

FORM B3

EMISSION SOURCE (LIQUID STORAGE TANK)

REVISED 09/22/16

NCDEQ/Division of Air Quality - Application for Air Permit to Construct/Operate

B3

EMISSION SOURCE DESCRIPTION:	EMISSION SOURCE ID NO:
OPERATING SCENARIO: _____ OF _____	CONTROL DEVICE ID NO(S):
EMISSION POINT (STACK) ID NO(S):	

EACH STORAGE TANK

DESCRIBE IN DETAIL THE STORAGE TANK (ATTACH FLOW DIAGRAM):

LIQUID STORED:	LIQUID MOLECULAR WEIGHT (LB/LB-MOLE):
TANK CAPACITY (GAL):	VAPOR MOLECULAR WEIGHT (LB/LB-MOLE):
AVERAGE LIQUID SURFACE TEMPERATURE (F):	VAPOR PRESSURE AT AVE. LIQUID SURFACE TEMP (PSIA):
MAX. LIQUID SURFACE TEMP (°F):	MAX. TRUE VAPOR PRESS. (PSIA):
BREATHER VENT SETTINGS (PSIG) _____ VACUUM _____ PRESSURE	
SHELL DIAMETER (FT):	SHELL CONDITION: <input type="checkbox"/> GOOD <input type="checkbox"/> POOR
SHELL COLOR:	IS TANK HEATED: <input type="checkbox"/> YES <input type="checkbox"/> NO
WORKING VOLUME (GAL):	MAXIMUM THROUGHPUT (GAL/YR):
MAX. FILLS PER DAY:	MAXIMUM TURNOVERS PER YEAR:
MAX. FILLING RATE (GAL/MIN):	ACTUAL THROUGHPUT (GAL/YR):
	ACTUAL TURNOVERS PER YEAR:
	MIN. DURATION OF FILL (HR/FILL):

VERTICAL FIXED ROOF TANKS

SHELL HEIGHT (FT):	ROOF TYPE: <input type="checkbox"/> CONE <input type="checkbox"/> DOME	ROOF HEIGHT (FT): _____
AVERAGE LIQUID HEIGHT (FT):	ROOF CONDITION: <input type="checkbox"/> GOOD <input type="checkbox"/> POOR	
MAXIMUM LIQUID HEIGHT (FT):	ROOF COLOR:	

HORIZONTAL TANKS

SHELL LENGTH (FT):	IS TANK UNDERGROUND?: <input type="checkbox"/> YES <input type="checkbox"/> NO
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FLOATING ROOF TANKS

DESCRIBE PERTINENT TANK DATA SUCH AS DECKS, RIM-SEALS, LIQUID DENSITY @ 60 DEG F:

FOR ALL TANKS - DESCRIBE ANY MONITORING OR WARNING DEVICES (SUCH AS LEAK AND FUME DETECTION INSTRUMENTATION):

COMMENTS:

Attach Additional Sheets As Necessary