



HEXA-COVER® FLOATING COVER  
OIL & GAS DUTY

## Hexa-Cover® Oil & Gas Duty

The unique and patented Hexa-Cover® Floating Cover is perfect in almost any type of Oil & Gas tank.

Engineered and manufactured in Canada under license from Hexa-Cover Denmark the Hexa-Cover® Oil and Gas Duty product has proven to be an effective and efficient option for hot heavy oil duty applications such as CHOPS, Diluted Bitumen and SAGD.

Hexa-Cover® Oil & Gas Duty are designed as hexagonal shapes with symmetric ribs on both sides. The ribs allow for the floating structures to distribute naturally and uniformly on the liquid surface without overlapping to form an inter-connecting blanket barrier at the surface of the heavy oil, impeding odours and vapours. A low density ensures that the Hexa-Cover® Oil & Gas Duty will float above the surface of the heavy oil liquid. A special Helical scalloped edge allows the Hexa-Cover® Oil & Gas Duty to interlock and form an integrated matrix.

Hexa-Cover® Oil & Gas Duty are designed to

- Reduce tank vent emissions such as BTEX benzene, Toluene, Ethylbenzene and Xylene
- Lower tank head space vapour load burdens on existing VRU systems to eliminate the need to add extra equipment capacity
- Eliminate or reduce water vapour that act as a carrier of VOCs that add to odour and health problems
- Reduce heat loss resulting in lower operating costs

- Insulation for liquid surface in a heated crude oil tank lowers operating costs for CHOPS facilities and central processing batteries
- Reduce offensive and carcinogenic BTEX odours
- Reduce tank head space corrosion by lower levels of humidity above the liquid level
- Reduce or possibly eliminate expensive defoaming chemicals
- Reduce energy needed to reach optimum process temperatures
- Reduce the amount of water vapour generated as steam. Steam causes icing of the thief hatch and the transport of other odours from the tank

## Design

- Chemically compatible with heavy oil components up to temperatures of 100 °C including Thermal Produced Oil and Diluted Bitumen and Diluents
- Resistant to weight gain
- Polymer is classified as static dissipative with a surface resistivity value of  $3.7 \times 10^9 \Omega \text{ sq}''$  ASTM Test method D257
- Resistant to thermal shock. Tested at -40 °C to +100 °C for sudden rapid temperature exposure
- Can be installed while existing tanks are in operation, minimizing facility downtime



Picture:

Hexa-Cover® API deployed in a steel mill facility controlling odor and emission

## Other Oil & Gas Applications for Hexa-Cover® Products

- Hydrocarbon contaminated wastewater basins
- Conventional Crude Oil and emulsion storage
- Frac Oil and Frac water storage
- Gasoline, Diesel and other Refined Products
- Thermal Heavy Oil
- SAGD Dilbit Sales Tanks
- Sour Sand Slurry Tanks
- Process Water Ponds
- Purified Tailings Ponds
- API Separator
- Boil Feed Water