



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
Division of Technical Services
1035 Stevenson Drive
Springfield, Illinois 62703-4259
(217)524-7605

FOR OFFICE USE ONLY
Facility # 2-005475
Permit # 00190-2012UPG
Request Rec'd 03/01/2012
Amended Date
Approval Date 3/1/2012 JC
Permit Expires 9/1/2012

Permit for UPGRADE or REPAIR of Underground Storage Tank(s) and Piping for Petroleum and Hazardous Substances.

Permission to upgrade or repair underground storage tank(s) or piping is hereby granted. Such upgrade or repair 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 underground piping upgrade, leak detection, spill and overfill prevention 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.**

(1) OWNER OF TANKS - Corporation, partnership, or other business entity: Chicago Executive Airport 1020 South Plant Road Wheeling, IL 60090 Contact: Dennis Rouleau (847) 537-1200	(2) FACILITY - name and address where tanks are located: Signature Flight Support 1126 S. Milwaukee Avenue Wheeling, Cook Co., IL Contact: Tim Latendresse (847) 537-1200
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(3) UPGRADE OR REPAIR OF TANKS:

(a) Number and size of tanks being upgraded or repaired: (TK # 17) - 20,000 gallons

(b) Type of tanks:

(c) Type of piping: (TK # 17) - (Installing) Aboveground single wall steel Piping from the new above ground remote fill box to the existing above ground tee fitting just before the existing above ground filter / pump assembly. From the tank, a new above ground section of suction single wall steel piping will be installed that will also hook to the tee fitting just before the pump assembly. Then, a new above ground single wall steel return line will be installed from the discharge side of the existing pump / filter assembly, to the tank, where it will connect at an above grade point with the existing tank fill riser, (TK # 17) - (Installing) Positive Shutoff Valves in various locations along the new above ground remote fill and supply / return lines, (TK # 17) - (Installing) Steel Single Wall Piping for all the new above ground piping remote fill, supply and return lines. Existing short sections of piping to the above ground fueling cabinets will remain. The existing underground fiberglass line running from the above ground tee just before the above ground pump assembly to the tank will be abandoned in place through permit #00191-2012ABN.

(d) Product to be stored in each tank: (TK # 17) - Aviation Fuel

(e) Type of leak detection being used:

Tank:

Piping: (TK # 17) - (Installing) - European suction (when the existing above ground pump is turned on) from the above ground remote fill line to the pump assembly where it then exits as above ground pressure piping to the tank, and it will also pressure supply the existing above ground aviation fueling cabinets). The fuel drops from the delivery truck will also be suctioned off through the existing pump / filter assembly and sent to the underground storage tank. Furthermore, the new above ground piping run from the tank to the same tee fitting just before the pump assembly will also be a suction supply line. Contractor notes the existing pump delivery rate of 80 GPM. An OPW chart shows the delivery rate for the existing overfill drop tube valve can handle - with a 12 foot head pressure - between 250 and 300 GPM. Contractor also states there is an existing line leak detector on the line right after the filter assembly. In conclusion, fuel is being filtered twice before it reaches the dispensing cabinets: once during the truck fuel drop to the tank, and once again after it leaves the underground storage tank, pump, and filter to the dispenser cabinets.

(f) Corrosion Protection being used:

Tank:

Piping: (TK # 17) - (Installing) Aboveground Piping

(g) Spill containment devices, piping, and dispenser containment devices:

(h) Overfill prevention devices:

(i) Manway accessible at grade:

(4) The owner must notify this Office when completion of tank upgrade/repair has occurred, on the Notification for Underground Storage Tank Form and the licensed contractor must submit the required job schedule for underground piping upgrade, leak detection, spill and overfill prevention 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) SPECIAL CONTINGENCIES: Collision protection must be provided for all above ground piping, above ground remote fill, and above ground pump / filter assembly.

(6) PERSON, FIRM OR COMPANY PERFORMING WORK:

Chicago Heights, IL 60411

Contact Person: Ray Kirchner
Phone:

Contractor Registration # IL-194 Exp.

Sincerely,



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