

## **OIL SPILL RESPIRATORY PROTECTION**

Respiratory protection requirements, compliant with 29 CFR 1910.134, must be included in the Site Specific Health and Safety Plan for oil spills/releases (See SOG #: P103).

This plan outlines the air monitoring for the Moon-Hines-Tigrett oil spill in Eucutta, MS and is being conducted by the USCG-GST for the USEPA OSC.

Air quality readings for Oxygen (O<sub>2</sub>), Hydrogen Sulfide (H<sub>2</sub>S), LEL, VOC and Benzene are being monitored both upwind and downwind of the excavated area. The following action levels and actions have been set for the above listed constituents:

O<sub>2</sub>: < 19.5%; stop work, evacuate area

H<sub>2</sub>S: 1 ppm for 15 minutes; stop work, evacuate area

15 ppm at anytime; stop work, evacuate area

LEL: 5 ppm for 15 min; stop work, evacuate area

Benzene/VOC:

0.5 - 1.0 PPM; recommend that workers don a respirator.

1 PPM for 4 hours; don a respirator for the remaining of the shift/work.

2 PPM for 2 hours; don a respirator for the remaining of the shift/work.

3 PPM for 1.5 hours; don a respirator for the remaining of the shift/work.

4 PPM for 1 hour; don a respirator for the remaining of the shift/work.

Exceed 5 PPM at any one time during the shift; don a respirator for the remaining of the shift/work.

# GST Site Air Monitoring Log

## Moon-Hine Flowline Spill

NSF# 011-14

Date: 10JAN14 - 20JAN14



Date	Time	Location	CO	VOC	H2S	LEL	O2	Taken By
01/10/14	1233	N. 31.75269 W. 88.85212	1	0	0	0	21.3	MultiRae
01/10/14	1236	N.31.75332 W. 88.85176	1	1.4	0	0	20.9	MultiRae
01/10/14	1245	N.31.75368 W. 88.85130	0	0.1	0	0	20.9	MultiRae
01/10/14	1255	N.31.75503 W. 88.85100	0	0	0	0	20.9	MultiRae
01/10/14	1305	N.31.75546 W. 88.85061	0	0.1	0	0	20.9	MultiRae
01/10/14	1310	N.31.75605 W. 88.85065	0	0.3	0	0	20.9	MultiRae
01/10/14	1335	N.31.75733 W. 88.85105	0	0.1	0	0	20.9	MultiRae
01/11/14	0934	N.31.75332 W. 88.85176	1	0.1	0	0	20.9	MultiRae
01/11/14	0956	N.31.75368 W. 88.85130	0	0.1	0	0	20.9	MultiRae
01/11/14	1008	N.31.75503 W. 88.85100	0	0.8	0	0	20.9	MultiRae
01/11/14	1018	N.31.75605 W. 88.85065	0	2.5	0	0	20.9	MultiRae
01/11/14	1049	N.31.75733 W. 88.85105	0	0.1	0	3	20.9	MultiRae
01/11/14	1105	N.31.75831 W. 88.85143	0	0.2	0	4	20.9	MultiRae
01/11/14	1127	"Could not aquire signal"	0	0	0	4	20.9	MultiRae
01/12/14	1211	N.31.75930 W. 88.85204	3	0	0	0	21.4	MultiRae
01/12/14	1222	N.31.75930 W. 88.85196	3	0.1	0	0	21.5	MultiRae
01/12/14	1312	N.31.75617 W. 88.85052	1	0.2	0	0	21.4	MultiRae
01/12/14	1315	N.31.75613 W. 88.85040	1	4.4	0	0	21.4	MultiRae
01/12/14	1318	N.31.75588 W. 88.85059	1	6.4	0	0	21.3	MultiRae
01/12/14	1322	N.31.75525 W. 88.85075	1	1.3	0	0	21.5	MultiRae
01/12/14	1324	N.31.75509 W. 88.85052	1	0.3	0	0	21.4	MultiRae
01/13/14		No air monitoring due to rain						
01/14/14	1205	N.31.775566 W.88.85062	2	0.9	0	0	20.9	MultiRae
01/14/14	1213	N.31.75655 W.88.85076	2	0.4	0	0	20.9	MultiRae
01/14/14	1218	N.31.75718 W.88.85103	2	0.4	0	0	20.9	MultiRae
01/14/14	1238	N.31.75902 W.88.85188	3	0	0	0	20.9	MultiRae
01/14/14	1317	N.31.75608 W.88.85078	2	0.2	0	0	20.9	MultiRae
01/14/14	1320	N.31.75597 W.88.85052	3	0.5	0	0	20.9	MultiRae
01/15/14	1204	N.31.75516 W.88.85097	1	0.7	0	0	20.9	MultiRae
01/15/14	1212	N.31.7553 W.88.85061	0	0.5	0	0	20.9	MultiRae

01/15/14	1217	N.31.75587 W.88.85102	0	0.2	0	0	20.9	MultiRae
01/15/14	1222	N.31.75597 W.88.85058	0	0.2	0	0	20.9	MultiRae
01/15/14	1241	N.31.75686 W.88.85114	0	0.8	0	0	20.9	MultiRae
01/15/14	1318	N.31.75616 W.88.85239	0	0.1	0	0	20.9	MultiRae
01/15/14	1340	N.3176095 W.88.85332	0	0.1	0	0	20.9	MultiRae
01/16/14	1021	At dig site (upwind)	0	0	0	0	21.4	MultiRae
01/16/14	1100	At dig site (upwind)	0	0	0	0	21.3	MultiRae
01/16/14	1200	At dig site (upwind)	0	0	0	0	21.3	MultiRae
01/16/14	1045	At dig site (downwind)	0	0.1	0	0	20.9	MultiRae
01/16/14	1117	At dig site (downwind)	0	0	0	0	21.1	MultiRae
01/16/14	1330	At dig site (downwind)	0	0	0	0	20.9	MultiRae
01/16/14	1400	At dig site (downwind)	0	0.1	0	0	20.9	MultiRae
01/16/14	1430	At dig site (downwind)	0	0.2	0	0	20.9	MultiRae
01/16/14	1500	At dig site (downwind)	0	0.1	0	0	20.9	MultiRae
01/16/14	1530	At dig site (downwind)	0	0	0	0	20.9	MultiRae
01/17/14	8 hr TWA	At dig site (downwind)		0	0	0	20.7	AreaRae
01/17/14	8 hr TWA	At dig site (upwind)		0	0	0	21.3	AreaRae
01/18/14	8 hr TWA	At dig site (downwind)		0	0	0	20.9	AreaRae
01/18/14	8 hr TWA	At dig site (upwind)		0	0	0	21	AreaRae
01/19/14		No air monitoring due to rain						
01/20/14	8 hr TWA	At dig site (downwind)		0.1	0	0	21	AreaRae