

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Beaver Dam Creek Sludge Release - Removal Polrep
Final Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IV

Subject: POLREP #2
FINAL
Beaver Dam Creek Sludge Release

Rose Hill, NC
Latitude: 34.8226810 Longitude: -78.0260250

To:
From: Kenneth Rhame, OSC
Date: 9/30/2009
Reporting Period:

1. Introduction

1.1 Background

Site Number:	Contract Number:
D.O. Number:	Action Memo Date:
Response Authority: CWA	Response Type: Emergency
Response Lead: EPA	Incident Category: Removal Action
NPL Status: Non NPL	Operable Unit:
Mobilization Date: 9/14/2009	Start Date: 9/14/2009
Demob Date: 9/16/2009	Completion Date: 9/16/2009
CERCLIS ID:	RCRIS ID:
ERNS No.:	State Notification: NC DENR
FPN#:	Reimbursable Account #:

1.1.1 Incident Category

This Incident was responded to as a potential pollutant/contaminant release.

1.1.2 Site Description

US EPA Region 4 received a request for assistance from NC DENR DWQ as well as a NRC Report (NRC#917748) on September 14th regarding a release of unknown sludge to Cabin Creek, which is a tributary to Beaver Dam Creek which eventually discharges to the Cape Fear River. The release was reported to NC DENR DWQ on September 10th as a anonymous call. NC DENR investigated the complaint and confirmed the release, as they observed the sludge, collected samples and performed some water quality monitoring. The sample results indicated elevated levels of fecal e-coli and very low dissolved oxygen levels.

EPA conducted a emergency response and met NCDENR on September 15th. US EPA observed waste water treatment sludge in Cabin Creek at the House of Raeford chicken processing plant. Upstream from the chicken plant had no evidence of sludge. DENR performed D.O. monitoring upstream from the plant, D.O. was above 4 which would be normal. Downstream of the House of Raeford Plant, the D.O. was less than 1, approximately 0.13. US EPA believes that the source of the sludge release is the House of Raeford, based on field observations, location of the sludge and data collected by NC DENR.

1.1.2.1 Location

House of Raeford
3333 S Us Highway 117
Rose Hill, NC 28458

1.1.2.2 Description of Threat

A large quantity of waste water treatment sludge released to a water way.
Elevated levels of fecal e-coli, low dissolved oxygen thus a potential for a "fish kill" downstream.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

Waste Water Treatment Sludgte was visible in Cabin Creek next to and downstream of the House of Raeford chicken processing plant. Cabin Creek Dissolved Oxygen levels were normal (4.0) upstream from the chicken processing plant. Cabin Creek Dissolved Oxygen levels were low (0.13) next to and downstream of the chicken processing plant.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

EPA met with the NC DENR, House of Raeford Operations Manager, Plant Manager and Treatment Plant Operator to develop a plan forward.

2.1.2 Response Actions to Date

House of Raeford pumped several hundred thousand gallons of sludge from the creek back into the lagoons. House of Raeford began aerating creek. DWQ collected samples that will be analyzed by private lab. EPA and DENR will continue to monitor water quality in Beaver Dam Creek.

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

US EPA believes that the source of the sludge is the House of Raeford based on field observations and water quality findings.

2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>

2.2 Planning Section

2.2.1 Anticipated Activities

Continuation of stream monitoring.

2.2.1.1 Planned Response Activities

See above.

2.2.1.2 Next Steps

2.2.2 Issues

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

No information available at this time.

3. Participating Entities

No information available at this time.

4. Personnel On Site

No information available at this time.

5. Definition of Terms

No information available at this time.

6. Additional sources of information

No information available at this time.

7. Situational Reference Materials

No information available at this time.