



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

July 13, 2011

ATTN: ER Records Mgmt. - SERC Spill Report

Re: Oil Spill Report for incident number 1106-23-2095

This letter is the required written follow-up report for a non-PCB mineral oil spill that American Electric Power experienced on 6-17-11.

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

The transformer was located at 7800 Old Millersport Rd. Thurston, OH and is owned by American Electric Power. AEP's address is 701 Hardin Dr., Chillicothe, OH 45690. 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 and date is 10:30AM on 6-17-11. 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 at 11:15AM on 6-17-11.
- (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 **1106-23-2095**.

3. LOCATION

- (a) Location of facility from which the release or discharge occurred.**
The release occurred at 7800 Old Millersport Rd. Thurston, OH
- (b) Location of release: county, township and city.**
The release occurred in Fairfield County, Walnut Township, Thurston.
- (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 8 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, Water (tributary to Walnut Creek)
- (b) **What was the length of area of navigable waterway?**
36" wide by 25' long
- (c) **What was the ground surface area (square feet or yards) and depth of soil contamination?**
Approximately 250 square feet. On average soil was contaminated about 8" deep.
- (d) **To the extent information is available, identify damage to wildlife and/or vegetation.**
None was identified.
- (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.**
Oil absorbent booms were replaced as needed.
- (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. Oil sheen on the water was contained by absorbent booms and removed by vacuum truck. Oil

on the asphalt road was removed by double washing and double rinsing with a non-hazardous cleaner and absorbed by granules.

(c) Were there any other actions taken to reduce the impact of the discharge (containment, absorbents, on-site treatment, etc.)

Absorbent booms were placed in the ditch and in the creek by the Thurston Walnut Fire Department and also by BBU Services.

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

The discharge resulted from a passenger vehicle accident. Little can be done by AEP to prevent such incidents.

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.

6-17-11	10:30AM	Estimated start time of spill.
6-17-11	10:33AM	Estimated end time of spill.
6-17-11	11:15AM	AEP Line personnel arrived on-site in response to a trouble call and discovered spill.
6-17-11	11:51AM	AEP Line supervisor contacted Bill Kasson, Environmental Coordinator, regarding the spill. The transformer was manufactured in 1999 and therefore Non-PCB. It was determined a small amount of oil may have affected a small creek.
6-17-11	11:30AM	Thurston Walnut Fire Department responded to the scene and placed absorbent booms in the ditch.
6-17-11	11:55AM	Kasson dispatched clean-up contractor, BBU Services.
6-17-11	11:57AM	Kasson reported the incident to OSERC (Ron Bonner) and received incident number 1106-23-2095 .
6-17-11	12:04PM	Kasson reported the incident to the Fairfield Co. LEPC. No

		incident number was issued.
6-17-11	12:09PM	Kasson reported the incident to the local Fire Department. No incident number was issued.
6-17-11	12:11PM	Kasson reported the incident to the NRC (Kevin Williams). Incident # 979947.
6-17-11	12:20PM to 4:00PM	BBU Services performed spill cleanup: All visible traces of oil in the soil were excavated. Oil sheen on the water was contained by absorbent booms and removed by vacuum truck. Oil on the asphalt road was removed by double washing and double rinsing with a non-hazardous cleaner and absorbed by granules. Absorbent booms were placed in the ditch and in the creek by the Thurston Walnut Fire Department and also by BBU Services. The transformer was contained in a 55 gallon drum.

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

N/A

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's invoice has not been received yet. 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 passenger vehicle accidents.