

Appendix I-H

Chemical Products Used and Stored (Feb 2022)





Appendix I-H – Chemical Products Used and Stored

The below table provides a preliminary list of chemical products to be used on the Project (if stored volume exceeds United States Environmental Protection Agency (EPA) Reportable Quantities); the volume stored on location; their treatment, discharge, or disposal method and location; and any other necessary permit(s) pertaining to these chemical products. It is not anticipated that any additional permits will be required. The list below is preliminary and will be updated in the FDR and FIR.

Chemical Product Used	Use	Volume Stored on Location or Contained in Equipment	Treatment, discharge, or disposal method and location	Manner of delivery to site	Quantity per Transfer and Number of Transfers
Synthetic Ester	OSS Transformer Cooling Oil	159,482 liters (42,131 gallons) per OSS	Removed from transformer to service vessel during routine maintenance Material brought to port for disposal	Transferred via installation or service vessel at time of installation Transferred via service vessels during O&M phase	Every 2 years, based on conditions, if needed
Motor Oil	OSS Emergency Generator	44 liters (12 gallons) per OTM	Removed from engine and brought to port for disposal	Transferred via installation or service vessel at time of installation Transferred via service vessels during O&M phase	Annually, based on conditions, if needed
Hydraulic oil	OSS Heavy Lift Crane	1,267 liters (335 gallons) per OSS	Removed from hydraulic system and brought to port for disposal	Transferred via installation or service vessel at time of installation Transferred via service vessels during O&M phase	Annually, based on conditions, if needed

Chemical Product Used	Use	Volume Stored on Location or Contained in Equipment	Treatment, discharge, or disposal method and location	Manner of delivery to site	Quantity per Transfer and Number of Transfers
Diesel Oil	OSS Emergency Generator	160,856 liters (42,494 gallons) per OSS	Removed from fuel storage tank brought to port for disposal	Transferred via installation or service vessel at time of installation Transferred via service vessels during O&M phase	As required
Water/glycol	OSS Emergency Generator	114 liters (30 gallons) per OSS	Removed from OSS components brought to port for disposal	Transferred via installation or service vessel at time of installation Transferred via service vessels during O&M phase	Every 2 years
Grease	WTG bearings and auxiliary equipment	355 liters (94 gallons) per WTG	Removed from WTG components brought to port for disposal	Transferred via installation or service vessel at time of installation Transferred via service vessels during O&M phase	Every 2 years
Synthetic Ester	WTG Transformer Cooling Fluid	4,500 liters (1,189 gallons) per WTG	Removed from transformer to service vessel during routine maintenance Material brought to port for disposal	Transferred via installation or service vessel at time of installation Transferred via service vessels during O&M phase	Every 2 years, based on conditions, if needed

Chemical Product Used	Use	Volume Stored on Location or Contained in Equipment	Treatment, discharge, or disposal method and location	Manner of delivery to site	Quantity per Transfer and Number of Transfers
Compressor oil	Rotor locking and rotor brake	83 liters (22 gallons) per WTG	Removed from WTG components brought to port for disposal	Transferred via installation or service vessel at time of installation Transferred via service vessels during O&M phase	Every 4 years, based on conditions, if needed
Lubricating oil	WTG Pitch and yaw gear and damper mass system lubricants	323 liters (85 gallons) per WTG	Removed from WTG components brought to port for disposal	Transferred via installation or service vessel at time of installation Transferred via service vessels during O&M phase	Every 4 years
Water Propylene Glycol mix	WTG Coolant	1,300 liters (343 gallons) per WTG	Removed from cooling system and brought to port for disposal	Transferred via installation or service vessel at time of installation Transferred via service vessels during O&M phase	Every 2 years
Fire suppressant (foam)	WTG	75 liters (20 gallons) per WTG	Collected and brought to port for appropriate disposal as necessary	Transferred via installation or service vessel at time of installation Transferred via service vessels during O&M phase	As needed

Chemical Product Used	Use	Volume Stored on Location or Contained in Equipment	Treatment, discharge, or disposal method and location	Manner of delivery to site	Quantity per Transfer and Number of Transfers
Fire suppressant IG541 inert gas bottles	WTG	9 * 5.91 kg	Removed from WTG components brought to port for disposal	Transferred via installation or service vessel at time of installation Transferred via service vessels during O&M phase	As needed
Ion exchange resin	WTG	27.5 liters (7.3 gallons) per WTG	Removed from WTG components brought to port for disposal	Transferred via installation or service vessel at time of installation Transferred via service vessels during O&M phase	As needed
SF6 gas	WTG and OSS Switchgear	n/a	Removed from WTG and OSS components and brought to port for disposal	Transferred via installation or service vessel at time of installation	As needed
Portable fire extinguishers	Foam and CO ₂ extinguishers	9L Foam and 6kg CO ₂ per extinguisher	Removed from WTG and OSS components and brought to port for disposal	Transferred via installation or service vessel at time of installation Transferred via service vessels during O&M phase	As needed