

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

MONTHLY GROUNDWATER / VAPOR MONITORING

- This form may be utilized to document monthly monitoring of groundwater/vapor monitoring wells.
- Whenever the monitoring wells contain 6 inches or more of water, visually examine the water and record your observations under the "Groundwater" section at the bottom of this form.
- If the monitoring wells are dry or contain less than 6 inches of water, the wells must be checked with an instrument capable of detecting the product stored in the tanks and you must record your observations under the "Vapor" section of this form.

UST Facility			Person Conducting Monitoring	
Facility Name	MDEQ Facility ID #	Person's Name		
Physical Address			Company	
City	County	State MS	City	State
UST Owner			Person's Signature	Date

Procedure for Checking Monitoring Wells

<u>Groundwater Monitoring (Wells Contain > 6" Water)</u>	<u>Vapor Monitoring (Wells Are Dry < 6" water)</u>
<ol style="list-style-type: none"> 1. Record in inches the approximate depth to the top of the water as measured from the top of the well casing. 2. Lower the bailer in the well until it is halfway submerged. 3. Raise the bailer and visually observe the water. 4. Note if there is any sheen of the stored product stored in the tank observed on top of the water in the bailer. 5. Note if there is a layer of the stored product observed on top of the water (measure and record the thickness of the product layer to the nearest 1/8 inch). 6. Report to MDEQ immediately (within 24 hours) anytime you observe a layer of stored product 1/8 inch or more on the water. 	<ol style="list-style-type: none"> 1. Ensure the vapor monitoring instrument is calibrated in accordance with manufacturer's recommendations. 2. Obtain readings from lowest possible portion of the well. 3. Record the vapors in parts per million (ppm) hexane. 4. Record the vapor meter manufacturer, model number, and the date the vapor meter was last calibrated. 5. Record any conversion factor used to convert readings to ppm hexane (applies to PID meters only). 6. Report to MDEQ immediately (within 24 hours) anytime the vapor readings reach 100 ppm for diesel or 5,000 ppm for gasoline or increase substantially from the previous month. For tank pits or piping trenches containing both gas and diesel tanks or pipes the reportable amount is 100 ppm.

Monitoring Results for the Month of		Year							
Monitoring Well Number		1	2	3	4	5	6	7	8
GROUNDWATER	Measured depth to top of the water in the well (inches)								
	Is there any sheen of the stored product on the water?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	Is there any layer of the stored product on the water?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	If there is a layer of the stored product, how thick is it? (inches)								
VAPOR	Vapor reading (record in parts per million hexane)								
	Have the vapor readings substantially increased from the previous month?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	Vapor Meter manufacturer and model number								
	Date Vapor Meter was last calibrated					Conversion factor (if used) to calculate ppm hexane			

Comments: