



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL

Division of Technical Services
1035 Stevenson Drive
Springfield, Illinois 62703-4259
(217)524-7605

Amended

FOR OFFICE USE ONLY

Facility # 3-000178
Permit # 01170-2011INS
Request Rec'd 11/28/2011
Amended Date 12/14/2011
Approval Date 12/1/2011 JC
Permit Expires 6/1/2012

Permit for INSTALLATION of Underground Storage Tank(s) and Piping for Petroleum and Hazardous Substances.

Permission to install underground storage tank(s) or piping is hereby granted. Such installation must be in complete accordance with acceptable materials as specified in the Federal Register, Part II Environmental Protection Agency, 40 CFR Parts 280 and 281, and also with all sections of 41 Illinois Administrative Code, Parts 174, 175 and 176. The contractor the permit was issued to or an employee of that contractor (this does not include a subcontractor) shall submit a required job schedule for installation of underground storage tank(s) to the Office of the State Fire Marshal, Division of Petroleum and Chemical Safety. THIS PERMIT IS VALID FOR SIX MONTHS FROM THE APPROVAL DATE.

Table with 2 columns: (1) OWNER OF TANKS - Corporation, partnership, or other business entity; Caterpillar Inc, 100 N.E. Adams St, Peoria, IL 61629, Contact: Rainy Shorey (309) 675-3204; (2) FACILITY - name and address where tanks are located; Peoria Proving Grounds, Spring Creek Rd, Washington, Tazewell Co., IL, Contact: Mandy Chadwick (309) 825-4105

(3) INSTALLATION OF TANKS:

- (a) Number and size of tanks being installed: (TK # 8, 9, 10, 11) - 12,000 gallons, (TK # 12, 13) - 550 gallons
(b) Type of tanks: (TK # 8, 9, 10, 11, 12, 13) - (Installing) Fiberglass Brine Filled Double Wall Containment Solutions
(c) Type of piping: (TK # 8, 9, 10, 11) - (Installing) Steel Single Wall Piping from the transition sump next to the building, to the building's basement (below grade) storage area, and then through various routes that include manifold sections, by-pass sections, two CAT fuel filters, and then through a circuitous loop to six standard diesel dispensers at locations as shown on the amended site plan; (however, two of these dispenser locations will at present simply be piped with impact valve installed, and plugged for possible future use as shown on the amended site plan), and to the fast fueler dispensers located near the standard dispensers at each corner; HOWEVER, there will NOT be a fast fueler type dispenser at the southwest corner. (TK # 8, 9, 10, 11, 12, 13) - (Installing) Fiberglass Double Wall Ameron Dualoy 3000/LCX from tanks 8,9,10,11 to the transition sump located next to the building, and from tanks 12 and 13 to their respective dispensers.
(d) Product to be stored in each tank: (TK # 8, 9, 10, 11) - Diesel Fuel, (TK # 12, 13) - Hazardous Substance (Infineum R557 anti-gel additive for tank #12, and windshield washer solvent methanol for tank #13).
(e) Type of leak detection being used:
Tank: (TK # 8, 9, 10, 11, 12, 13) - (Installing) Hydrostatic Reservoir Sensors Interstitial Monitoring Veeder Root TLS 450 Dual stage, (TK # 8, 9, 10, 11, 12, 13) - (Installing) Automatic Tank Gauging Veeder Root TLS 450
Piping: (TK # 8, 9, 10, 11, 12, 13) - (Installing) Piping Sump Sensors Interstitial Monitoring Veeder Root TLS 450 at all submersible sumps, at the transition sump next to the building, and at all dispenser sumps (an extractor fitting / valve must be present at tank #13 to confirm European suction for that tank system), (TK # 8, 9, 10, 11, 12) - (Installing) Electronic Pressurized Line Leak Detection Veeder Root TLS 450 - the line leak detectors for tanks 8,9,10,11 must be able to function properly with manifold piping, (TK # 13) - (Installing) European with No Test Req Suction
(f) Corrosion Protection being used:
Tank: (TK # 8, 9, 10, 11, 12, 13) - (Installing) Fiberglass Non-Corrosive
Piping: (TK # 8, 9, 10, 11, 12, 13) - (Installing) Fiberglass Non-Corrosive, (TK # 8, 9, 10, 11) - (Installing) Other Aboveground Piping (within the basement below grade area of this facility).
(g) Spill containment devices, piping and dispenser containment devices:
(h) Overfill prevention devices:

(4) The owner must notify this Office when completion of tank installation has occurred, on the Notification for Underground Storage Tank Form and the licensed contractor must submit the required job schedule for installation to the OSFM prior to the work being performed. Both forms can be obtained at www.sfm.illinois.gov or by calling (217)785-1020.

(5) GENERAL REQUIREMENTS: There shall be a minimum of two manufactured slotted or perforated observation wells of at least 4 inches in diameter, installed in each new tank field of tanks larger than 1000 gallons and one well for tanks less than 1000 gallons. A water tight containment shall be installed under all dispensers and at submersible pumps. A hydrostatic test must be performed on all containments. All steel piping for vents, risers, and fills in contact with the ground, backfill, or water shall be dielectrically wrapped or coated. A positive shut off valve shall be installed on pressurized product lines, at the submersibles, or installed at the tank for all suction piping systems. Vent piping is required to be tested from tank to grade level. All steel flex connectors in contact with ground, backfill or water shall have corrosion protection.

(6) SPECIAL CONTINGENCIES:

(7) PERSON, FIRM OR COMPANY PERFORMING WORK:

Contact Person: Chris Epkins

Phone:

Contractor Registration # IL-1293 Exp.

Sincerely,

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cc: Storage Tank Safety Specialist -
Fire Department -
Office Coordinator -
Division File
(Rev. - 9/10)