

US EPA ARCHIVE DOCUMENT

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Duke Energy Cincinnati Diesel Spill - Removal Polrep
Initial Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #1
Initial POLREP
Duke Energy Cincinnati Diesel Spill

New Richmond, OH

To:
From: Steven Renninger, On-Scene Coordinator
Date: 8/19/2014
Reporting Period: 8/19/2014

1. Introduction

1.1 Background

Site Number:	NRC#1092727	Contract Number:	
D.O. Number:		Action Memo Date:	
Response Authority:	OPA	Response Type:	Emergency
Response Lead:	EPA	Incident Category:	
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	8/19/2014	Start Date:	8/19/2014
Demob Date:		Completion Date:	
CERCLIS ID:		RCRIS ID:	
ERNS No.:		State Notification:	Ohio EPA and KY DEP
FPN#:	E14538	Reimbursable Account #:	

1.1.1 Incident Category
Emergency Response

On August 18, 2014 at 2355 hours, Duke Energy reported a diesel spill at the Duke Energy Beckjord Generating facility located at 757 State Route 52, New Richmond, Clermont County, Ohio. NRC Report number is 1092727. The initial report was 1,000 gallons of Fuel Oil No. 2 released to the Ohio River.

On August 19, 2014, Unified Command was established on-scene with EPA, Ohio EPA, Pierce Township, Kentucky DEP, US Coast Guard, and Duke Energy. The spill estimate was revised to 3,400 gallons on August 19, 2014.

Unified Command briefings were conducted on August 19, 2014 at 1100 hrs, 1415 hrs, and 1800 hrs.

1.1.2 Site Description

3,400 gallon diesel oil spill at the Duke Energy facility at 757 State Route 52, New Richmond, OH. Spill impacted the Ohio River.

1.1.2.1 Location

757 State Route 52, New Richmond, Ohio. Sheen and diesel observed on the Ohio River for approximately 12 miles down stream of spill location. At 1600 hrs on August 19, 2014, the leading edge of the sheen was observed at the I-471 bridge on the east side of Cincinnati, Ohio.

1.1.2.2 Description of Threat

Duke Energy initially reported a 1,000 gallon spill of diesel oil #2 to the NRC on August 18, 2014 at 23:55. On August 19, 2014, the spill amount was revised to 3,400 gallons of diesel oil #2 released to the Ohio River. Northern KY and Greater Cincinnati water intakes were closed on August 19, 2014.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

EPA and Ohio EPA overflights on August 19, 2014 documented approximately 12 miles of the Ohio River were impacted by the diesel spill. Northern KY and Greater Cincinnati water intakes were closed on August 19, 2014. ORSANCO completed water sampling on August 19, 2014. ORSANCO modeling projects spill will reach Markland Dam by 1930 hrs on August 22, 2014.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

On August 19, 2014, Unified Command was established on-scene with EPA, Ohio EPA, Pierce Township, Kentucky DEP, US Coast Guard, and Duke Energy. The spill estimate was revised to 3,400 gallons on August 19, 2014.

Unified Command briefings were conducted on August 19, 2014 at 1100 hrs, 1415 hrs, and 1800 hrs.

On August 19, 2014 US Coast Guard closed Ohio River traffic between Ohio River mile markers 453 to 468.

Duke Energy hired Clean Harbors to stabilize spill location and contain/remove diesel oil in the Ohio River and affected tributaries.

2.1.2 Response Actions to Date

On August 19, 2014 at 1000 hrs, EPA issued a Notice of Federal Interest to Duke Energy.

On August 19, 2014 the following response operations were completed under Unified Command:

Incident Command Post established at Duke Energy; phone number is 513-467-4130

FPN #E14538 established for \$50,000

PRFA established with US Coast Guard for \$10,000 for support

Oil/water separator cleaned out of containment area

Initial stabilization of spill location on Ohio River bank

Eight diesel recovery points established on the Ohio River

800 gallons of #2 diesel recovered as of 1800 hrs

Helicopter overflights confirmed leading edge of visible sheen on Ohio River observed at I-471 bridge

Recovery operations will continue 24/7, limited shoreline night operations

Media briefings conducted by EPA at 1200 hrs and 1600 hrs

ORSANCO completed water sampling on Ohio River; results due on August 20, 2014

ODNR monitoring impact to wildlife

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

On August 19, 2014 at 1000 hrs, EPA issued a Notice of Federal Interest to Duke Energy.

2.1.4 Progress Metrics

Waste Stream	Medium	Quantity	Manifest #	Treatment	Disposal
#2 Diesel Oil	liquid	800 gal			

2.2 Planning Section

2.2.1 Anticipated Activities

Continue the following response operations:

Recovery operations 24/7, with limited shoreline night operations on Ohio River

2.2.1.1 Planned Response Activities

Continue the following response operations:

Recovery operations continue at 8 locations on the Ohio River

Continue Unified Command briefings at 0800 hrs, 1300 hrs, and 1800 hrs on August 20, 2014

Daily media briefings

Continue helicopter overflights to monitor extent of sheen

Continue air monitoring at recovery locations

Receive ORSANCO water quality sample results

ODNR will continue wildlife impact assessment

2.2.1.2 Next Steps

Continue the following response operations:

Recovery operations continue at 8 locations on the Ohio River

Continue Unified Command briefings at 0800 hrs, 1300 hrs, and 1800 hrs on August 20, 2014

Daily media briefings

Continue helicopter overflights to monitor extent of sheen

Continue air monitoring at recovery locations

Receive ORSANCO water quality sample results

ODNR will continue wildlife impact assessment

2.2.2 Issues

Sheen observed on approximately 12 miles of the Ohio River.

Cincinnati and Northern KY water intakes were closed on August 19, 2014

High media interest. Media briefings will continue on August 20, 2014

2.3 Logistics Section

Incident Command Post established at Duke Energy Beckjord Station, 757 State Route 52, New Richmond, OH

EPA ERT mobile command post on-scene.

2.4 Finance Section

2.4.1 Narrative

FPN #E14538 established for \$50,000 on August 19, 2014.

PRFA established with USCG for \$10,000 for support on August 19, 2014.

Duke Energy hired Clean Harbors for oil recovery operations.

2.5 Other Command Staff

2.5.1 Safety Officer

Safety Officer is Duke Energy Dufau II.

2.5.2 Liaison Officer

Liaison Officer is Hamilton Co EMA Rick Jones and Ed Frambes, Duke Energy Tony Reinert.

2.5.3 Information Officer

Information Officer is Duke Energy Sally Thelen.

Media briefings were conducted on August 19, 2014 at 1200 hrs and 1600 hrs by EPA.

3. Participating Entities

3.1 Unified Command

EPA Region 5

Ohio EPA

KY DEP

Pierce Township

US Coast Guard

Duke Energy

3.2 Cooperating Agencies

Ohio EMA

Ohio Department of Public Safety

Ohio Department of Natural Resources

Clermont County EMA / LEPC

Clermont County Administration

Clermont County Community and Economic Development

Clermont County Water Resources

Clermont County Office of Environmental Quality

Hamilton County EMA / LEPC

Pierce Township Fire Department

Pierce Township Police Department

Village of New Richmond Police Department

Village of New Richmond Fire Department

Anderson Township Fire Department

Cincinnati Fire Department

Cincinnati Police Department

Greater Cincinnati Water Works

ORSANCO

Kentucky Division of Emergency Management

Boone County Emergency Management Agency

Kenton County Homeland Security / Emergency Management

Campbell County Office of Emergency Management

Dearborn County EMA

4. Personnel On Site

EPA Region 5 - 2

START - 1

Ohio EPA - 2

US Coast Guard - 8

5. Definition of Terms

DEP - Department Environmental Protection
EMA - Emergency Management Agency
KY - Kentucky
LEPC - Local Emergency Planning Committee
NRC - National Response Center
OPA - Oil Pollution Act
ORSANCO - Ohio River Sanitation Commission
PRFA - Pollution Removal Funding Authorization

6. Additional sources of information

6.1 Internet location of additional information/report
<http://www.epaosc.org/dukeenergyspill>

6.2 Reporting Schedule
POLREP #2 will be issued on August 20-21, 2014.

7. Situational Reference Materials

See images section of epaosc.org/dukeenergyspill for photos.