



From: Moreno, Carlos J  
Sent: Thu Apr 29 20:37:28 2010  
To: Ward, Donna B  
Subject: REDACTED  
Importance: Normal  
Attachments: FW: 4/27/10 IH Monitoring Data-OI3 and Scandi; FW: 4/27/10 IH Monitoring Data-OI3 and Scandi

<<...>> <<...>>



**From:** Moreno, Carlos J  
**Sent:** Thu Apr 29 20:32:39 2010  
**To:** Ward, Donna B  
**Subject:** FW: 4/27/10 IH Monitoring Data-OI3 and Scandi  
**Importance:** Normal  
**Attachments:** MC252AirMonitoringSummary42810 at 1700 hrs.doc

Privileged, Redacted

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**From:** Moreno, Carlos J  
**Sent:** Wednesday, April 28, 2010 5:23 PM  
**To:** Gerard, Faye  
**Subject:** FW: 4/27/10 IH Monitoring Data-OI3 and Scandi

**From:** Alvin Chapman [mailto:chapmana@rpsgroup.com]  
**Sent:** Wednesday, April 28, 2010 4:37 PM  
**To:** Burt, Stanley C; Murray, Kate A; Metzler, Cheryl A; Mouton, Keith; Rosamond, Kenneth P; Thibodeaux, James R; Sanchez, Martin D.; Rayburn, Dean M; Smolen, Brad C; Benton, Keith; Tink, Steve  
**Cc:** Gallucci, Joe M; Moreno, Carlos J  
**Subject:** RE: 4/27/10 IH Monitoring Data-OI3 and Scandi

Please see attached IH monitoring for OI3, Scandi, MSRC Vessels and NRC Vessels. Results exceeding the Action Levels are highlighted in yellow. The main area of concern was from the MSRC Louisiana Responder. The vessel evacuated the area until acceptable levels were reached. Once levels dropped the vessel resumed skimming.

Alvin Chapman  
IH Team Lead

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**From:** Burt, Stanley C [mailto:Stanley.Burt@bp.com]  
**Sent:** Wed 4/28/2010 7:41 AM  
**To:** Alvin Chapman; Murray, Kate A; Metzler, Cheryl A; Mouton, Keith; Rosamond, Kenneth P; Thibodeaux, James R; Sanchez, Martin D.; Rayburn, Dean M; Smolen, Brad C; Benton, Keith; Tink, Steve  
**Cc:** Burt, Stanley C; Gallucci, Joe M  
**Subject:** FW: 4/27/10 IH Monitoring Data-OI3 and Scandi

Please see attached IH monitoring data for the OI3 and Scandi vessels being used for ROV operations. All results are less than detectable limits for each of the constituents of concern (benzene, VOC's, CO, H2S, and % LEL).

**Stan Burt**  
**BP Projects HSSE Advisor**  
**Westlake 1.134C**  
**281-366-3769 (O)**  
**281-381-8128 (C)**

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**From:** Gallucci, Joe M  
**Sent:** Wednesday, April 28, 2010 1:23 AM  
**To:** Burt, Stanley C  
**Subject:** FW: 4/27/10 IH Monitoring Data-OI3 and Scandi  
Great Job! Approved.  
Joe Gallucci, CIH,CSP  
Health/Industrial Hygiene Team Leader-GoM  
200 WestLake Park Blvd. 492B  
Houston, TX 77079  
Phone:(281) 366-2016  
Fax: (281) 366- 7078  
Cell: (713) 302-8617  
IH Portal Link:  
<http://gom.bpweb.bp.com/operationsandhsse/hsse/industrialhygiene/Pages/IndustrialHygiene.aspx>  
*"A healthy performance is achieved through healthy people, in healthy plant,  
implementing healthy processes that promote healthy decisions"* Richard Heron- BP VP  
Health

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**From:** Burt, Stanley C  
**Sent:** Wednesday, April 28, 2010 12:16 AM  
**To:** Gallucci, Joe M; Burt, Stanley C  
**Subject:** 4/27/10 IH Monitoring Data-OI3 and Scandi  
<<MC252AirMonitoringLog42710 Scandi.docx>> <<MC252AirMonitoringLog 04272010 OI3.doc>> <<Copy  
of Direct Reading-Benzene Readings OI3 04272010.XLS>>  
<<DIRECT%20READING%20MONITORS(1)42710Scandi.xlsx>>  
**Stan Burt**  
**BP Projects HSSE Advisor**  
**Westlake 1.134C**  
**281-366-3769 (O)**  
**281-381-8128 (C)**

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RPS Group Plc web link: <http://www.rpsgroup.com>



# ATTACHMENT B

CG ICS SSP: Exposure Monitoring Plan		1. Incident Name MC252	2. Date/Time Prepared: 4/28/10	3. Operational Period: 0600 - 0600	4. Safety Officer (Method of Contact): Call Houma TCP 985-493-7812
5. Specific Task/Operation	6. Survey Location	7. Survey Date/Time	8. Monitoring Methodology	9. Direct-Reading Instrument	10. Air Sampling
Source Control ROV Loading/ Offloading	Lat. 28 44.4 Long. 08821.9/ Deck Area	23:00- 08:00	<input type="checkbox"/> Personal Breathing Zone <input checked="" type="checkbox"/> Area Air Monitoring <input type="checkbox"/> Dermal Exposure Monitoring <input type="checkbox"/> Biological Monitoring: <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Other <input type="checkbox"/> Obtain bulk samples <input type="checkbox"/> Other:	Model: Sirius Multigas Detector Manufacturer: MSA Last Mfr Calibration Date:	Sampling/Analysis Method: N/A - Direct Reading Collecting Media: <input type="checkbox"/> Charcoal Tube <input type="checkbox"/> Silica Gel <input type="checkbox"/> 37 mm MCE Filter <input type="checkbox"/> 37 mm PVC Filter <input type="checkbox"/> Other:
Source Control ROV Loading/ Offloading	Lat. 28 44.4 Long. 08821.9/ Deck Area	23:00- 08:00	<input type="checkbox"/> Personal Breathing Zone <input checked="" type="checkbox"/> Area Air Monitoring <input type="checkbox"/> Dermal Exposure Monitoring <input type="checkbox"/> Biological Monitoring: <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Other <input type="checkbox"/> Obtain bulk samples <input type="checkbox"/> Other:	Model: UltraRae Manufacturer: Rae Systems Last Mfr Calibration Date:	Sampling/Analysis Method: N/A - Direct Reading Collecting Media: <input type="checkbox"/> Charcoal Tube <input type="checkbox"/> Silica Gel <input type="checkbox"/> 37 mm MCE Filter <input type="checkbox"/> 37 mm PVC Filter <input type="checkbox"/> Other:
			<input checked="" type="checkbox"/> Personal Breathing Zone <input type="checkbox"/> Area Air Monitoring <input type="checkbox"/> Dermal Exposure Monitoring <input type="checkbox"/> Biological Monitoring: <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Other <input type="checkbox"/> Obtain bulk samples <input type="checkbox"/> Other:	Model: N/A Manufacturer: Last Mfr Calibration Date:	Sampling/Analysis Method: GC Modified OSHA 07 Collecting Media: <input type="checkbox"/> Charcoal Tube <input type="checkbox"/> Silica Gel <input type="checkbox"/> 37 mm MCE Filter <input type="checkbox"/> 37 mm PVC Filter <input checked="" type="checkbox"/> Other: 3M 3500 Organic Vapor Monitors
15. Prepared By: Alvin Chapman			16. Date/Time Briefed:		
18. Safety Officer Review:			HAZARD LIST: Potential Health Effects: Bruise/Lacerations, Organ Damage, Central Nervous System Effects, Cancer, Reproductive Damage, Low Back Pain, Temporary Hearing Loss, Dermatitis, Respiratory Effects, Bone Breaks, & Eye Burning Reporting: Monitoring results shall be logged in the ICS-208-CG SSP-E-1 form (Air Monitoring Log) and attached as part of a current Site Safety Plan and Incident Action Plan. Significant Exposures shall be immediately addressed to the IC and General Staff for immediate correction.		
			13. Reasons to Monitor <input type="checkbox"/> Regulatory Compliance <input checked="" type="checkbox"/> Assess current PPE adequacy <input type="checkbox"/> Validate engineering controls <input type="checkbox"/> Monitor IDLH Conditions <input type="checkbox"/> Other:		
			12. Monitoring Duration On-going throughout shift		
			11. Hazard(s) to Monitor LEL, O2, H2S, CO, VOC		
			14. Laboratory Support for Analysis N/A		
			14. Laboratory Support for Analysis Bureau Veritas 22345 Rochel Drive Novi, MI 48375		

# ATTACHMENT B

CGICS SSP: AIR MONITORING LOG	1. Incident Name MC252	2. Date/Time Prepared	3. Operational Period	4. Safety Officer (include method of contact) Call Houma TCP 985-493-7812
5. Site Location OI-3	6. Hazards of Concern Benzene Volatile Organic Compounds VOC Hydrogen Sulfide - H2S Lower Explosive Limit - LEL Carbon Monoxide - CO	7. Action Levels (include references): 0.5 ppm 50 ppm 5 ppm 10% 15 ppm	8. Weather: Temperature: Wind: Precipitation: Relative Humidity: Cloud Cover:	9. f. Time
9. a. Instrument, ID Number Calibrated? Indicate below.	9. b. Monitoring Person Name(s)	9. c. Results (units)	9. d. Location	9. g. Interferences and Comments
542550	Chad Comeaux	0% LEL	Lat. 28 44.4 Long. 08821.9	Deck Area
542550	Chad Comeaux	0 ppm VOC	Lat. 28 44.4 Long. 08821.9	Deck Area
542550	Chad Comeaux	0 ppm H2S	Lat. 28 44.4 Long. 08821.9	Deck Area
542550	Chad Comeaux	0 ppm CO	Lat. 28 44.4 Long. 08821.9	Deck Area
542550	Chad Comeaux	20.8 O2	Lat. 28 44.4 Long. 08821.9	Deck Area
580392	Chad Comeaux	0 ppm Benzene	Lat. 28 44.4 Long. 08821.9	Deck Area
542550	Chad Comeaux	0% LEL	Lat. 28 44.4 Long. 08821.9	Deck Area
542550	Chad Comeaux	0 ppm VOC	Lat. 28 44.4 Long. 08821.9	Deck Area
542550	Chad Comeaux	0 ppm H2S	Lat. 28 44.4 Long. 08821.9	Deck Area
542550	Chad Comeaux	0 ppm CO	Lat. 28 44.4 Long. 08821.9	Deck Area
542550	Chad Comeaux	20.8% O2	Lat. 28 44.4 Long. 08821.9	Deck Area
580392	Chad Comeaux	0 ppm Benzene	Lat. 28 44.4 Long. 08821.9	Deck Area
542550	Chad Comeaux	0% LEL	Lat. 28 44.4 Long. 08821.9	Deck Area
542550	Chad Comeaux	8 ppm VOC	Lat. 28 44.4 Long. 08821.9	Deck Area
542550	Chad Comeaux	0 ppm H2S	Lat. 28 44.4 Long. 08821.9	Deck Area
542550	Chad Comeaux	0 ppm CO	Lat. 28 44.4 Long. 08821.9	Deck Area



**ATTACHMENT B**

542550	Chad Comeaux	20.8% O2	Lat. 28 44.4 Long. 08821.9	01:00	Deck Area
580392	Chad Comeaux	0 ppm Benzene	Lat. 28 44.4 Long. 08821.9	01:00	Deck Area
542550	Chad Comeaux	0% LEL	Lat. 28 44.4 Long. 08821.9	01:30	Deck Area
542550	Chad Comeaux	11 ppm VOC	Lat. 28 44.4 Long. 08821.9	01:30	Deck Area
542550	Chad Comeaux	0 ppm H2S	Lat. 28 44.4 Long. 08821.9	01:30	Deck Area
542550	Chad Comeaux	0 ppm CO	Lat. 28 44.4 Long. 08821.9	01:30	Deck Area
542550	Chad Comeaux	20.8 O2	Lat. 28 44.4 Long. 08821.9	01:30	Deck Area
580392	Chad Comeaux	0 ppm Benzene	Lat. 28 44.4 Long. 08821.9	01:30	Deck Area
542550	Chad Comeaux	0% LEL	Lat. 28 44.4 Long. 08821.9	02:00	Deck Area
542550	Chad Comeaux	20 ppm VOC	Lat. 28 44.4 Long. 08821.9	02:00	Deck Area
542550	Chad Comeaux	0 ppm H2S	Lat. 28 44.4 Long. 08821.9	02:00	Deck Area
542550	Chad Comeaux	0 ppm CO	Lat. 28 44.4 Long. 08821.9	02:00	Deck Area
542550	Chad Comeaux	20.8 O2	Lat. 28 44.4 Long. 08821.9	02:00	Deck Area
580392	Chad Comeaux	0 ppm Benzene	Lat. 28 44.4 Long. 08821.9	02:00	Deck Area
542550	Chad Comeaux	0% LEL	Lat. 28 44.4 Long. 08821.9	03:00	Deck Area
542550	Chad Comeaux	48 ppm VOC	Lat. 28 44.4 Long. 08821.9	03:00	Deck Area
542550	Chad Comeaux	0 ppm H2S	Lat. 28 44.4 Long. 08821.9	03:00	Deck Area
542550	Chad Comeaux	0 ppm CO	Lat. 28 44.4 Long. 08821.9	03:00	Deck Area
542550	Chad Comeaux	20.8 O2	Lat. 28 44.4 Long. 08821.9	03:00	Deck Area

# ATTACHMENT B

580392	Chad Comeaux	0 ppm Benzene	Lat. 28 44.4 Long. 08821.9	03:00	Deck Area
542550	Chad Comeaux	0% LEL	Lat. 28 44.4 Long. 08821.9	04:00	Deck Area
542550	Chad Comeaux	63 ppm VOC	Lat. 28 44.4 Long. 08821.9	04:00	Deck Area
542550	Chad Comeaux	0 ppm H2S	Lat. 28 44.4 Long. 08821.9	04:00	Deck Area
542550	Chad Comeaux	0 ppm CO	Lat. 28 44.4 Long. 08821.9	04:00	Deck Area
542550	Chad Comeaux	20.8 O2	Lat. 28 44.4 Long. 08821.9	04:00	Deck Area
580392	Chad Comeaux	0 ppm Benzene	Lat. 28 44.4 Long. 08821.9	04:00	Deck Area
542550	Chad Comeaux	0% LEL	Lat. 28 44.4 Long. 08821.9	05:00	Deck Area
542550	Chad Comeaux	0 ppm VOC	Lat. 28 44.4 Long. 08821.9	05:00	Deck Area
542550	Chad Comeaux	0 ppm H2S	Lat. 28 44.4 Long. 08821.9	05:00	Deck Area
542550	Chad Comeaux	0 ppm CO	Lat. 28 44.4 Long. 08821.9	05:00	Deck Area
542550	Chad Comeaux	20.8 O2	Lat. 28 44.4 Long. 08821.9	05:00	Deck Area
580392	Chad Comeaux	0 ppm Benzene	Lat. 28 44.4 Long. 08821.9	05:00	Deck Area
542550	Chad Comeaux	0% LEL	Lat. 28 44.4 Long. 08821.9	06:00	Deck Area
542550	Chad Comeaux	0 ppm VOC	Lat. 28 44.4 Long. 08821.9	06:00	Deck Area
542550	Chad Comeaux	0 ppm H2S	Lat. 28 44.4 Long. 08821.9	06:00	Deck Area
542550	Chad Comeaux	0 ppm CO	Lat. 28 44.4 Long. 08821.9	06:00	Deck Area
542550	Chad Comeaux	20.8 O2	Lat. 28 44.4 Long. 08821.9	06:00	Deck Area
580392	Chad Comeaux	0.7 ppm Benzene	Lat. 28 44.4 Long. 08821.9	06:00	Deck Area

**ATTACHMENT B**

542550	Chad Comeaux	0% LEL	Lat. 28 44.4 Long. 08821.9	07:00	Deck Area
542550	Chad Comeaux	0 ppm VOC	Lat. 28 44.4 Long. 08821.9	07:00	Deck Area
542550	Chad Comeaux	0 ppm H2S	Lat. 28 44.4 Long. 08821.9	07:00	Deck Area
542550	Chad Comeaux	0 ppm CO	Lat. 28 44.4 Long. 08821.9	07:00	Deck Area
542550	Chad Comeaux	20.8 O2	Lat. 28 44.4 Long. 08821.9	07:00	Deck Area
580392	Chad Comeaux	0 ppm Benzene	Lat. 28 44.4 Long. 08821.9	07:00	Deck Area
542550	Chad Comeaux	0% LEL	Lat. 28 44.4 Long. 08821.9	08:00	Deck Area
542550	Chad Comeaux	0 ppm VOC	Lat. 28 44.4 Long. 08821.9	08:00	Deck Area
542550	Chad Comeaux	0 ppm H2S	Lat. 28 44.4 Long. 08821.9	08:00	Deck Area
542550	Chad Comeaux	0 ppm CO	Lat. 28 44.4 Long. 08821.9	08:00	Deck Area
542550	Chad Comeaux	20.8 O2	Lat. 28 44.4 Long. 08821.9	08:00	Deck Area
580392	Chad Comeaux	0 ppm Benzene	Lat. 28 44.4 Long. 08821.9	08:00	Deck Area
542550	Chad Comeaux	0% LEL	Lat. 28 44.4 Long. 08821.9	09:00	Deck Area
542550	Chad Comeaux	0 ppm VOC	Lat. 28 44.4 Long. 08821.9	09:00	Deck Area
542550	Chad Comeaux	0 ppm H2S	Lat. 28 44.4 Long. 08821.9	09:00	Deck Area
542550	Chad Comeaux	0 ppm CO	Lat. 28 44.4 Long. 08821.9	09:00	Deck Area
542550	Chad Comeaux	20.8 O2	Lat. 28 44.4 Long. 08821.9	09:00	Deck Area
580392	Chad Comeaux	0 ppm Benzene	Lat. 28 44.4 Long. 08821.9	09:00	Deck Area
542550	Chad Comeaux	0% LEL	Lat. 28 44.4 Long. 08821.9	10:00	Deck Area

**ATTACHMENT B**

542550	Chad Comeaux	0 ppm VOC	Lat. 28 44.4 Long. 08821.9	10:00	Deck Area
542550	Chad Comeaux	0 ppm H2S	Lat. 28 44.4 Long. 08821.9	10:00	Deck Area
542550	Chad Comeaux	0 ppm CO	Lat. 28 44.4 Long. 08821.9	10:00	Deck Area
542550	Chad Comeaux	20.8 O2	Lat. 28 44.4 Long. 08821.9	10:00	Deck Area
580392	Chad Comeaux	0 ppm Benzene	Lat. 28 44.4 Long. 08821.9	10:00	Deck Area
542550	Chad Comeaux	0% LEL	Lat. 28 44.3 Long. 08821.9	11:00	Deck Area
542550	Chad Comeaux	0 ppm VOC	Lat. 28 44.3 Long. 08821.9	11:00	Deck Area
542550	Chad Comeaux	0 ppm H2S	Lat. 28 44.3 Long. 08821.9	11:00	Deck Area
542550	Chad Comeaux	0 ppm CO	Lat. 28 44.3 Long. 08821.9	11:00	Deck Area
542550	Chad Comeaux	20.8 O2	Lat. 28 44.3 Long. 08821.9	11:00	Deck Area
580392	Chad Comeaux	0 ppm Benzene	Lat. 28 44.3 Long. 08821.9	11:00	Deck Area
542550	Chad Comeaux	0% LEL	Lat. 28 44.3 Long. 08821.9	12:00	Deck Area
542550	Chad Comeaux	0 ppm VOC	Lat. 28 44.3 Long. 08821.9	12:00	Deck Area
542550	Chad Comeaux	0 ppm H2S	Lat. 28 44.3 Long. 08821.9	12:00	Deck Area
542550	Chad Comeaux	0 ppm CO	Lat. 28 44.3 Long. 08821.9	12:00	Deck Area
542550	Chad Comeaux	20.8 O2	Lat. 28 44.3 Long. 08821.9	12:00	Deck Area
580392	Chad Comeaux	0 ppm Benzene	Lat. 28 44.3 Long. 08821.9	12:00	Deck Area
602616	Jason landry	0% LEL	Lat. 28 44.3 Long 88 22.01	06:00	Back Deck Area
602616	Jason landry	0 ppm VOC	Lat. 28 44.3 Long 88 22.01	06:00	Back Deck Area

**CONFIDENTIAL**

**BP-HZN-2179MDL04918601**

BPD344-119033

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602616	Jason landry	0 ppm H2S	Lat. 28 44.3 Long 88 22.01	06:00	Back Deck Area
602616	Jason landry	0 ppm CO	Lat. 28 44.3 Long 88 22.01	06:00	Back Deck Area
602616	Jason landry	20.8 O2	Lat. 28 44.3 Long 88 22.01	06:00	Back Deck Area
58397	Jason landry	0 ppm Benzene	Lat. 28 44.3 Long 88 22.01	06:00	Back Deck Area
602616	Jason landry	0% LEL	Lat. 28 44.3 Long 88 22.01	07:00	Back Deck Area
602616	Jason landry	0 ppm VOC	Lat. 28 44.3 Long 88 22.01	07:00	Back Deck Area
602616	Jason landry	0 ppm H2S	Lat. 28 44.3 Long 88 22.01	07:00	Back Deck Area
602616	Jason landry	0 ppm CO	Lat. 28 44.3 Long 88 22.01	07:00	Back Deck Area
602616	Jason landry	20.8 O2	Lat. 28 44.3 Long 88 22.01	07:00	Back Deck Area
58397	Jason landry	0 ppm Benzene	Lat. 28 44.3 Long 88 22.01	07:00	Back Deck Area
602616	Jason landry	0% LEL	Lat. 28 44.3 Long 88 22.01	08:00	Back Deck Area
602616	Jason landry	0 ppm VOC	Lat. 28 44.3 Long 88 22.01	08:00	Back Deck Area
602616	Jason landry	0 ppm H2S	Lat. 28 44.3 Long 88 22.01	08:00	Back Deck Area
602616	Jason landry	0 ppm CO	Lat. 28 44.3 Long 88 22.01	08:00	Back Deck Area
602616	Jason landry	20.8 O2	Lat. 28 44.3 Long 88 22.01	08:00	Back Deck Area
58397	Jason landry	0 ppm Benzene	Lat. 28 44.3 Long 88 22.01	08:00	Back Deck Area
602616	Jason landry	0% LEL	Lat. 28 44.3 Long 88 22.01	09:00	Back Deck Area
602616	Jason landry	0 ppm VOC	Lat. 28 44.3 Long 88 22.01	09:00	Back Deck Area
602616	Jason landry	0 ppm H2S	Lat. 28 44.3 Long 88 22.01	09:00	Back Deck Area

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602616	Jason landry	0 ppm CO	Lat. 28 44.3 Long 88 22.01	09:00	Back Deck Area
602616	Jason landry	20.8 O2	Lat. 28 44.3 Long 88 22.01	09:00	Back Deck Area
58397	Jason landry	0 ppm Benzene	Lat. 28 44.3 Long 88 22.01	09:00	Back Deck Area
602616	Jason landry	0% LEL	Lat. 28 44.3 Long 88 22.01	10:00	Back Deck Area
602616	Jason landry	0 ppm VOC	Lat. 28 44.3 Long 88 22.01	10:00	Back Deck Area
602616	Jason landry	0 ppm H2S	Lat. 28 44.3 Long 88 22.01	10:00	Back Deck Area
602616	Jason landry	0 ppm CO	Lat. 28 44.3 Long 88 22.01	10:00	Back Deck Area
602616	Jason landry	20.8 O2	Lat. 28 44.3 Long 88 22.01	10:00	Back Deck Area
58397	Jason landry	0 ppm Benzene	Lat. 28 44.3 Long 88 22.01	10:00	Back Deck Area
602616	Jason landry	0% LEL	Lat. 28 44.3 Long 88 22.01	11:00	Back Deck Area
602616	Jason landry	0 ppm VOC	Lat. 28 44.3 Long 88 22.01	11:00	Back Deck Area
602616	Jason landry	0 ppm H2S	Lat. 28 44.3 Long 88 22.01	11:00	Back Deck Area
602616	Jason landry	0 ppm CO	Lat. 28 44.3 Long 88 22.01	11:00	Back Deck Area
602616	Jason landry	20.8 O2	Lat. 28 44.3 Long 88 22.01	11:00	Back Deck Area
58397	Jason landry	0 ppm Benzene	Lat. 28 44.3 Long 88 22.01	11:00	Back Deck Area
602616	Jason landry	0% LEL	Lat. 28 44.3 Long 88 22.01	12:00	Back Deck Area
602616	Jason landry	0 ppm VOC	Lat. 28 44.3 Long 88 22.01	12:00	Back Deck Area
602616	Jason landry	0 ppm H2S	Lat. 28 44.3 Long 88 22.01	12:00	Back Deck Area
602616	Jason landry	0 ppm CO	Lat. 28 44.3 Long 88 22.01	12:00	Back Deck Area

**ATTACHMENT B**

602616	Jason landry	20.8 O2	Lat. 28 44.3 Long 88 22.01	12:00	Back Deck Area
58397	Jason landry	0 ppm Benzene	Lat. 28 44.3 Long 88 22.01	12:00	Back Deck Area
602616	Jason landry	0% LEL	Lat. 28 44.3 Long 88 22.01	13:00	Back Deck Area
602616	Jason landry	0 ppm VOC	Lat. 28 44.3 Long 88 22.01	13:00	Back Deck Area
602616	Jason landry	0 ppm H2S	Lat. 28 44.3 Long 88 22.01	13:00	Back Deck Area
602616	Jason landry	0 ppm CO	Lat. 28 44.3 Long 88 22.01	13:00	Back Deck Area
602616	Jason landry	20.8 O2	Lat. 28 44.3 Long 88 22.01	13:00	Back Deck Area
58397	Jason landry	0 ppm Benzene	Lat. 28 44.3 Long 88 22.01	13:00	Back Deck Area
N/A	MSRC IH	0% LEL	28 45.15 N 88 41.47 W	13:00	Gulf Coast Responder
N/A	MSRC IH	0 ppm VOC	28 45.15 N 88 41.47 W	13:00	Gulf Coast Responder
N/A	MSRC IH	0 ppm H2S	28 45.15 N 88 41.47 W	13:00	Gulf Coast Responder
N/A	MSRC IH	0 ppm CO	28 45.15 N 88 41.47 W	13:00	Gulf Coast Responder
N/A	MSRC IH	20.8 O2	28 45.15 N 88 41.47 W	13:00	Gulf Coast Responder
N/A	MSRC IH	0 ppm Benzene	28 45.15 N 88 41.47 W	13:00	Gulf Coast Responder
N/A	MSRC IH	0% LEL	28 45.17 N 88 21.15 W	13:00	Texas Responder
N/A	MSRC IH	0 ppm VOC	28 45.17 N 88 21.15 W	13:00	Texas Responder
N/A	MSRC IH	0 ppm H2S	28 45.17 N 88 21.15 W	13:00	Texas Responder
N/A	MSRC IH	0 ppm CO	28 45.17 N 88 21.15 W	13:00	Texas Responder
N/A	MSRC IH	20.8 O2	28 45.17 N 88 21.15 W	13:00	Texas Responder

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N/A	MSRC IH		0 ppm Benzene	28 45.17 N 88 21.15 W	13:00	Texas Responder
N/A	MSRC IH		0% LEL	28 45.26 N 88 19.49 W	13:00	Louisiana Responder
N/A	MSRC IH		0 ppm VOC	28 45.26 N 88 19.49 W	13:00	Louisiana Responder
N/A	MSRC IH		0 ppm H2S	28 45.26 N 88 19.49 W	13:00	Louisiana Responder
N/A	MSRC IH		0 ppm CO	28 45.26 N 88 19.49 W	13:00	Louisiana Responder
N/A	MSRC IH		20.8 O2	28 45.26 N 88 19.49 W	13:00	Louisiana Responder
N/A	MSRC IH		0 ppm Benzene	28 45.26 N 88 19.49 W	13:00	Louisiana Responder
N/A			0% LEL	28 45.60 N 88 22.60 W	13:00	Mississippi Responder
N/A	MSRC IH		0 ppm VOC	28 45.60 N 88 22.60 W	13:00	Mississippi Responder
N/A	MSRC IH		0 ppm H2S	28 45.60 N 88 22.60 W	13:00	Mississippi Responder
N/A	MSRC IH		0 ppm CO	28 45.60 N 88 22.60 W	13:00	Mississippi Responder
N/A	MSRC IH		20.8 O2	28 45.60 N 88 22.60 W	13:00	Mississippi Responder
N/A	MSRC IH		0 ppm Benzene	28 45.60 N 88 22.60 W	13:00	Mississippi Responder
N/A	MSRC IH		0% LEL	29 38.69 N 87 43.15 W	13:00	Florida Responder
N/A	MSRC IH		0 ppm VOC	29 38.69 N 87 43.15 W	13:00	Florida Responder
N/A	MSRC IH		0 ppm H2S	29 38.69 N 87 43.15 W	13:00	Florida Responder
N/A	MSRC IH		0 ppm CO	29 38.69 N 87 43.15 W	13:00	Florida Responder
N/A	MSRC IH		20.8 O2	29 38.69 N 87 43.15 W	13:00	Florida Responder
N/A	MSRC IH		0 ppm Benzene	29 38.69 N 87 43.15 W	13:00	Florida Responder



**ATTACHMENT B**

N/A	MSRC IH	0% LEL	28 44.64 N 88 19.31 W	13:00	CJ Hoss Barge
N/A	MSRC IH	0 ppm VOC	28 44.64 N 88 19.31 W	13:00	CJ Hoss Barge
N/A	MSRC IH	0 ppm H2S	28 44.64 N 88 19.31 W	13:00	CJ Hoss Barge
N/A	MSRC IH	0 ppm CO	28 44.64 N 88 19.31 W	13:00	CJ Hoss Barge
N/A	MSRC IH	20.8 O2	28 44.64 N 88 19.31 W	13:00	CJ Hoss Barge
N/A	MSRC IH	0 ppm Benzene	28 44.64 N 88 19.31 W	13:00	CJ Hoss Barge
N/A	MSRC IH	0% LEL	28 48.20 N 88 19.70 W	13:00	Southern Responder
N/A	MSRC IH	0 ppm VOC	28 48.20 N 88 19.70 W	13:00	Southern Responder
N/A	MSRC IH	0 ppm H2S	28 48.20 N 88 19.70 W	13:00	Southern Responder
N/A	MSRC IH	0 ppm CO	28 48.20 N 88 19.70 W	13:00	Southern Responder
N/A	MSRC IH	20.8 O2	28 48.20 N 88 19.70 W	13:00	Southern Responder
N/A	MSRC IH	0 ppm Benzene	28 48.20 N 88 19.70 W	13:00	Southern Responder
N/A	NRC IH	0% LEL	28 45.908 N 88 39.349 W	13:00	NRC Energy
N/A	NRC IH	0ppm H2S	28 45.908 N 88 39.349 W	13:00	NRC Energy
N/A	NRC IH	0 CO	28 45.908 N 88 39.349 W	13:00	NRC Energy
N/A	NRC IH	20.8 O2	28 45.908 N 88 39.349 W	13:00	NRC Energy
N/A	NRC IH	0% LEL	28 45.908 N 88 39.349 W	13:00	NRC Admiral
N/A	NRC IH	0ppm H2S	28 45.908 N 88 39.349 W	13:00	NRC Admiral
N/A	NRC IH	0 CO	28 45.908 N 88 39.349 W	13:00	NRC Admiral

**ATTACHMENT B**

N/A	NRC IH	20.8 O2	28 45.908 N 88 39.349 W	13:00	NRC Admiral
N/A	NRC IH	0% LEL	28 45.908 N 88 39.349 W	13:00	NRC Lana Rose
N/A	NRC IH	0ppm H2S	28 45.908 N 88 39.349 W	13:00	NRC Lana Rose
N/A	NRC IH	0 CO	28 45.908 N 88 39.349 W	13:00	NRC Lana Rose
N/A	NRC IH	20.8 O2	28 45.908 N 88 39.349 W	13:00	NRC Lana Rose
N/A	NRC IH	0% LEL	28 45.908 N 88 39.349 W	13:00	NRC Defender
N/A	NRC IH	0ppm H2S	28 45.908 N 88 39.349 W	13:00	NRC Defender
N/A	NRC IH	0 CO	28 45.908 N 88 39.349 W	13:00	NRC Defender
N/A	NRC IH	20.8 O2	28 45.908 N 88 39.349 W	13:00	NRC Defender
N/A	MSRC IH	116.20 VOC	28 45.14 N 88 20.94 W	15:15	Louisiana Responder/Aft Deck
N/A	MSRC IH	60.2 VOC	28 45.14 N 88 20.94 W	15:17	Louisiana Responder/ Galley Door
N/A	MSRC IH	100.2	28 45.14 N 88 20.94 W	15:21	Louisiana Responder/ Aft Deck
N/A	MSRC IH	0.5 Benzene	28 45.14 N 88 20.94 W	15:25	Louisiana Responder

**ATTACHMENT B**

1							
10. Safety Officer Review:							
Potential Health Effects: Bruise/Lacerations, Organ Damage, Central Nervous System Effects, Cancer, Reproductive Damage, Low Back Pain, Temporary Hearing Loss, Dermatitis, Respiratory Effects, Bone Breaks, & Eye Burning						<b>ICS-208-CG SSP-E-1</b> <b>(rev 9/06):</b> Page ____ of ____	



**From:** Alvin Chapman  
**Sent:** Wed Apr 28 11:39:00 2010  
**To:** Moreno, Carlos J  
**Subject:** FW: 4/27/10 IH Monitoring Data-OI3 and Scandi  
**Importance:** Normal  
**Attachments:** MC252AirMonitoringLog42710 Scandi.docx; MC252AirMonitoringLog 04272010 OI3.doc;  
Copy of Direct Reading-Benzene Readings OI3 04272010.XLS;  
DIRECT%20READING%20MONITORS(1)42710Scandi.xlsx

s

**From:** Burt, Stanley C [mailto:Stanley.Burt@bp.com]  
**Sent:** Wed 4/28/2010 7:41 AM  
**To:** Alvin Chapman; Murray, Kate A; Metzler, Cheryl A; Mouton, Keith; Rosamond, Kenneth P; Thibodeaux, James R; Sanchez, Martin D.; Rayburn, Dean M; Smolen, Brad C; Benton, Keith; Tink, Steve  
**Cc:** Burt, Stanley C; Gallucci, Joe M  
**Subject:** FW: 4/27/10 IH Monitoring Data-OI3 and Scandi

Please see attached IH monitoring data for the OI3 and Scandi vessels being used for ROV operations. All results are less than detectable limits for each of the constituents of concern (benzene, VOC's, CO, H2S, and % LEL).

**Stan Burt**  
**BP Projects HSSE Advisor**  
**Westlake 1.134C**  
**281-366-3769 (O)**  
**281-381-8128 (C)**

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**From:** Gallucci, Joe M  
**Sent:** Wednesday, April 28, 2010 1:23 AM  
**To:** Burt, Stanley C  
**Subject:** FW: 4/27/10 IH Monitoring Data-OI3 and Scandi  
Great Job! Approved.  
Joe Gallucci, CIH,CSP  
Health/Industrial Hygiene Team Leader-GoM  
200 WestLake Park Blvd. 492B  
Houston, TX 77079  
Phone:(281) 366-2016  
Fax: (281) 366- 7078  
Cell: (713) 302-8617  
IH Portal Link:

<http://gom.bpweb.bp.com/operationsandhsse/hsse/industrialhygiene/Pages/IndustrialHygiene.aspx>

*"A healthy performance is achieved through healthy people, in healthy plant, implementing healthy processes that promote healthy decisions"* Richard Heron- BP VP Health

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**From:** Burt, Stanley C

**Sent:** Wednesday, April 28, 2010 12:16 AM

**To:** Gallucci, Joe M; Burt, Stanley C

**Subject:** 4/27/10 IH Monitoring Data-OI3 and Scandi

<<MC252AirMonitoringLog42710 Scandi.docx>> <<MC252AirMonitoringLog 04272010 OI3.doc>> <<Copy of Direct Reading-Benzene Readings OI3 04272010.XLS>> <<DIRECT%20READING%20MONITORS(1)42710Scandi.xlsx>>

**Stan Burt**

**BP Projects HSSE Advisor**

**Westlake 1.134C**

**281-366-3769 (O)**

**281-381-8128 (C)**

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BP-HZN-2179MDL04918610

BPD344-119042



# ATTACHMENT B

CG ICS SSP: Exposure Monitoring Plan		1. Incident Name MC252	2. Date/Time Prepared: 4/27/10	3. Operational Period: 06:00-18:00	4. Safety Officer (Method of Contact): Call Houma TCP 985-493-7812				
5. Specific Task/Operation	6. Survey Location	7. Survey Date/Time	8. Monitoring Methodology	9. Direct-Reading Instrument	10. Air Sampling	11. Hazard(s) to Monitor	12. Monitoring Duration	13. Reasons to Monitor	14. Laboratory Support for Analysis
ROV Loading/ Offloading	Scandi 28 DEGREES 44.3 MINUTES WEST 088 DEGREES 21.98 MINUTES	4/27/2010 14:00- 16:00	<input type="checkbox"/> Personal Breathing Zone <input checked="" type="checkbox"/> Area Air Monitoring <input type="checkbox"/> Dermal Exposure Monitoring <input type="checkbox"/> Biological Monitoring: <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Other <input type="checkbox"/> Obtain bulk samples <input type="checkbox"/> Other:	Model: Sirius Multigas Detector  Manufacturer: MSA  Last Mfr Calibration Date:	Sampling/Analysis Method: N/A - Direct Reading Collecting Media: <input type="checkbox"/> Charcoal Tube <input type="checkbox"/> Silica Gel <input type="checkbox"/> 37 mm MCE Filter <input type="checkbox"/> 37 mm PVC Filter <input type="checkbox"/> Other:	LEL, O2, H2S, CO, VOC	On-going throughout shift	<input type="checkbox"/> Regulatory Compliance <input checked="" type="checkbox"/> Assess current PPE adequacy <input type="checkbox"/> Validate engineering controls <input type="checkbox"/> Monitor IDLH Conditions <input type="checkbox"/> Other:	N/A
ROV Loading/ Offloading	Scandi 28 DEGREES 44.3 MINUTES WEST 088 DEGREES 21.98 MINUTES	4/27/2010 14:00- 16:00	<input type="checkbox"/> Personal Breathing Zone <input checked="" type="checkbox"/> Area Air Monitoring <input type="checkbox"/> Dermal Exposure Monitoring <input type="checkbox"/> Biological Monitoring: <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Other <input type="checkbox"/> Obtain bulk samples <input type="checkbox"/> Other:	Model: UltraRae  Manufacturer: Rae Systems  Last Mfr Calibration Date:	Sampling/Analysis Method: N/A - Direct Reading Collecting Media: <input type="checkbox"/> Charcoal Tube <input type="checkbox"/> Silica Gel <input type="checkbox"/> 37 mm MCE Filter <input type="checkbox"/> 37 mm PVC Filter <input type="checkbox"/> Other:	Benzene	On-going throughout shift	<input type="checkbox"/> Regulatory Compliance <input checked="" type="checkbox"/> Assess current PPE adequacy <input type="checkbox"/> Validate engineering controls <input type="checkbox"/> Monitor IDLH Conditions <input type="checkbox"/> Other:	N/A
			<input checked="" type="checkbox"/> Personal Breathing Zone <input type="checkbox"/> Area Air Monitoring <input type="checkbox"/> Dermal Exposure Monitoring <input type="checkbox"/> Biological Monitoring: <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Other <input type="checkbox"/> Obtain bulk samples <input type="checkbox"/> Other:	Model: N/A  Manufacturer:  Last Mfr Calibration Date:	Sampling/Analysis Method: GC Modified OSHA 07 Collecting Media: <input type="checkbox"/> Charcoal Tube <input type="checkbox"/> Silica Gel <input type="checkbox"/> 37 mm MCE Filter <input type="checkbox"/> 37 mm PVC Filter <input checked="" type="checkbox"/> Other: 3M 3500 Organic Vapor Monitors	Benzene, Ethyl Benzene, Toluene, Xylene and Total Hydrocarb ons as Hexane	Full-shift	<input type="checkbox"/> Regulatory Compliance <input checked="" type="checkbox"/> Assess current PPE adequacy <input type="checkbox"/> Validate engineering controls <input type="checkbox"/> Monitor IDLH Conditions <input type="checkbox"/> Other:	Bureau Veritas 22345 Roethel Drive Novi, MI 48375
15. Prepared By:			16. Date/Time Briefed:			HAZARD LIST: Potential Health Effects: Bruise/Lacerations, Organ Damage, Central Nervous System Effects, Cancer, Reproductive Damage, Low Back Pain, Temporary Hearing Loss, Dermatitis, Respiratory Effects, Bone Breaks, & Eye Burning			
18. Safety Officer Review:			Reporting: Monitoring results shall be logged in the ICS-208-CG SSP-E-1 form (Air Monitoring Log) and attached as part of a current Site Safety Plan and Incident Action Plan. Significant Exposures shall be immediately addressed to the IC and General Staff for immediate correction.						



CG ICSS SSP: AIR MONITORING LOG		1. Incident Name MC252	2. Date/Time Prepared 17:15	3. Operational Period 06:00-06:00	4. Safety Officer (include method of contact) Call Houma TCP 985-493-7812
5. Site Location MC252	6. Hazards of Concern Benzene Volatile Organic Compounds VOC Hydrogen Sulfide - H2S Lower Explosive Limit - LEL Carbon Monoxide - CO	7. Action Levels (include references): 0.5 ppm 50 ppm 5 ppm 10% 15 ppm	8. Weather: Temperature: 82 Precipitation: None Wind: 10 mph ESE Relative Humidity: 41% Cloud Cover: Partly Cloudy		
9. a. Instrument, ID Number Calibrated? Indicate below.	9. b. Monitoring Person Name(s)	9. c. Results (units)	9. d. Location	9. f. Time	9. g. Interferences and Comments
58397	Chad Comeaux	0 ppm Benzene	Back Deck Area	1400	None
58397	Chad Comeaux	0 ppm Benzene	Back Deck Area	1500	None
58397	Chad Comeaux	0 ppm Benzene	Back Deck Area	1600	None
602616	Chad Comeaux	0% LEL	Back Deck Area	1400	None
602616	Chad Comeaux	0 ppm H2S	Back Deck Area	1400	None
602616	Chad Comeaux	0 ppm CO	Back Deck Area	1400	None
602616	Chad Comeaux	0 ppm VOC	Back Deck Area	1400	None
602616	Chad Comeaux	0% LEL	Back Deck Area	1500	None
602616	Chad Comeaux	0 ppm H2S	Back Deck Area	1500	None
602616	Chad Comeaux	0 ppm CO	Back Deck Area	1500	None
602616	Chad Comeaux	0 ppm VOC	Back Deck Area	1500	None
602616	Chad Comeaux	0% LEL	Back Deck Area	1600	None
602616	Chad Comeaux	0 ppm H2S	Back Deck Area	1600	None
602616	Chad Comeaux	0 ppm CO	Back Deck Area	1600	None
602616	Chad Comeaux	0 ppm VOC	Back Deck Area	1600	None
602616	Chad Comeaux	0 ppm VOC	Back Deck Area	1600	None
602616	Chad Comeaux				

BP-HZN-2179MDL04918612  
BPD344-119044

**ATTACHMENT B**

10. Safety Officer Review:	Potential Health Effects: Bruise/Lacerations, Organ Damage, Central Nervous System Effects, Cancer, Reproductive Damage, Low Back Pain, Temporary Hearing Loss, Dermatitis, Respiratory Effects, Bone Breaks, & Eye Burning	<b>ICS-208-CG SSP-E-1 (rev 9/06):</b> Page ____ of ____
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## DIRECT READING INSTRUMENT SAMPLE LOG

[illegible]

Direct Reading Calibration and Sample Log Monitor Model: \_\_\_\_\_

Instrument Serial #	Date	Time	Location / Description	Benzene (ppm)
580392	4/27/2010	1900	Lat. 28 44.4 Long. 08821.9/deck area	0
580392	4/28/2010	2000	Lat. 28 44.4 Long. 08821.9/deck area	0
580392	4/27/2010	2100	Lat. 28 44.4 Long. 08821.9/deck area	0
580392	4/28/2010	2200	Lat. 28 44.4 Long. 08821.9/deck area	0



# ATTACHMENT B

CG ICS SSP: Exposure Monitoring Plan			1. Incident Name MC252	2. Date/Time Prepared: 4/27/10	3. Operational Period: 0600-1800	4. Safety Officer (Method of Contact): Call Houma TCP 985-493-7812			
5. Specific Task/Operation	6. Survey Location	7. Survey Date/Time	8. Monitoring Methodology	9. Direct-Reading Instrument	10. Air Sampling	11. Hazard(s) to Monitor	12. Monitoring Duration	13. Reasons to Monitor	14. Laboratory Support for Analysis
ROV Loading/Offloading	O13 Lat. 28 44.4 Long. 08821.9	4/27/10- 12:30- 22:00 hours	<input type="checkbox"/> Personal Breathing Zone <input checked="" type="checkbox"/> Area Air Monitoring <input type="checkbox"/> Dermal Exposure Monitoring <input type="checkbox"/> Biological Monitoring: <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Other <input type="checkbox"/> Obtain bulk samples <input type="checkbox"/> Other:	<u>Model:</u> Sirius Multigas Detector <u>Manufacturer:</u> MSA <u>Last Mfr Calibration Date:</u>	Sampling/Analysis <u>Method:</u> N/A - Direct <u>Reading Collecting Media:</u> <input type="checkbox"/> Charcoal Tube <input type="checkbox"/> Silica Gel <input type="checkbox"/> 37 mm MCE Filter <input type="checkbox"/> 37 mm PVC Filter <input type="checkbox"/> Other:	LEL, O2, H2S, CO, VOC	On-going throughout shift	<input type="checkbox"/> Regulatory Compliance <input checked="" type="checkbox"/> Assess current PPE adequacy <input type="checkbox"/> Validate engineering controls <input type="checkbox"/> Monitor IDLH Conditions <input type="checkbox"/> Other:	N/A
ROV Loading/Offloading	O13 Lat. 28 44.4 Long. 08821.9	4/27/10- 1900- 2200 hours	<input type="checkbox"/> Personal Breathing Zone <input checked="" type="checkbox"/> Area Air Monitoring <input type="checkbox"/> Dermal Exposure Monitoring <input type="checkbox"/> Biological Monitoring: <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Other <input type="checkbox"/> Obtain bulk samples <input type="checkbox"/> Other:	<u>Model:</u> UltraKae <u>Manufacturer:</u> Rae Systems <u>Last Mfr Calibration Date:</u>	Sampling/Analysis <u>Method:</u> N/A - Direct <u>Reading Collecting Media:</u> <input type="checkbox"/> Charcoal Tube <input type="checkbox"/> Silica Gel <input type="checkbox"/> 37 mm MCE Filter <input type="checkbox"/> 37 mm PVC Filter <input type="checkbox"/> Other:	Benzene	On-going throughout shift	<input type="checkbox"/> Regulatory Compliance <input checked="" type="checkbox"/> Assess current PPE adequacy <input type="checkbox"/> Validate engineering controls <input type="checkbox"/> Monitor IDLH Conditions <input type="checkbox"/> Other:	N/A
			<input checked="" type="checkbox"/> Personal Breathing Zone <input type="checkbox"/> Area Air Monitoring <input type="checkbox"/> Dermal Exposure Monitoring <input type="checkbox"/> Biological Monitoring: <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Other <input type="checkbox"/> Obtain bulk samples <input type="checkbox"/> Other:	<u>Model:</u> N/A <u>Manufacturer:</u>  <u>Last Mfr Calibration Date:</u>	Sampling/Analysis <u>Method:</u> GC Modified OSHA 07 <u>Collecting Media:</u> <input type="checkbox"/> Charcoal Tube <input type="checkbox"/> Silica Gel <input type="checkbox"/> 37 mm MCE Filter <input checked="" type="checkbox"/> Other: 3M 3500 Organic Vapor Monitors	Benzene, Ethyl Benzene, Toluene, Xylene and Total Hydrocarbons as Hexane	Full-shift	<input type="checkbox"/> Regulatory Compliance <input checked="" type="checkbox"/> Assess current PPE adequacy <input type="checkbox"/> Validate engineering controls <input type="checkbox"/> Monitor IDLH Conditions <input type="checkbox"/> Other:	Bureau Veritas 22345 Roethel Drive Novi, MI 48375
15. Prepared By:	16. Date/Time Briefed:			<b>HAZARD LIST:</b> Potential Health Effects: Bruise/Lacerations, Organ Damage, Central Nervous System Effects, Cancer, Reproductive Damage, Low Back Pain, Temporary Hearing Loss, Dermatitis, Respiratory Effects, Bone Breaks, & Eye Burning					
18. Safety Officer Review:	Reporting: Monitoring results shall be logged in the ICS-208-CG SSP-E-1 form (Air Monitoring Log) and attached as part of a current Site Safety Plan and Incident Action Plan. Significant Exposures shall be immediately addressed to the IC and General Staff for immediate correction.			ICS-208-CG SSP-E (rev 9/06) Page ____ of ____					



# ATTACHMENT B

CG ICS SSP: AIR MONITORING LOG		1. Incident Name MC252	2. Date/Time Prepared 4/27/10- 23:55 hours	3. Operational Period 0600-1800 hours	4. Safety Officer (include method of contact) Call Houma TCP 985-493-7812
5. Site Location Lat. 28 44.4 Long. 08821.9	6. Hazards of Concern Benzene Volatile Organic Compounds VOC Hydrogen Sulfide - H2S Lower Explosive Limit - LEL Carbon Monoxide - CO	7. Action Levels (include references): 0.5 ppm 50 ppm 5 ppm 10% 15 ppm			8. Weather: Temperature: 82 F Precipitation: None Wind: 10 mph ESE Relative Humidity: 41% Cloud Cover: Partly Cloudy
9.a. Instrument, ID Number Calibrated? Indicate below.	9.b. Monitoring Person Name(s)	9.c. Results (units)	9.d. Location	9.f. Time	9.g. Interferences and Comments
580392	Jason Landry	0 ppm Benzene	Deck Area	1900	None
580392	Jason Landry	0 ppm Benzene	Deck Area	2000	None
580392	Jason Landry	0 ppm Benzene	Deck Area	2100	None
580392	Jason Landry	0 ppm Benzene	Deck Area	2200	None
542550	Jason Landry	0% Lel	Deck Area/Engine Room	1230	None
542550	Jason Landry	0 ppm H2S	Deck Area/Engine Room	1230	None
542550	Jason Landry	0 ppm CO	Deck Area/Engine Room	1230	None
542550	Jason Landry	0 ppm VOC	Deck Area/Engine Room	1230	None
542550	Jason Landry	0% LEL	Deck Area	1415	None
542550	Jason Landry	0 ppm H2S	Deck Area	1415	None
542550	Jason Landry	0 ppm CO	Deck Area	1415	None
542550	Jason Landry	0 ppm VOC	Deck Area	1415	None
542550	Jason Landry	0% LEL	Deck Area	1900	None
542550	Jason Landry	0 ppm H2S	Deck Area	1900	None
542550	Jason Landry	0 ppm CO	Deck Area	1900	None
542550	Jason Landry	0 ppm VOC	Deck Area	1900	None

# ATTACHMENT B

542550	Jason Landry	0% LEL	Deck Area	2100	None
542550	Jason Landry	0 ppm H2S	Deck Area	2100	None
542550	Jason Landry	0 ppm CO	Deck Area	2100	None
542550	Jason Landry	0 ppm VOC	Deck Area	2100	None
542550	Jason Landry	0% LEL	Deck Area	2200	None
542550	Jason Landry	0 ppm H2S	Deck Area	2200	None
542550	Jason Landry	0 ppm CO	Deck Area	2200	None
542550	Jason Landry	0 ppm VOC	Deck Area	2200	None
10. Safety Officer Review:					ICS-208-CG SSP-E-1 (rev 9/06): Page ____ of ____

Potential Health Effects: Bruise/Lacerations, Organ Damage, Central Nervous System Effects, Cancr. Reproductive Damage, Low Back Pain, Temporary Hearing Loss, Dermatitis, Respiratory Effects, Bone Breaks, & Eye Burning



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## GC SAMPLE LOG

[illegible]

# DIRECT READING INSTRUMENT SAMPLE LOG

[illegible]

**Direct Reading Calibration and Sample Log Monitor Model:** \_\_\_\_\_

[illegible]