Figure 15
DOWNGRADIENT SURFACE SOIL SAMPLING LOCATIONS
North Pole Refinery
Flint Hills Resources Alaska, LLC
Figure 16
LNAPL MONITORING NETWORK
North Pole Refinery
Flint Hills Resources Alaska, LLC
Figure 17
GROUNDWATER REMEDIATION
SYSTEM LAYOUT
North Pole Refinery
Flint Hills Resources Alaska, LLC

- Observation Well
- Recovery Well
- Installed Product Recovery System
- Remediation System Piping
Figure 18
DNAPL ASSESSMENT WELLS
North Pole Refinery
Flint Hills Resources Alaska, LLC
OTHER COPCs IN GROUNDWATER SAMPLING LOCATIONS
North Pole Refinery
Flint Hills Resources Alaska, LLC
Figure 24
MNA MONITORING NETWORK
North Pole Refinery
Flint Hills Resources Alaska, LLC
Figure 25
MICROBIOLOGICAL CHARACTERIZATION
MONITORING WELL NETWORK
North Pole Refinery
Flint Hills Resources Alaska, LLC

Biotrap Sampler Installation
Well - Phase 1
Proposed Biotrap Sampler Installation Well - Phase 2
Sulfolane Isopleth in µg/L from 4th Quarter 2011
(Dashed Where Approximate)
FHRA Property Boundary
Figure 26
STABLE ISOTOPE INVESTIGATION
MONITORING WELL NETWORK
North Pole Refinery
Flint Hills Resources Alaska, LLC
Figure 27
GEOCHEMICAL EVALUATION OF PRIVATE WELL RESULTS
North Pole Refinery
Flint Hills Resources Alaska, LLC
Figure 29
PORE WATER SAMPLING LOCATIONS
North Pole Refinery
Flint Hills Resources Alaska, LLC
Figure 30
USTs, SEPTIC LEACH FIELDS, WASTE STORAGE AREAS
North Pole Refinery
Flint Hills Resources Alaska, LLC

- UST
- Domestic Wastewater Leach Field
- Temporary Waste Storage Area
- FHRA Property Boundary

Note: Additional domestic wastewater leach fields are present at the Firehouse and Construction Office (abandoned).
Figure 31
ADEC CONTAMINATED SITES IN THE AREA OF THE FHRA
North Pole Refinery
Flint Hills Resources Alaska, LLC
A CMT Wells, Multiple Screens
Monitoring Well 90 to 160 Feet Below the Water Table
Monitoring Well 10 to 55 Feet Below the Water Table
Recovery Well Within 10 Feet of the Water Table
Observation Well Within 10 Feet of the Water Table

Figure 32
CROSS-SECTION LOCATIONS
North Pole Refinery
Flint Hills Resources Alaska, LLC