

FPN: E14421
Incident Name: Moon-Hines Flowline Spill
Location: Eucutta, MS
USCG District: 8TH
OSC: Leo Francendese

311: 20 Questions

- 1) *Provide the time and date of oil or hazardous substance discharge, and the time and date of discovery that the discharge was reaching or threatening a waterway.*

Precise time and date of discharge is unknown. Discharge occurred at some time between 1800 hours on January 5, 2014 and 1000 hours on January 6, 2014. Discovery of discharge occurred at 1000 hours on January 6, 2014. Discovery that the discharge was reaching or threatening a waterway occurred at 0600 hours on January 7, 2014.

- 2) *The time and date of the response to the discharge by EPA, START, and the PRP if applicable. Provide the name(s) of any contractor(s) employed.*

Moon Hines Tigrett (PRP) employee (Greg Mueller) responded to the discharge upon discovery at 0600 hours on January 7, 2014 and began notification at 1030 hours as follows:

- 1030 hours: Mississippi Department of Environmental Quality (MDEQ)
- 1230 hours: EPA; Spill already reported by MDEQ
- 1245 hours: NRC Report taken by PO Huggins; EPA reported to NRC on January 8, 2014; 1255 hours: NRC Report taken by: CIV TIMOTY SMITH; Report #1070440

MDEQ (Ernie Shirley) arrived on site at approximately 1500 hours; 1/7/14.

EPA and arrived on site at approximately 1500 hours; 1/7/14.

PRP employed Complete Environmental Solutions who arrived on site at 0600 hours on January 8, 2014.

- 3) *The type of discharge (oil or hazardous substances), the type of oil or the chemical name and formula, the total amount of discharge in gallons, barrels, pounds, or kilograms; and the total number of days of discharge. If the solution discharged was a mixture, please give the percentages of substances in the mixture or solution.*

Type of discharge is a heavy weight crude oil (34.7 API). Total amount of discharge calculated by Mississippi Oil & Gas Board is 53.4 barrels (2,243 gallons). Total duration of discharge is estimated to be approximately 1 hour. See the MS Oil and Gas Report for calculations supporting the amount and duration of the discharge.

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4) *The location of the discharge including street address, city, county, and state.*

The location of the release is:

Latitude: 31.7561130

Longitude: -88.8549990

No street address exists for the location. The site is located approximately 0.15 miles east of Eucutta Road in northwest Wayne County Mississippi (MS) approximately 13 miles east-northeast of Waynesboro, MS. The nearest paved road intersection is at Eucutta Road and Pleasant Grove Altair Road located approximately 0.3 mile to the south of the site.

5) *The description of the facility or vessel from which the material was discharged (i.e. pipeline, tank, well, ship, container, etc.).*

The discharge occurred from a flow line failure that ran from Moon-Hines-Tigrett (MHT's) CTC Minerals 13-3 #2 oil well in Wayne County, MS to the associated tank battery.

6) *The total storage capacity (gallons, barrels, pounds, kilograms, etc.) of the facility or vessel responsible for the discharge.*

The discharge originated from the flow line associated with the 500 barrel power oil tank within the tank battery.

7) *Did the oil or hazardous substances discharge into water?*

Yes

a. *Please indicate the location, in relation to the facility or vessel responsible for the discharge, of the first water reached.*

The first water reached by the spill is approximately 250 feet northeast of the tank battery.

b. *If not already in water, what is the distance between the source of discharge and the nearest water body?*

Not Applicable

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- c. Give the quantity of oil or hazardous substances reaching the water.*

Approximately 50 barrels of oil reached the water.

- d. Give the quantity of oil or hazardous substances that did not reach the water.*

Approximately 3 barrels of oil were recovered from the grossly impacted soil which was excavated just down gradient of the source.

- e. Describe the type of waterway affected (i.e. mudflat, sandflat, wetland, ditch, creek, bayou, tributary, stream, river, lake, etc.). Give the name of the waterway and bodies of water to which it connects.*

Oil discharged into an intermittent unnamed tributary thence into Wagon Branch. Wagon Branch flows into Tampa Creek, thence into Little Eucutta Creek, thence into Eucutta Creek, thence into the Chickasawhay River. The Chickasawhay River flows into the Pascagoula River which empties into the Mississippi Sound which flows into the Gulf of Mexico.

- f. Provide a physical description of the receiving waters, including depth, width, and flow rate.*

Wagon Branch is a shallow (typically less than 6 inch) sandy bottom stream with an average width of 6 feet. Flow rate is unknown. Tampa Creek is a shallow (typically less than 6 inch) shallow stream with an average width of 10 feet. Flow rate is unknown. Little Eucutta Creek is a shallow (typically less than 6 inch) stream with an average width of 15 feet. Flow rate is unknown. Eucutta Creek is a shallow (typically less than 6 inch) sandy bottom stream with an average width of 20 feet. Flow rate is unknown. The Chickasawhay River is a shallow (typically less than 2 feet) sandy bottom river with an average width of 200 feet. The sandy banks are often fairly steep and highly erosive. Numerous sand bars occur throughout. Flow rate for the impacted area is unknown. Flow rates downstream at Leakesville, MS are highly rain dependent and range from 1,000 – 15,000 cubic feet per second.

- g. Indicate if any of the water bodies or connecting water bodies, as described above, are used for commerce, recreation, agriculture, etc.*

Little Eucutta and Eucutta Creeks are used by cattle for drinking. The Chickasawhay River is also used for cattle and is used for recreation.

- h. List any sensitive environments (i.e. wetlands), endangered species, water wells and/or drinking water intakes impacted or potentially impacted by the discharge.*

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There are several listed species of concern which reside in the Chickasawhay River watershed and/or Wayne County (as per consultation with the Mississippi Department of Environmental Quality and U.S. Fish and Wildlife). This list is as follows:

T - Louisiana black bear (*Ursus a. luteolus*) (P)
E - Red-cockaded woodpecker (*Picoides borealis*)
C - Black pine snake (*Pituophis melanoleucus ssp. lodingi*)
T - Eastern indigo snake (*Drymarchon corais couperi*) (P)
T - Gopher tortoise (*Gopherus polyphemus*)
T - Yellow-blotched map turtle (*Graptemys flavimaculata*)
TCH- Gulf sturgeon (*Acipenser oxyrinchus desotoi*)
E - Louisiana quillwort (*Isoetes louisianensis*)
Codes:
E = Endangered
T = Threatened
C = Candidate
ECH or TCH = Listed with Critical Habitat
DPS = Distinct Vertebrate Population
(P) = Potential to occur

No species of concern were observed.

8) *Document how this spill violated the Clean Water Act.*

An unpermitted discharge occurred from a point source that reached a navigable waterway (SEC. 311. § 1321 (b) (1) “The Congress hereby declares that it is the policy of the United States that there should be no discharges of oil or hazardous substances into or upon the navigable waters of the United States, adjoining shorelines, or into or upon the waters of the contiguous zone.”).

9) *Describe in detail what actually caused the discharge.*

According to information provided by the Mississippi Oil & Gas Board, the flow line from MHT’s CTC Minerals 13-3 #2 oil well in Wayne County, MS to the associated tank battery ruptured causing oil to discharge underground. The oil surfaced and entered the unnamed tributary.

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10) Describe the damage to public health and the environment as a result of the spill. How many feet, miles, etc., of land and water were affected by the discharge? Was there observed damage to the terrestrial and aquatic biota and vegetation? Were any drinking water intakes forced to close? Were any persons required to evacuate? If yes, describe the damage.

A down gradient area approximately 21,000 sq ft was heavily impacted by the spill. A substantial part of the spill apparently flowed into an unnamed tributary of Wagon Branch and thence into Wagon Branch where it traveled downstream for approximately 0.5 miles spreading into a low lying area before being contained. Damages caused by the spill are documented in the Shoreline Cleanup Assessment Technique (SCAT) reports conducted during the response. Damages included significant oiling of water, shoreline, banks, and vegetation in Wagon Branch. No damages to wildlife were observed. No drinking water intakes were forced to close and no persons were required to evacuate.

11) Describe the procedures taken to clean up the discharge and to mitigate the environmental damage and public health threats. Include dates and times for the individual procedures.

Procedures taken are detailed in the Pollution Reports for the response (see http://www.epaosc.org/site/site_profile.aspx?site_id=9015). A summary of these actions is provided as follows:

Production from the referenced well was halted on January 6, 2014, at approximately 1100 hours, upon discovery of the release by MHT contractor William Chancellor. Containment and cleanup efforts of the source area began immediately.

Discovery that the discharge was reaching or threatening a waterway occurred at 0600 hours on January 7, 2014. Appropriate notifications were made and Complete Environmental was contacted to conduct cleanup operations.

Complete Environmental arrived onsite around 0600 hours on January 8, 2014 and deployed absorbent boom to ensure the discharge was contained down gradient from the point of release in a low lying area along Wagon Branch. Complete Environmental also began the removal of recoverable oil and impacted debris.

Active 24 hour recovery of oily liquids via vacuum truck was initiated on January 10, 2014. Two (2) recovery points were established to collect oily liquids. The first recovery point was located at the well pad culvert in the unnamed tributary (Zone A) and the second on Wagon Branch (Zone B). A recovery point was added to Zone C on January 11, 2014. Collected oily liquids were disposed in Clarko's disposal well which is permitted by the Mississippi Oil and Gas Board. An underflow dam was constructed at

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the Zone A recovery point on January 12, 2014 to facilitate the collection of recoverable oil.

Excavation of the grossly impacted area just down gradient from discharge, which comprised an area of approximately 21,000 sq ft, began on January 16, 2014 and was completed on January 20, 2014. Backfilling of the area began on January 22, 2014 and was completed on January 23, 2014. Vegetation of the site must be established during the O&M period.

Recovery of oily liquids was completed in the Wagon Branch on January 25, 2014. On January 24, 2014, SCAT (comprised of MDEQ personnel) completed a bank to bank documentation of remaining stained banks as well as vegetation and debris in the Wagon Branch. All active recovery operations throughout the impacted areas were completed on January 25, 2014. All active recovery points were removed and contaminated equipment was demobilized and decontaminated offsite. An underflow dam was left in place and new boom (absorbent and hard boom) was deployed at passive recovery points that will be maintained according to the Operations and Maintenance (O&M) Plan to be implemented by the PRP. Oil contaminated soil and solids were transported offsite for disposal at a permitted facility (Pine Ridge in Meridian, Mississippi).

After a multi month operations and maintenance phase, the final inspection was completed on 12/12/2014. On site response actions were complete. The final report is expected by the end of January 2015.

12) List the federal and state agencies contacted by the owner or operator at the time of the discharge. Also include the agency's location (mailing address, city, county and state), the date and time of notification, and the name of the official contacted.

Mississippi Oil & Gas Board, Morris Welch (500 Greymont Avenue, Suite E, Jackson, Hinds County, MS 39202) contacted at 1030 hours on January 6, 2014.

MDEQ (Mississippi Department of Environmental Quality), Ernie Shirley (P.O. Box 2261 Jackson, Hinds County, MS 39225) contacted at 1030 hours on January 7, 2014.

EPA (Environmental Protection Agency (EPA), Hotline at 1230 hours on January 7, 2014 – MDEQ had already notified the EPA

NRC (National Response Center) Report #1070440 taken by PO HUGGINS and subsequently reported again by the EPA – taken by CIV TIMOTHY SMITH at 1225 hours on January 8, 2014.

13) State whether an SPCC inspection was conducted and describe any findings.

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No

14) Document the spill history of the facility and list the discharges which have occurred at this facility within the past five years using the following table.

DATE	AMT DISCHARGED	AMT IN WATER	SOURCE & CAUSE
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NONE REPORTED

15) Provide the name, title, home address, and home/work telephone number(s) of the owner(s) of the vessel or facility responsible for the discharge.

The owner and operator of the facility responsible for the discharge is:
Scott Hines, President
Moon-Hines-Tigrett
599 Northpark Dr.
Ridgeland, MS 39157

16) Provide the name, title, home address, and home/work telephone number(s) of the operator(s) of the vessel or facility responsible for the discharge if different from the owner, and the relationship between the owner and operator (i.e. employee, contractor, subcontractor, lessee, etc.)

The contractor who operates the facility is:
William Chancellor, Contractor
1475 Co. Rd 277
Vossburg, MS 39366
Cell: (601) 577-7187

17) Provide the names, titles, home addresses, and home/work telephone numbers of the persons who have knowledge of the facts concerning the spill as an attachment to the report labeled "Table of Witnesses". Include EPA, State, and local officials, START/Strike Team members, other Federal agencies, the company, and the cleanup contractor in the table.

See Table of Witnesses on last page.

18) Does the owner or operator have a National Pollutant Discharge Elimination System (NPDES) permit or any other discharge permit provided by the local, state, or federal government? If yes, name and describe the permit.

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No, N/A.

19) Has the facility ever been assessed a fine for this incident or any other discharge by any other government entity (i.e. city, county, state, federal)? If yes, name the agency or agencies that have assessed a fine(s) on the facility or vessel, and the date(s) when the fine(s) was assessed.

No, none reported.

20) Include the Federal Project Number on the title (cover) sheet of the incident summary report.

The Federal Project Number is included in the header on each page of this document.

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TABLE OF WITNESSES

Name	Title	Address	Office Number	Cell Number	Email Address
Greg Mueller	Moon Hines Tigrett/ Engineer	599 Northpark Dr. Ridgeland, MS 39157	(601) 572- 8300	(601) 335- 3200	gmueller@mhtonline.com
William Chancellor	Contractor	1475 Co Rd Vossburg, MS 39366	NP	(601) 577- 7187	williamchancellor@hotmail.com
Ernie Shirley	MDEQ/SOSC	P.O. Box 2261 Jackson, MS 39225	(601) 961- 5171	(601) 946- 9474	Ernie_Shirley@deq.state.ms.us
Angela Atchison	Wayne Co. EMA/Director	615 Court St. Waynesboro, MS 39367	(601) 735- 2184	(601) 410- 4075	angelaatchison@waynecounty ms.gov
Allen Floyd	MS Oil & Gas Board/Field Director	500 Greymont Ave, Suite E Jackson, MS 39202	(601) 576- 4925	(601) 835- 6802	afloyd@ogb.state.ms.us
Kati Kelley	Complete Environmental and Remediation Co., L.L.C.	37 David Swan Ln. Purvis, MS 39475	(601) 794- 2704	(601) 323- 9964	kkelley@kelleycompanies .com
Leo Francendese	EPA / OSC	Mobile AOR Outpost 213 Richmond Cir. Fairhope, AL 36532	(404) 606- 2223	(404) 606- 2223	Francendese.leo@epa.gov
David Young	US Coast Guard Gulf Strike Team	8501 Tanner Williams Rd. Mobile, AL 36608	(251) 441- 6601	(251) 776- 2899	David.j.young@USCG.mil

NP – Not Provided