



Ohio EPA, DERR-ER
122 S. Front Street
P. O. Box 1049
Columbus, Ohio 43216-1049

August 2, 2012

ATTN: ER Records Mgmt. - SERC Spill Report

Re: Oil Spill Report for incident number 1207-23-1616

This letter is the required written follow-up report for a non-PCB mineral oil spill that American Electric Power experienced on 6-29-12. Please note as a result of the June 29, 2012 Super Derecho wind storm, AEP suffered significant damage to our Transmission and Distribution system. Though this release occurred on 6-29-12, it was not discovered by a storm restoration crew until July 3. The area was not cleared to assess the spill and allow access to AEP's spill contractor until the morning of July 4.

1. WHO: Facility name, address and phone number at spill location. Name of owner / operator.

The transformer was located at 1240 Quarry Ct. Lancaster, OH 43130. The transformer is owned by American Electric Power. AEP's address is 701 Hardin Dr., Chillicothe, OH 45601. The phone number for Bryan Barker, the Region's Environmental Coordinator, is 740-779-5252.

2. WHEN

(a) Actual time, date and duration of the discharge or release.

The spill start time is unknown and date is 6-29-12. It is estimated that the duration of the discharge lasted 1-3 minutes.

(b) Actual time and date of discovery of the release or discharge.

The spill was discovered in the afternoon on 7-3-12.

(c) Actions taken to respond to and contain the release or discharge.

A spill cleanup contractor (BBU Services) was contacted to conduct site cleanup.

(d) Indicate the spill number assigned by Ohio EPA.

The OEPA assigned spill number is 1207-23-1616.

3. LOCATION

(a) Location of facility from which the release or discharge occurred.

The release occurred at 1240 Quarry Ct. Lancaster, OH 43130.

(b) Location of release: county, township and city.

The release occurred in Fairfield County, Berne Township, Lancaster.

(c) Longitude and latitude of the release, if known.

Unknown.

- (d) **Distance and direction from the nearest intersection or milepost, if transportation related release or discharge.**

N/A

4. PRODUCT RELEASE

- (a) **Common and/or technical name(s) of the material(s) released or discharged and CAS number(s).**

Dielectric mineral oil.

- (b) **What was the quantity and duration of the discharge?**

An estimated 30-35 gallons was lost over an estimated duration of 1-3 minutes.

5. ENVIRONMENTAL IMPACT

- (a) **Name of the environmental medium or media affected (i.e. navigable waters, land, and/or air). If navigable waters, please identify.**

Land

- (b) **What was the length of area of navigable waterway?**

N/A

- (c) **What was the ground surface area (square feet or yards) and depth of soil contamination?**

Approximately 126 square feet of ground surface area was contaminated to a depth of approximately 6-12".

- (d) **To the extent information is available, identify damage to wildlife and/or vegetation.**

N/A.

- (e) **To the extent information is available, identify impact to human health and safety (i.e. evacuations, exposure, etc..).**

None was identified.

- (f) **Where appropriate, identify medical advice provided for exposed individuals and/or medical personnel?**

None was provided.

6. MONITORING AND DETECTION

- (a) **If the release or discharge was monitored, indicate the method detection and concentrations detected.**

N/A

- (b) **If the release was air-borne, how was the wind direction and speed determined?**

N/A

- (c) **Was the public warned and if so, how?**

It was not necessary to warn the public.

7. MITIGATION, CONTAINMENT ACTION

- (a) **How much product or waste was recovered or neutralized?**
Approximately 100%.
- (b) **How was the material recovered or neutralized?**
All visible traces of oil in the soil were excavated. A one foot lateral buffer was also excavated to ensure recovery of the material. Chain linked fence was triple cleaned with a non-hazardous cleaner and rags. All material was collected into containers for proper disposal.
- (c) **Were there any other actions taken to reduce the impact of the discharge (containment, absorbents, on-site treatment, etc.)**
N/A

8. PROVIDE PLANS TO PREVENT RECURRENCE OF THE DISCHARGE OR RELEASES THAT MAY OCCUR AT THIS SPECIFIC SOURCE.

The discharge resulted from a major windstorm.

9. HEALTH RISKS

MINERAL OIL - A SKIN AND EYE IRRITANT: FUMES OR MISTS OF MINERAL OIL ARE IRRITATING TO THE EYES, MUCOUS MEMBRANES, AND UPPER RESPIRATORY TRACT AND CAN CAUSE HEADACHE, DIZZINESS AND/OR DROWSINESS IF EXPOSURE IS EXCESSIVE. IF SPLASHED IN THE EYES, MINERAL OIL MAY CAUSE IRRITATION. REPEATED AND/OR PROLONGED CONTACT WITH THE SKIN MAY CAUSE IRRITATION AND/OR DERMATITIS. INGESTION OF MINERAL OIL MAY PRODUCE A CATHARTIC EFFECT (NAUSEA, VOMITING, AND DIARRHEA). ASPIRATION OF MINERAL OIL INTO THE LUNGS CAN CAUSE CHEMICAL PNEUMONIA.

10. INDICATE ANY AIR, WATER OR OTHER PERMIT NUMBERS THAT MAY BE PERTINENT TO THIS INCIDENT.

N/A

11. CHRONOLOGY OF THE INCIDENT, INCLUDING COMMUNICATIONS WITH STATE AND LOCAL GOVERNMENTS.

6-29-12	Evening	Windstorm occurred in the evening.
7-3-12	Afternoon	Release discovered by a storm restoration crew.
7-3-12	6:50 PM	AEP Line supervisor contacted Bryan Barker to report the release. He stated the area would not be clear for AEP's spill contractor to access the spill site and assess the area of release until the morning of July 4.
7-3-12	7:00 PM	Barker reported the spill to BBU Services with instructions for them to report to the site the next morning and to call Barker as soon as they are able to assess the site.

7-4-12	9:40 AM	BBU Services contacted Barker to report a 50KVA unit had released all of its oil.
7-4-12	9:58 AM	Barker reported the incident to OSERC (Ms. Algie).
7-4-12	10:09 AM	Todd Taylor (Ohio EPA) contacted Barker to inquire details of the spill.
7-4-12	10:32 AM	Barker reported the incident to the local Fire Department. No incident number was issued.
7-4-12	10:35 AM	Barker reported the incident to the Fairfield Co. LEPC. No incident number was issued.
7-4-12 to 7-4-12	9:00 AM to 1:35 PM	BBU Services performed spill cleanup: All visible traces of oil in the soil were excavated. A one foot lateral buffer was also excavated to ensure recovery of the material. Chain linked fence was triple cleaned with a non-hazardous cleaner and rags. All material was collected into containers for proper disposal.
7-5-12	3:30 PM	Barker assessed the site to ensure proper cleanup. Observed a clay tile on the side wall of the excavation area was leaking water. Contacted BBU to repair the field tile and perform spot cleanup of what appeared to be traces of oil in the excavation area.
7-5-12	4:00 PM to 8:30 PM	BBU repaired the field tile and performed spot cleanup of what appeared to be traces of oil in the excavation area.

12. PROVIDE ANY REPORTS OR OTHER DOCUMENTS THAT PERTAIN TO THE INCIDENT.

An oil sample was obtained from the transformer. The PCB concentration was non-detectable (< 1 ppm for PCBs). An analytical report has not been finalized by the laboratory yet.

13. DESCRIBE ANY EXTENUATING CIRCUMSTANCES THAT CAUSED THE DISCHARGE.

None

14. ECONOMIC IMPACT

(a) Estimate of value, if any, of spilled product.

Unknown.

(b) Equipment damage or cost?

Unknown.

(c) Cost of spill cleanup?

BBU Services invoice cost was \$6,259.38. I've not calculated the internal costs for AEP's employees.

(d) Estimated cost of spill prevention to possibly eliminate reoccurrence of this event?

We don't believe prevention would be possible since we have no control over the weather.

Please call me at 740-779-5252 if you have any questions regarding this incident or report. Thank you.

Sincerely,



Bryan L. Barker
Region Environmental Coordinator

Cc:
Fairfield County LEPC
File