

Sensitive Area Determination Checklist

Williams Production RMT Company – Valley		
Person(s) conducting inspection	Ashlee Lane	10/19/2009
Site Information		
Location:	GM 23-34	
Site Activity:	Producing Well Pad	
Personnel on-site:	Pad is in a pipe yard, there are some personnel that move pipe	
Environmental Conditions	Cloudy, dry conditions, windy	
Temperature (°F)		

1. Will the pit of the proposed facility contain hydrocarbons and chlorides or other E&P wastes?

Yes No (*If no, this form does not need to be completed.*)

If yes, list pit type(s): Drilling pit, flare pit

SURFACE WATER

1. Are there any surface water features or SWSAs adjacent to or within the ¼ mile buffer zone?

Yes No

If yes, list type of surface water feature(s), i.e. seeps, springs, wetlands:

Wheeler Gulch and Parachute Creek.

If yes, describe location relative to facility:

Wheeler gulch is approximately 900 feet to the west of the well pad and Parachute Creek is approximately .5 miles to the south of the well pad.

2. Could a potential release from the proposed facility reach surface water features?

Yes No

If yes, describe the pathway a release from facility would likely follow to determine if the potential to impact surface water is high or low.

3. Is the potential to impact surface water from a facility release high or low?

High Low

GROUNDWATER

1. Is the site of the proposed facility underlain by an unconfined aquifer?
 Yes No (*If no, this section does not need to be completed.*)

2. Is the hydraulic conductivity of the underlying soil or bedrock $\geq 1.0 \times 10^{-7}$ cm/sec?
 Yes No

3. Is the proposed facility located within 1/8 mile of a domestic water well or 1/4 mile of a public water supply well?
 Yes No

4. Is the proposed facility located within a 100 year floodplain?
 Yes (*Sensitive Area*) No (*If no, proceed to question #5.*)

5. Is the depth to groundwater known?
 Yes No (*If no, follow instructions provided in 5(b) of this section.*)
 - (a) If yes, could a potential release from the proposed facility reach groundwater?
 Yes No (*If no, this section does not need to be completed.*)
 If yes, explain:

 - (b) If no:
 - (i) Evaluate surrounding soils and vegetation which may suggest the presence of shallow groundwater
 - (ii) Drill a soil boring to determine depth to groundwater.
 - (iii) Model hydro geologic conditions to determine if the potential to impact groundwater is high or low.

6. Is the potential to impact ground water from a facility release high or low?
 High Low

Additional Comments:

Based on the pad location (Williams Pipe Yard) and the Solvay evap ponds to the south of the location potential impacts to any surface waters would be very low. Groundwater, based on monitor well data from the Solvay plant, indicates the depth to groundwater is greater than 50 feet; therefore the potential for a release to impact groundwater would be low. This pad can be designated as being in a non-sensitive area.

