

# **Known Pipeline Releases in South Carolina Requiring Assessment and/or Cleanup.**

## **Anderson County**

### **1. Plantation Pipeline (#18570) 100 Broadway Lake Rd., Anderson**

**Release:** May 12, 2014

**Release size:** Approximately 25,536 gallons of gasoline was released during maintenance activities

**History:** Approximately 800 tons of contaminated soil and 190 tons of chipped impacted trees were removed. Approximately 8,134 gallons of product recovered. Two 96 hour aggressive fluid vapor recovery (AFVR) events conducted.

**Impact:** Free-product and dissolved phase contamination contained on-site.

**Status:** Remediation with a bio-sparge system and routine monitoring is being conducted.

### **2. Plantation Pipeline Lewis Drive (#18693), 112 Lewis Dr., Belton**

**Release:** December 8, 2014

**Release size:** Approximately 369,600 gallons of gasoline.

**History:** Approximately 369,600 gallons of gasoline was released from Plantation Pipe Line Company's 26-inch pipeline. Approximately 218,280 gallons of product has been recovered through the end of March 3, 2017.

**Impact:** Free-product (FP) and dissolved phase contamination impacting Brown's Creek and Cupboard Creek. The total land area impacted calculated to be 18.37 acres, of which 12.5 acres is on the Lewis property and 5.87 acres in on the Plantation property.

**Status:** Currently initiating start-up of surface water protection measures. Corrective Action Plan for remediation is currently under review by the Department of Health and Environmental Control (DHEC).

## **Greenville County**

### **3. Colonial Gaffney Booster Station (#15234) 842 Race Track Rd., Gaffney**

**Releases:** 1985 & 1988.

**Release size:** 50 barrels of gasoline reported released.

**History:** 40 barrels recovered following 1985 release. Soils excavated. Pump & Treat installed in 1997, replaced by air sparge (AS) in 2002. Soil vapor extraction (SVE) system installed in 2003 but has since been shut down.

**Impact:** Plume is off-site.

**Status:** AS system will be expanded and SVE system will be installed to address residual source area.

### **4. Colonial Simpsonville Booster Station (#18469) 8 Jim Carey Way, Fountain Inn**

**Release:** Discovered January 2014 during a routine check at the station.

**Release size:** Quantity unknown

**History:** Release believed to be a small quantity, amount unknown. 3,000 gallons recovered early January 2014 and impacted soils removed. A full-scale FP recovery system implemented in February 2014, 44,845 gallons of LNAPL & 507,172 gallons water recovered to date.

**Impact:** Plume is contained on-site.

**Status:** Remediation via free product recovery system

## **Laurens County**

### **5. Colonial Pipeline (#18702) 762 Hunter Rd, Fountain Inn**

**Release:** Reported April 12, 2015

**Release size:** Quantity unknown

**History:** Release discovered by owner's family in pasture land. The quantity of release stated unknown. Crack in a 36-inch pipeline. 10,831 tons of soil were excavated and disposed of offsite. Additionally, 1,200,000 gallons of water was pumped from the excavation and treated. Soil excavation conducted as part of the emergency response efforts to mitigate further environmental impact.

**Impact:** Monitoring of groundwater and surface water has not detected any impact.

**Status:** Currently conducting routine groundwater monitoring.

## Spartanburg County

### 6. Colonial Terminal (#13385) 180 Keltner Rd, Spartanburg

**Release:** Discovered May 20, 1997, at terminal facility.

**Release size:** Quantity unknown

**History:** 300 Gallons of Light Non-Aqueous Phase Liquid (LNAPL) removed along with 172 tons of impacted soil during initial abatement; Current remediation includes surfactant Injection combined with AFVR to remove LNAPL; 310 Gal. LNAPL removed through 38 Hrs. of AFVR in the past year.

**Impact:** LNAPL on groundwater, small dissolved plume restricted to the site.

**Status:** Remediation via Surfactant Injection w/ AFVR

### 7. Colonial/ Hess Pipeline Terminal (#13483), 2300 Southport Rd., Spartanburg

**Release:** Discovered January 1, 1987, at terminal facility.

**Release size:** 4000 to 5000 gallons

**History:** Remediation via Surfactant Injection w/ AFVR

Air Sparge/ Soil Vapor Extraction system in operation; 1820.5 Gal. LNAPL removed since July 2010.

**Impact:** LNAPL impacted groundwater, with large dissolved plume impacting nearby stream; restricted to pipeline property boundaries. 1,820.5 Gal. LNAPL removed since July 2010.

**Status:** Remediation via Air Sparge / Soil Vapor Extraction system in operation, long-duration AFVR events planned.

### 8. Colonial Pipeline Pipeline Release (#00991) Bellview Church Rd., Woodruff

**Release:** Discovered in April 1997 when CoCs were detected in surface water.

**Release size:** Over 21,000 gallons released in 1973, per report submitted to DHEC in 1998.

**History:** Benzene detected in a nearby creek in 1997. Corrective Action Plan for air-sparge/soil vapor extraction system approved in 1999. Since 2001, groundwater monitoring has demonstrated a significant reduction in dissolved petroleum CoCs and a shrinking dissolved plume.

**Impact:** Groundwater seeps to surface via natural spring to form creek contaminated with dissolved petroleum with impact restricted to Colonial property.

**Status:** Remediation via Air Sparge / Soil Vapor Extraction (AS/SVE) system in operation

## Possible Pipeline Releases

These two releases are near terminal areas. Historical records do not definitively identify the source(s) of the petroleum release. Subsequent work completed by the consultant or the responsible party has not verified the source of the release(s).

## Anderson County

### 9. Gulf/Chevron/BP (#13286) 14300 Hwy 20 N, Belton

**Release Dates:** 1970-1980, 1981, and 1984

**Release size:** 1970-1980: 1,300 gallons of product from prover line; 1981: 15,000 gallons of Jet A fuel; 1984: quantity unknown super unleaded gasoline from lines, location unknown.

**History:** Pump and Treat operated from 1985 to 1995 with approximately 3,762 gallons LNAPL recovered. Soil Vapor Extraction was conducted between 2005 and 2015. Fingerprint analysis found a mixture of leaded gasoline and a heavier fuel (Jet-A or #1 diesel)

**Impact:** Dissolved phase contamination contained on the bulk terminal area.

**Status:** Currently monitoring

## Edgefield County

### **10. AMOCO/BP/CP Buckeye North Augusta Terminal (#13269), Sweetwater Road, North Augusta**

**Releases:** Pre-1979, 1981, April 21, 2008, April 23, 2009, June 9, 2010

**Release size:** Pre-1979: quantity unknown; 1981: 25,000-gallon pipeline release; April 21, 2008: Transmix (gasoline & distillate fuel mixture) release from injection pump discharge relief system, quantity unknown; April 23, 2009: diesel fuel release from release valve, quantity unknown; June 9, 2010: Transmix (gasoline & distillate fuel mixture) release from injection pump discharge relief system, quantity estimated to be 455 gallons

**History:** Unknown quantities of soil removed. 6,500 gallons recovered via groundwater recovery between 1983-1989. Air Sparge conducted 2003-2011. Soil Vapor Extraction conducted 2003-2007.

**Impact:** Dissolved phase contamination on-site.

**Status:** Currently monitoring.