3706 County Rd. WW Brokaw, WI (Marathon County)
Reported 7/11/2023, SERTS ID: 20230711WC37-1**

Dear Mr. Schrank,

In accordance with Wisconsin Administrative Code NR 708.05(6) and NR 708.09, Wisconsin Public Service Corporation respectfully submits the following documentation describing the immediate actions taken, the outcome of those actions, and a final report and letter of compliance documenting that no further action is necessary to respond to a hazardous substance discharge or environmental pollution at the below referenced site.

Responsible Party:

Wisconsin Public Service Corporation
P.O. Box 19001
Green Bay, WI 54307

Responsible Party Contact:

Kyle Carlson, Environmental Consultant
Wisconsin Public Service Corporation
333 W. Everett St. A231
Milwaukee, WI 53203
414-221-4076

Location of Discharge Site:

3706 County Rd.
Brokaw, WI (Marathon County)
Latitude: 45.025931 Longitude: -89.684510

Material & Quantity:

- Quantity Released: 11 Gallons
- Substance Type: Non-PCB Mineral Insulating Oil
- Equipment Type: Electrical Equipment – 15 kVA Pole Mounted Transformers
- Equipment Manufacturer and Date of Manufacture (if known): Howard Industries, 6/30/2016
- Equipment Serial Number: HI2075871716
- PCB Concentration Determination Methodology: Equipment Name Plate

Mineral Insulating Oil is a non-volatile, non-combustible, mid-range petroleum hydrocarbon mixture used to provide insulating and dielectric properties for substation equipment. Mineral Insulating Oil is a highly-refined hydrocarbon product that is similar to food-grade mineral oil. Mineral Insulating Oil constituents generally consist of total petroleum hydrocarbon (TPH)/diesel range organics (DRO).

Cause of Release: Severe Weather

Initial Spill Notification: The release was reported to: Wisconsin DNR's Spill Hotline at 8:05 AM on July 11, 2023 (SERTS Spill ID: 20230711WC37-1)

Incident Description and Response Action:

- Time of Spill: The spill occurred on 22:00 hours on July 10, 2023
- Incident Description: On the evening of Monday, July 10, 2023, WEC Environmental dispatch was notified that a 15 kVA pole mounted transformer had released an unknown amount of non-PCB mineral insulated Oil (MIO). The release was the result of high winds causing a tree to fall and knock down a utility pole supporting the transformer. The transformer fell to the ground and released the MIO onto an 8'x8' area where transformer fell on gravel driveway and 40'x15' area impacted gravel, vegetation, and soil where the MIO was spread by rain. WEC contracted SET Environmental Inc., (SET) to remediate the impacted area. SET crews used hand excavation to remove all visually and olfactorily impacted gravel, grass, and soil. The impacted material was containerized into 4 x 55 gallon open top steel drums for disposal. The excavated gravel area was then graded flat, and the excavated soil area was restored with topsoil, grass seed and grass mat. When the damaged transformer arrived at the Wisconsin Public Service Transformer Repair and Maintenance shop it was inspected and found to have released 11 gallons of MIO.

Weather Conditions:

- Weather Conditions: Cloudy skies
- Temperature: 63 degrees Fahrenheit
- Winds: Southwest at 7 mph.

Migration Potential of Release: Due to the remedial actions taken, there were no impacts to human health. Impacts were limited to the grass and soil. No surface water bodies, wetlands, or storm water conveyances were impacted by the release.

Confirmation Sampling: Confirmation sampling was not conducted. No visual or olfactory evidence of residual impacts were noted after the remedial actions were taken.

Visual and Olfactory Evidence: There is no remaining visible or olfactory evidence of the release.

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Actual or Potential Environmental Impacts: Due to the nature of the substance released, the remedial actions taken, and the location of the release, there are no further potential impacts to the environment associated with the release.

Proximity of Contamination to Receptors: No human or environmental receptors came into contact with nor were affected by the release.

Present and Anticipated Land Use: The current and anticipated future land use of this property is commercial.

Exposure Route Assessment: Based on the nature of the substance released, the interim and remedial actions taken, and the location of the release, no complete exposure pathways exist or were present for impact to human or environmental receptors.

Conclusion: (Closure Documentation): All practicable response and remediation measures were effectively implemented. The area has been restored to its original condition and there is no further action necessary for this incident. Maps of the release location and photographs are attached (Figures 1-3).

If you have any questions or need additional information regarding this spill and the related response activities, please call me at (414)221-4076 or email me at Kyle.Carlson@wecenergygroup.com.

Sincerely,

A handwritten signature in black ink that reads "Kyle R. Carlson". The signature is written in a cursive style and is positioned above a light gray rectangular background.

Kyle Carlson
Environmental Consultant
Wisconsin Public Service Corporation

Enclosures

Figure 1: Aerial View



Figure 2: Impacted Area 1



Figure 3: Impacted Area Remediated and Restored

