

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.
- BTEX analysis of soil samples by EPA methods 8021 or 8260, or TPH-GRO analysis of soil samples by the OK DEQ GRO method should be collected in accordance with EPA Method 5035A.
- BTEX analysis of water samples by EPA methods 8021 or 8260, or TPH-GRO analysis of water samples by the OK DEQ GRO method should be collected in accordance with EPA Method 5030C.
- TPH-DRO analysis of samples should be collected and analyzed in accordance with the OK DEQ DRO method.
- Alternatively, TPH can be collected 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.
- 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.

CHANGE IN SERVICE REQUIREMENTS

When completing a change in service for an AST, that is going from currently in use status to temporarily out of use status, the following options are available achieve compliance with OAC 165:26-2-214.

- Conduct a complete site assessment with sampling locations meeting the above-mentioned requirements;
- Provide twelve (12) continuous periods of compliant 30-day release detection for **ALL** tanks and lines that will be subject to the change in service; or
- Perform a tank tightness test and line tightness test for **ALL** tanks and lines that will be subject to the change in service.