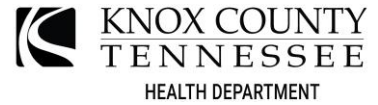


Knox County Department of Air Quality Management
 Non-Title V Permit Application
 APC-19 Form: Soil Vapor Extraction System
 (Please Type or Print)



| Please fill out a form for each soil vapor extraction system | | | | | |
|---|--|---------------------------|---|---------|-----------------------------------|
| 1. Business performing soil remediation information: | | | | | Air Quality Use Only |
| Business license name of corporation, company, individual owner, or governmental agency performing soil remediation | | | | | |
| Street | | City, State, Zip | | | Emission Unit Number |
| 2. Emission unit name: | | | | | |
| 3. Operating schedule: | | | | | |
| Hours per day | Days per week | Weeks per year | Days per year | | |
| | | | | | |
| 4. Percentage of yearly operation that occurs during the following quarters: (total must equal 100%) | | | | | |
| Dec-Jan-Feb | Mar-April-May | June-July-Aug | Sept-Oct-Nov | | |
| | | | | | |
| 5. Site data: | | | | | |
| Highest concentration found in soil of: | Benzene | Toluene | Ethylbenzene | Xylenes | Total Petroleum Hydrocarbon (TPH) |
| Soil concentrations are in: <input type="checkbox"/> PPM wt <input type="checkbox"/> PPM vol <input type="checkbox"/> mg/M ³ <input type="checkbox"/> Other (specify): | | | | | |
| Highest concentration found in groundwater of: | Benzene | Toluene | Ethylbenzene | Xylenes | Total Petroleum Hydrocarbon (TPH) |
| Groundwater concentrations are in: <input type="checkbox"/> PPM wt <input type="checkbox"/> PPM vol <input type="checkbox"/> PPB (µg/L) <input type="checkbox"/> Other (specify): | | | | | |
| Estimated total mass of contaminant (lbs) | | | Estimated total remediation time (years and months) | | |
| | | | | | |
| 6. Exhaust stack and control device data: (complete for each vent/stack and attach additional sheets if necessary) | | | | | |
| Height above grade (ft) | Diameter (ft) | Blower horsepower | Distance to nearest property line (ft) | | |
| | | | | | |
| Maximum flow (actual ft ³ /min) | Average flow (actual ft ³ /min) | Average velocity (ft/sec) | Temperature (°F) | | |
| | | | | | |
| Control device(s): <input type="checkbox"/> None <input type="checkbox"/> Adsorption <input type="checkbox"/> Thermal oxidizer <input type="checkbox"/> Catalytic oxidizer <input type="checkbox"/> Other (describe): | | | | | Control efficiency (%) |
| | | | | | |

7. Compliance demonstration and monitoring/recording devices:

Description of proposed monitoring and recordkeeping to assure compliance with emission limits. Include operating parameters of source and/or control device being monitored (temperature, pressure drop, etc.).

Check all attached monitoring and recording devices:

- No monitor
 Pressure drop gauge
 Temperature gauge
 Electronic data logger
 Strip chart
 Other (describe):

8. Comments

(This area is intentionally left blank for user input.)

9. Based upon information and belief formed after a reasonable inquiry, I certify that the information contained in this application is accurate and true to the best of my knowledge.

| | |
|-----------------------------------|---------------------|
| Signature of responsible official | Date of application |
|-----------------------------------|---------------------|