



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL

Blended Fuel Compatibility Form

Facility - 4024114

Facility Name Thornton Oil Corporation
#360
Address 906 N. Main Street
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County McLean
Contact Name Ronda Heintz
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Tank - 10

Tank Material Fiberglass Brine Filled Double
Wall
Tank Capacity 6,000
Tank Product E85
Tank Install Date 3/31/2011

Tank Equipment

Compatibility Item	Model/Manufacturer	Compatibility Method	Documentation	Comment
Fiberglass Brine Filled Double Wall	XERXES	Lab Certification	xerxes.pdf	

Piping Equipment

Compatibility Item	Model/Manufacturer	Compatibility Method	Documentation	Comment
Shear valves	EBW 662 E-coated	Manufacturer Approval	FF shear valves.pdf	
Stainless Steel flex connector	Flexing Fire Flex FF20X18HMXM346	Manufacturer Approval	Flexing SS flex connector s.pdf	
Fiberglass Double Wall	Ameron Dualoy 3000/LCX	Lab Certification	nov-1.pdf	

Containment Sump Equipment

Compatibility Item	Model/Manufacturer	Compatibility Method	Documentation	Comment
Dispensers 7&8, 11&12 UDCs	APT SW polyethylene LM series	Manufacturer Approval	APT SW Polyethylene sump s.pdf	These sumps are not normally in contact with E85 fuel
Single Wall STP/Tanktop Sump	Xerxes SW fiberglass water tight	Lab Certification	Xerxes FRP Containment sumps.pdf	
Single Wall UDC Sump	APT	Manufacturer Approval	APT sumps.pdf	

Release Detection Tank Equipment

Compatibility Item	Model/Manufacturer	Compatibility Method	Documentation	Comment
ATG Probe	Veeder Root 846391-407	Manufacturer Approval	Veeder Root components.pdf	
Hydrostatic Reservoir Interstitial Monitoring Sensors	Veeder Root 794380-301	Manufacturer Approval	Veeder Root components.pdf	Sensor is usually in contact with brine and not a concern when used with an E85 ...

Release Detection Piping Equipment

Compatibility Item	Model/Manufacturer	Compatibility Method	Documentation	Comment
Electronic Pressurized Line Leak Detection	Veeder Root PLLD 848480-001	Manufacturer Approval	Veeder Root componets.pdf	
Non-Discriminating Sump Sensor with positive shutdown in Single Wall STP/Tanktop Sump	Veeder Root 794380-323	Manufacturer Approval	Veeder Root componets.pdf	

Spill Prevention Equipment

Compatibility Item	Model/Manufacturer	Compatibility Method	Documentation	Comment
Double Wall Spill Bucket	Franklin Fueling Defender 705555-101-01-GKT	Manufacturer Approval	Defender Series fuel compatibility_2018.pdf	

Overfill Prevention Equipment

Compatibility Item	Model/Manufacturer	Compatibility Method	Documentation	Comment
Overfill Drop Tube Valve	OPW	Manufacturer Approval	OPW 71SO droptube.pdf	

Pump Equipment

Compatibility Item	Model/Manufacturer	Compatibility Method	Documentation	Comment
Submerged turbine pump	Franklin Fueling STPAG150VL2	Manufacturer Approval	FF STPAG150.pdf	
Dispensers 7&8, 11&12	Gilbarco Encore 500S, 3+1 Flex Fuel	Lab Certification	Gilbarco Flex Fuel dispensers.pdf	
Pump Hoses	Futura E-85 FLXE200900, FLXE200009	Lab Certification	FF E85 hoses.pdf	
Safety break away	Husky 6273	Manufacturer Approval	Husky E85 break away.pdf	
Pump hose swivel	OPW 241TPS-0492	Manufacturer Approval	OPW E-85 swivels.pdf	
Nozzle	OPW 11BP-0992-E85	Manufacturer Approval	OPW nozzles.pdf	

Gaskets & Seals Equipment

No documentation submitted - Not Required for tanks installed prior to 10/13/2018

Joint Dopes & Adhesives Equipment

No documentation submitted - Not Required for tanks installed prior to 10/13/2018

Correspondence Contact		☒ By checking this box, I certify that this Blended Fuel Compatibility Form has been completed as required by OSFM rules.
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