



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 4**

**Subject:**                    **Situation Report (SitRep) # 2**  
                                 **Eden NC Coal Ash Spill**  
                                 **Lat: 36.4958644, Long: -79.7220632**

**To:**                         **Distribution List**

**From:**                    **Region 4 Regional Emergency Operations Center**

**Reporting Period:**    **1600 02/04/2014 to 1600 02/03/2014**

**1.0 Introduction**

**1.1 Background**

<b>Site Name:</b>	<b>Eden NC Ash Spill</b>	<b>Location:</b>	<b>Eden, NC</b>
<b>Incident Date:</b>	<b>02/03/2014</b>	<b>Site ID:</b>	<b>B41W</b>
<b>Mobilization Date:</b>	<b>02/03/2014</b>	<b>Start Date:</b>	<b>02/03/2014</b>

At approximately 1500 hrs on February 2, 2014, security officials at the Duke Energy Plant located in Eden, North Carolina noticed liquefied coal ash leaking from a buried storm sewer into the Dan River. Initial efforts by Duke Energy were not fully successful in stopping the release. The North Carolina Department of Environment and Natural Resources (NCDENR) was notified of the release by Duke Energy on February 3, 2014, and investigated the facility. Once it was determined that there was a release of coal ash (ash) the United States Environmental Protection Agency (EPA) Region 4 Raleigh Outpost On-Scene Coordinator (OSC) was notified and requested to assist in the oversight of cleanup activities. Following coordination with the EPA Region 4 Telephone Duty Officer and Region 4 Removal Manager two OSCs were deployed to the scene from Atlanta, Georgia. Due to proximity and the potential for cross-regional impacts, an OSC was deployed from EPA Region 3 to provide additional assessment and oversight support.

**2.0 Current Activities**

The following activities occurred during this reporting period:

## **Unified Command**

- Region 4 is currently in Unified Command with Duke Energy; NCDENR and the US Fish and Wildlife Service (FWS) are acting as agency representatives.
- OSC Bartos relieved OSC Wagner to act as EPA Region 3 OSC for the response.
- The EPA Region 4 Science and Ecological Support Division (SESD) was requested by Unified Command to assist in water, sediment, and waste sampling and technical support.
- EPA Environmental Response Team (ERT) has mobilized to the site and is assisting UC with planning for any in-river removal planning.
- A Region 4 Community Involvement Coordinator (CIC) was also requested by UC to assist information sharing and messaging. They are expected to arrive on scene during the next operational period.

## **Water Sector**

- Water quality sampling is being conducted by Duke Energy at the spill source and locations downstream including the intake at the water treatment plant (WTP) in Danville, Virginia.
- NCDENR reports that they are collecting water quality samples at three locations, one upstream of the Duke facility and two downstream locations in the Dan River. The furthest downstream location collected by NCDENR is located at the Virginia/North Carolina border. Sample results are pending.
- EPA Region 4 START began collection of water quality samples in the Dan River during this operational period.
- Downstream WTPs Danville and South Boston have reported no adverse impacts at their facilities to UC.
- EPA Region 3 OSC Bartos has been in communication with directors of downstream WTPs. He reports that EPA has received access to perform pre (intake) and post (finished) water sampling at both the Danville and South Boston WTPs. He has also obtained agreement for WTPs to provide past compliance results to compare with current data.

## **Mitigation Activities**

- Duke Energy uncovered the impacted section of storm drain line that consisted of corrugated steel and concrete piping.
  - The section that failed was found to be a section of corrugated line.

- The configuration (directional changes) rendered grouting from the plant side of the piping unfeasible.
- The alternative plan is to initiate grouting from the River side of the pipe.
- Discharge from the storm sewer to the River has largely ceased.
- NCDENR Land Quality Division has been coordinating with Duke Energy on issues regarding repair/stabilization of the coal ash impoundment.

### **Public Information and Community Involvement**

- A EPA Region 4 CIC is mobilizing to the Site during this operational period.
- EPA Region 4 Office of External Affairs has been actively involved in fulfilling information requests in coordination with external affairs programs in EPA Region 3 and EPA Headquarters.

### **Personnel and Work Schedules**

- Crews are working 12 hour shifts around the clock:
  - 0700 hours – 1900 hours
  - 1900 hours – 0700 hours
- START has been mobilized to provide data management assistance, sampling assistance, GIS Support and documentation assistance.
- The EPA Planning Section Chief (PSC) has been working with Duke Energy to establish an ICS Structure and Planning Section.
- Current EPA Personnel On Site:
  - 3 Region 4 On-Scene Coordinators
  - 1 Region 3 On-Scene Coordinator
  - 1 EPA ERT Technical Specialist
  - 4 START

### **Regional Emergency Operation Centers**

- Region 4 REOC personnel are assisting in production of SitReps and providing logistical and resource support.

- Region 3 REOC personnel are coordinating resource and situational support with field personnel and EPA Region 4 REOC.

#### **ATTACHMENTS**

1- Duke Energy Sampling Location Map

**Situation Updates will be posted by 1600 each day for the time being.**

**Attachment 1**  
**Duke Energy Sampling Locations**

