PSTD
AST CLOSURE SAMPLING REQUIREMENTS

TANKS SITTING ON THE GROUND

- One sample under **each** tank, on the fill side or at the remote fill (most likely source of contamination).
- One sample down-gradient of the tanks.

TANKS SITTING ON A CONCRETE PAD

- One sample for **each** tank, taken directly off the concrete pad, on the fill end side of the tank or at the remote fill.
- One sample down-gradient of the tanks.

TANKS ON A CONCRETE PAD IN A STEEL OR CONCRETE CONTAINMENT DIKE

- Sample where piping enters containment (over or through the wall).
- Sample at remote fill (if applicable).
- Sample at any opening in the dike (i.e., drains, cracks).
- One sample taken down-gradient.

ABOVEGROUND PIPING

- Sample in locations with visible staining.

UNDERGROUND PIPING

- Sample at joints, elbows, or at least every 20 feet.
- Sample excavated backfill from lines to determine if it can be returned to the line trench(es). Contact the Technical Department prior to the over-excavation of the line trench(es). Collect one composite sample (made up of 10 grab samples) every 50 cubic yards.

DISPENSERS

- One sample beneath each dispenser on the supply side.
- If dispensers are located within 15 feet of each other on the same fuel island, collect one sample per fuel island on the supply side.

SAMPLES

- All samples should be collected 1-1/2 to 2 feet deep into native soil.
- Soil samples should be collected in accordance with EPA Method 5035A for BTEX and TPH-GRO. Laboratory analysis of BTEX should be performed in accordance with EPA methods 8021 or 8260. Laboratory analysis of TPH-GRO should be performed in accordance with the OK DEQ GRO method.
- Water samples should be collected in accordance with EPA Method 5030C for BTEX and TPH-GRO. Laboratory analysis of BTEX should be performed in accordance with EPA methods 8021 or 8260. Laboratory analysis of TPH-GRO should be performed in accordance with the OK DEQ GRO method.
- TPH-DRO samples should be collected and analyzed in accordance with the OK DEQ DRO method.
- Alternatively, TPH can be sampled and analyzed in accordance with method TNRCC 1005 as long as the laboratory's reporting limit meets the OCC action levels for low-concentration samples. (Note for soil samples, a 10-gram sample collected with a coring device and placed in unpreserved, pre-weighed VOA vials is required for method TNRCC 1005, instead of a 5-gram sample in pre-weighed VOA vials preserved in methanol as required for the EPA Method 5035A.)
- All samples should be analyzed for BTEX and the appropriate TPH range(s).
- All samples should be analyzed by a laboratory that has current DEQ accreditations for the matrix, method, and analyte of the specific analysis being performed.