

KNOX COUNTY DEPARTMENT OF AIR QUALITY MANAGEMENT

FORM APC-19
(PLEASE TYPE OR PRINT)

SOIL VAPOR EXTRACTION SYSTEM
CONSTRUCTION PERMIT APPLICATION

GENERAL INFORMATION

1. COMPANY PERFORMING SOIL REMEDIATION: _____
2. NAME AND ADDRESS OF COMPANY, CORPORATION, OR OTHER OWNER OF SITE WHERE REMEDIATION PERFORMED:

3. REMEDIATION SITE ADDRESS: _____

STACK DATA

- | | |
|--|--|
| 4. STACK HEIGHT ABOVE GRADE: _____ M | 5. INSIDE DIAMETER: _____ M |
| 6. EXIT FLOW RATE: _____ CFM AVG. _____ CFM MAX. | 7. EXIT VELOCITY: _____ M/S |
| 8. BLOWER HORSEPOWER: _____ | 9. EXHAUST STREAM TEMP. (F ^o): _____ |

EMISSION CONTROL DATA

10. CHECK AND COMPLETE ONE SECTION AS APPROPRIATE:

- | | | |
|--|---|---|
| <input type="checkbox"/> CARBON ADSORPTION
BLOWER HORSEPOWER: _____
MASS CARBON TO BE USED: _____ Kg
DIMENSIONS OF CARBON BED:
_____ X _____ X _____ cm
PLANNED CARBON REPLACEMENT
INTERVAL: _____ DAYS | <input type="checkbox"/> THERMAL OXIDIZER
BLOWER HORSEPOWER: _____
TYPE OF FUEL: _____
MAX. BTU/HR RATING: _____
MIN. TEMP. MAINTAINED: _____ °C | <input type="checkbox"/> CATALYTIC OXIDIZER
BLOWER HORSEPOWER: _____
TYPE OF FUEL: _____
MAX. BTU/HR RATING: _____
TEMP INCREASE AS FUNCTION
OF VOC CON.: _____
CATALYST: TYPE: _____
SUPPLIER: _____
EXPECTED LIFE: _____
(DAYS) |
|--|---|---|

SITE DATA (PLEASE INCLUDE COPIES OF ANALYSIS)

11. HIGHEST CONCENTRATION FOUND IN SOIL OF:
BENZENE: _____ TOLUENE: _____ ETHYLBENZENE: _____ XYLENES: _____ TPH: _____
CONCENTRATIONS ARE IN: mg/M³ PPM VOL PPM WT OTHER: _____
12. HIGHEST CONCENTRATION FOUND IN GROUNDWATER OF:
BENZENE: _____ TOLUENE: _____ ETHYLBENZENE: _____ XYLENES: _____ TPH: _____
CONCENTRATIONS ARE IN: mg/M³ PPM VOL PPM WT OTHER: _____
13. ESTIMATED TOTAL MASS OF CONTAMINANT: _____ LBS.
14. ESTIMATED TOTAL REMEDIATION TIME: _____ YEARS _____ MONTHS
15. NORMAL OPERATING HOURS: CONTINUOUS OTHER: _____

16. SIGNATURE OF RESPONSIBLE MEMBER OF COMPANY: _____
17. DATE: _____ TITLE: _____