

APPROVED
7/31/11

[Signature] EPA

[Signature] DEP

**Soil Sampling Plan – Release Area rev 1
East Broadway Avenue Release
Central Florida Pipeline Company
Tampa, FL**

[Signature] CFPL
7-31-11

[Signature] EPL HC 7/31/11

Soil sampling activities are proposed within the release area to determine the general extent of shallow soil impacts within this area.

Three soil samples will be collected from the area directly beneath the pipeline following the soil removal, below the static groundwater level, prior to the placement of fill and the pipeline protective concrete mat. These soil samples are being collected to be representative of the 12" soil remaining beneath the pipeline.

The area downstream of the pipeline and on the bank slopes will be grided utilizing a 6-foot triangular grid to screen soils for potential indication of hydrocarbon impacts. Soil borings will be advanced at eight locations (four locations on each bank) to a maximum depth of four feet bls. These borings will be positioned to concur with the area of impact indicated from the soil screening. Soil samples will be collected from each soil boring at 0-6" bls, 6"-2' bls, and 2'-4' bls intervals. The samples will be placed within glass jars, and allowed to sit for 14 minutes for field screening with an organic vapor analyzer equipped with a flame-ionization detector (OVA-FID). Four borings will be completed within the immediate vicinity of the release area. Additionally, four borings will be completed along the banks of the canal area to assist in determining the extent of soil impacts. GPS readings will be collected from each of the soil sample locations.

One vadose zone soil sample will be collected from the highest OVA reading at each soil boring location. The soil samples collected will be submitted per Chapter 62-770 for the Kerosene Analytical Group - laboratory analysis by EPA Method 8260 for VOAs including MTBE, EPA Method 8270 for PAHs, and laboratory method FL-PRO for TRPH. Soil samples will be collected following Florida Department of Environmental Protection (FDEP) Standard Operating Procedures (SOP) for Field Activities (DEP-SOP-002/01). Depending on the initial sampling results, additional soil samples may be collected. The number and location of additional sampling events will be based upon initial sampling results as well as any changes in the site conditions.

Reporting

Upon receipt of the laboratory data the results will be provided to DEP and EPC. The data will be ultimately incorporated as part of the Site Assessment Report. The report will summarize the results of the sampling activities, laboratory analytical reports and include tables and figures. The reports will be provided to the DEP and EPC.

Attachment: Figure

**Proposed Environmental
Investigation Area
Division 1**
DRAFT

- Temporary Piezometer Locations
 - Approximate Analytical Soil Locations
 - ✚ Release Point
 - Division 1
- 1 inch = 50 feet

