INSTRUCTIONS FOR APC 6
STORAGE TANKS

SOURCES THAT ARE REQUIRED TO OBTAIN A PERMIT UNDER PARAGRAPH 1200-03-09-.02(11) OF TENNESSEE AIR POLLUTION CONTROL REGULATIONS, MUST COMPLETE AND RETURN THIS FORM, IF APPLICABLE. APPLICATIONS ARE INCOMPLETE UNLESS ALL APPLICABLE INFORMATION REQUESTED HEREIN IS SUPPLIED. FAILURE TO SUPPLY ANY ADDITIONAL INFORMATION REQUESTED BY THE TECHNICAL SECRETARY TO ENABLE HIM TO ACT ON THE APPLICATION MAY RESULT IN DENIAL OF THIS APPLICATION. IF THERE IS ADDITIONAL INFORMATION THAT WILL NOT FIT ON A FORM, PLEASE DECLARE THE INFORMATION ON ADDITIONAL SHEET(S) AND ATTACH IT TO THE BACK OF THE ORIGINAL.

ONE FORM MUST BE COMPLETED FOR EACH STORAGE TANK FOR WHICH AN AIR POLLUTION CONTROL PERMIT IS REQUIRED.

IF YOU WISH TO PROVIDE ADDITIONAL INFORMATION TO DEFINE ALTERNATIVE OPERATING SCENARIOS OR DEFINE PERMIT TERMS AND CONDITIONS ALLOWING EMISSIONS TRADING UNDER A FEDERALLY ENFORCEABLE EMISSIONS CAP TO BE ESTABLISHED IN THE PERMIT, PLEASE DECLARE THE INFORMATION ON AN APC FORM(S) OR ON ADDITIONAL SHEET(S). UNLESS OTHERWISE REQUESTED AS A LIMITING CONDITION, PERMIT IS BASED ON 8,760 HRS/YR.

ITEM 3   ASSIGN AN IDENTIFICATION CODE TO THIS STORAGE TANK (e.g.., T1, T2, etc.).

ITEM 7   IF THE TANK ROOF IS SLOPED, PROVIDE THE AVERAGE TANK HEIGHT.

ITEM 10   A SUBMERGED FILL PIPE IS ANY FILL PIPE WITH A DISCHARGE OPENING WHICH IS ENTIRELY SUBMERGED WHEN THE LIQUID LEVEL IS SIX INCHES ABOVE THE TANK BOTTOM.

ITEM 12   ANSWER ONLY IF YOU HAVE A FIXED ROOF TANK.
            THE FOLLOWING EQUATION CAN BE USED TO CALCULATE THE TANK ROOF HEIGHT OF A CONE ROOF TANK:
                $H = S \times R$
            WHERE H IS THE TANK ROOF HEIGHT, FT
                   S IS THE TANK CONE ROOF SLOPE, IF UNKNOWN A STANDARD VALUE OF 0.0625 FT/FT CAN BE USED, FT/FT
                   R IS THE TANK SHELL RADIUS, FT
            THE FOLLOWING EQUATION CAN BE USED TO CALCULATE THE TANK ROOF HEIGHT OF A DOME ROOF TANK:
                $H = R_R - (R_R^2 - R_S^2)^{0.5}$
            WHERE H IS THE TANK ROOF HEIGHT, FT
                   R_R IS THE TANK DOME ROOF RADIUS, FT
                   R_S IS THE TANK SHELL RADIUS, FT

ITEM 13   ANSWER ONLY IF YOU HAVE AN INTERNAL OR EXTERNAL FLOATING ROOF TANK. CHECK THE SHELL CONDITION.

ITEM 14   ANSWER ONLY IF YOU HAVE AN EXTERNAL FLOATING ROOF TANK

ITEM 14B CHECK THE APPROPRIATE RIM SEAL TYPE.
ITEM 14C CHECK THE APPROPRIATE ROOF TYPE.
ITEM 14D INDICATE THE TOTAL NUMBER OF EACH APPROPRIATE ROOF FITTING TYPE IN THE SPACE PROVIDED.

ITEM 15   ANSWER ONLY IF YOU HAVE AN INTERNAL FLOATING ROOF TANK.

ITEM 15A CHECK THE APPROPRIATE RIM SEAL TYPE.
ITEM 15B INDICATE THE NUMBER OF FIXED ROOF SUPPORT COLUMNS. ENTER "0" IF THE FIXED ROOF IS SELF SUPPORTED.
ITEM 15C INDICATE THE EFFECTIVE COLUMN DIAMETER (FT). USE THE COLUMN PERIMETER (FT)/3.14 OR 1.1 FT FOR A 9-INCH BY 7-INCH BUILT-UP COLUMN, 0.7 FT FOR 8-INCH DIAMETER PIPE COLUMNS, AND 1.0 IF COLUMN DIMENSIONS ARE NOT KNOWN.
ITEM 15D CHECK THE APPROPRIATE DECK TYPE.
ITEM 15E INDICATE THE TOTAL DECK SEAM LENGTH.
ITEM 15F INDICATE THE DECK AREA.
ITEM 15G INDICATE THE TOTAL NUMBER OF EACH APPROPRIATE DECK FITTING TYPE IN THE SPACE PROVIDED.

ITEM 16   ANSWER ONLY IF YOU HAVE A VARIABLE VAPOR SPACE TANK. INDICATE THE VOLUME EXPANSION CAPACITY OF THE VARIABLE VAPOR SPACE ACHIEVED BY ROOF LIFTING OR DIAPHRAGM FLEXING.

ITEM 17   COMPLETE THIS TABLE FOR ALL MATERIALS WHICH ARE STORED IN THIS TANK AND GIVE THE WEIGHT PERCENT OF EACH COMPONENT. IF THE TANK IS USED FOR MORE THAN ONE MATERIAL OR PRODUCT, CLEARLY SPECIFY EACH SEPARATE MATERIAL AND GIVE THE PERCENT BY WEIGHT OF THE COMPONENTS OF EACH. VAPOR PRESSURES SHOULD BE GIVEN AS REAL VAPOR PRESSURES AT THE TANK CONDITIONS GIVEN. MOLECULAR WEIGHT, VAPOR PRESSURE, AND STORAGE PRESSURE ARE NOT REQUIRED FOR GASOLINE AND DIESEL.

ITEM 18   ALSO INDICATE HERE IF THIS TANK WILL SERVE OPERATIONS AT: A BULK TERMINAL WHICH RECEIVES GASOLINE FROM REFINERIES, A BULK GASOLINE PLANT WHICH RECEIVES GASOLINE FROM BULK GASOLINE TERMINALS FOR SUBSEQUENT DISTRIBUTION TO DISPENSING FACILITIES.

ITEM 19   PAGE NUMBER MUST BE FILLED IN. REVISION NUMBER AND DATE OF REVISION ARE TO BE FILLED IN ONLY IF THE INFORMATION ON THIS FORM IS BEING REVISED.

IF ANY ITEM ON THIS APPLICATION IS NOT APPLICABLE TO THIS FACILITY, THE ITEM MUST BE FILLED IN WITH "NOT APPLICABLE" OR "N/A".