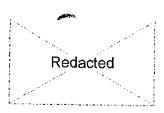
EXHIBIT F

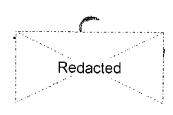
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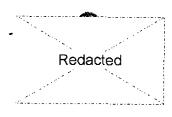


JI Objective	Sampling Activities	Sample Nos. (see map)	Sample Media	Analyte
PRODUCTION STATIONS				
Crude Oil: Evaluate crude oil composition.	Collect a crude oil sample at meter station or other appropriate location	JI-SA- NORTE1-Oil	Oil	Newfields Fingerprint Collect a Metals Sample if the Station or Oil Field has not Been Previously Analyzed and Included in Newfields Appendix Optional: Oil Biodeg Study
2) Produced Water: Evaluate produced water	Collect produced water sample at wash tank or other accessible location Optional: If active discharge is observed, analyze PW for major anions and cations so that salinity can be tracked in downstream SW samples (see below)	JI-SA- Produced NORTE1-PW Water	Analyze for PAHs (Newfields), metals (see Table 2 list), TDS,	
Effluent from water treatment is used in water flood.				chlorides, pH (field), specific cond. (field) Optional: Major Anions and Cations, if active discharge observed Optional: Oil Biodeg Study
3) Perimeter Sampling: Define clean line around site to show no widespread impacts. Locations for perimeter sampling should be chosen to emphasize clean points around pits when possible.	Collect soil samples at 4 or more locations surrounding the site, using locations that the PI team has shown to be clean (vertically composite a soil sample from each location)	JI-SA- NORTE1-SB1 JI- SA- NORTE1-SB3 JI- SA- NORTE1-SB4 JI- SA- NORTE1-SB5 JI- SA- NORTE1-SB6 JI- SA- NORTE1-SB6 JI- SA- NORTE1-SB7 JI- SA-	Soil	Standard Soil (see Table 2) Note: Clean soil samples are analyzed for PAHs at STL w/ a split sent to Newfields to hold. Samples showing field evidence of contamination are sent to Newfields for PAH analysis and fingerprinting (no STL PAH analysis).





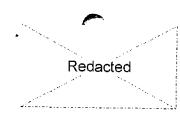
JI Objective	Sampling Activities	Sample Nos. (see map)	Sample Media	Analyte
PRQDUCTION STATIONS (cont'd)				The state of the s
3) Perimeter Sampling (cont'd): Define clean line around site to show no widespread impacts.	At each perimeter soil sampling location install temporary piezometer and collect groundwater sample (if groundwater present)	Optional: JI-SA- NORTE1- TGW1 through TGW8	Groundwater	Standard GW (see Table 2) If limited GW volume prioritize as: a) BTEX b) PAHs c) metals d) TDS/chorides/acidity/alkalinity e) TPH GRO f) TPH DRO
4) Drinking Water: Demonstrate drinking water sources are not impacted with unsafe levels of petroleum-related hydrocarbons but with unsafe levels of coliforms. Most resident have access to station-supplied water but rely on other sources (primarily wells and springs) for drinking water.	Collect a drinking water sample from any water well, cistern, stream, or other source of drinking water identified as a primary or secondary source of drinking water. Collect a representative sample of the station-supplied water (JI-SA-NORTE1-DW1).	JI-SA- NORTE1- DW1 JI-SA- NORTE1- SW4 JI-SA- NORTE1- GW1 through GW10	Drinking Water	Standard Drinking Water (see Table 2)







JI Objective	Sampling Activities	Sample Nos. (see map)	Sample Media	Analyte
PRODUCTION STATIONS (cont'd)				
5) Surface Water: Demonstrate no wide-spread impacts to surface water bodies. Major receiving stream is located on N side of the station. Upstream impacts in sediments from recent spill are evident. Additional drainage channel from treatment plant is located on W side of facility.	Collect surface water samples at appropriate locations identified during the PI. Upstream and downstream locations on receiving stream, as well as spring located N of discharge to represent groundwater conditions near station (JI-SA-NORTE1-SW5).	JI-SA- NORTE1- SW5 JI-SA- NORTE1- SW6 JI-SA- NORTE1- SW7	Surface Water	Standard Surface Water (see Table 2)
	Optional: Collect bacterial sheen sample if needed to show that no oil sheen is present		Sheen	Organic Fingerprint
	Optional: Analyze samples downstream of observed active discharge to track discharge salinity versus natural salinity		Surface Water	Major Anions and Cations (see Table 2 SW <i>Optional</i>)
6) Crop Impacts: Demonstrate no crop/vegetative impacts (if complaint made) related to production station.	Site-specific. If damage alleged, conduct surface soil sampling. Also, can use an agricultural expert to address site-specific complaints.		Soil	Standard Soil (see Table 2) Agronomic parameters would be specified by the agricultural expert





JI Objective	Sampling Activities	Sample Nos. (see map)	Sample Media	Analyte
PRODUCTION STATIONS (cont'd)				
7) Sampling to be Conducted Contingent Upon Plaintiffs Sampling:	NFA Pits, Change of Condition Pits, Non-RAP Pits, Spill Areas, or Other Potential Areas of Concern:		Soil	Standard Soil Standard Groundwater (at perimeter locations only, if present)
There are at least 4 pre-1990 pits located: i) north of the flare (closed), ii) south of the flare (closed), iii) SE portion of the facility (closed), and iv) NE of the surge tank (open vent pit). All are easily identifiable on aerial photos. Sample from within the closed pits and clean perimeter points are available from PI. Sampling during JI should only occur if plaintiffs initiate sampling. There is 1 post-1990 pit that was constructed E of the flares (closed). Sampling during JI should only occur if plaintiffs initiate sampling.	 Collect a representative sample from within the pit, spill area, or other potential area of concern, if plaintiffs sample is not a representative sample of pit/area conditions, do not take a split of the sample but collect an independent representative sample Collect a surface sample to access soil cover and exposure potential, if app. Conduct perimeter sampling of pit (or pit area if pits clustered together), spill area, or other potential area of concern to access potential constituent migration. This includes: a) surface soil sample (0-30 cm); b) subsurface vertical composite (>30 cm); and c) a groundwater sample, if encountered. 			(See Table 2) Soil sample selection for Newfields analysis and groundwater analysis prioritization is presented above
Area NW of station still visibly impacted by August 2005 spill and may be included as part of plaintiffs' sampling during JI.	Sediments: 1) Collect a representative SED sample 2) Collect surface water sample at the same location, if not already sampled as part of the original JI plan, be sure collect SW sample first or upstream of sediment sampling location 3) Define the extent of affected sediment by additional sediment and SW sampling, as needed		Sediment and SW	Standard Sediment and Surface Water (<i>based on media sampled</i>) (see Table 2)