

Sensitive Area Determination Checklist

TEP Rocky Mountain, LLC		
Person(s) Conducting Field Inspection	None conducted	
Site Information		
Location:	GM Chevron Tank Facility	Time: N/A
Type of Facility:	Existing Tank Farm Facility w/ Proposed Expansion	
Environmental Conditions		
Temperature (°F)	N/A	

Has the proposed, new or existing location been designated as a sensitive area?

☐ Yes ☒ No

SURFACE WATER

- Are there any surface water features or SWSAs adjacent to or within ¼ mile of the proposed/new or existing facility?

☒ Yes ☐ No

If yes, list type of surface water feature(s), i.e. rivers, creeks, streams, seeps, springs, wetlands: Two (2) unnamed USGS Identified Intermittent drainages and the Jangles Ditch.

If yes, describe location relative to facility: One unnamed intermittent drainage is located approx. 202 feet to the northwest and the second unnamed intermittent drainage is located approx. 295 feet to the northeast and the Jangles Ditch is located approx. 512 feet to the east of the existing facility.

- Could a potential release from the facility reach surface water features?

☐ Yes ☒ No

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

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

☐ High ☒ Low

GROUNDWATER

1. Will the proposed/new or existing facility have any pits which will contain hydrocarbons and chlorides or other E&P wastes?
☐ Yes ☒ No
If yes, List the pit type(s):
2. Is the site of the proposed facility underlain by an unconfined aquifer or recharge zone?
☒ Yes ☐ No
3. Is the hydraulic conductivity of the underlying soil or geologic material $\leq 1.0 \times 10^{-7}$ cm/sec?
☐ Yes ☒ No
4. Is the proposed facility located within 1/8 mile of a domestic water well or 1/4 mile of a public water supply well which would use the same aquifer?
☐ Yes ☒ No
5. Is the proposed facility located within a 100 year floodplain?
☐ Yes (*Sensitive Area*) ☒ No (*If no, proceed to question #6.*)
6. Is the depth to groundwater known?
☐ Yes (*If yes, follow instructions provided in 6(a) of this section.*)
☒ No (*If no, follow instructions provided in 6(b) of this section.*)
 - (a) If yes, could a potential release from the proposed facility reach groundwater?
☐ Yes ☐ No
If yes, explain:
 - (b) If no:
 - (i) Evaluate surrounding soils, topography, and vegetation which may suggest the presence of shallow groundwater.
 - (ii) Gather information from surrounding well data in order to determine a depth to groundwater, i.e. State Engineers Office.
7. Is the potential to impact ground water from the facility in the event of a release high or low?
☐ High ☒ Low

Additional Comments:

As stated in the surface water section of this sensitive area determination, there are two (2) unnamed USGS identified intermittent drainages and the Jangles Ditch located within a ¼ mile of the existing facility. The facility, as it currently constructed, limits the direction of a potential release the southeastern side. If potential release were to migrate off the facility on the above mentioned side, flow would be to the south and out onto open rangeland. Best Management Practices (BMPs) are currently installed in the form of a steel lined containment structure. During facility expansion (installation of the new tanks) the existing containment structure should be thoroughly inspected and repaired if needed. This would ensure total site containment in the event of a release.

The State Engineer's Office and USGS records were reviewed and there are a series of monitoring wells constructed to the northeast of the existing facility which does provide some information pertaining to the depth to groundwater. Water levels vary from 40 to 60 feet and the wells are at an elevation approximately 40 feet lower than that of the existing facility. Therefore, based on the topographic setting of the facility, it could be assumed that the depth to groundwater is most likely greater than 80 feet. There are no indications of shallow groundwater in the immediate vicinity of the facility. The vegetative cover is typical of upland settings in this area, being dominated by sage, rabbit brush, and native bunch grasses. Thus the potential to impact groundwater would be deemed to be low.

Based on the information collected during this desk top review, the potential for impacts to the unnamed USGS identified intermittent drainages and the Jangles Ditch would be low. The facility expansion (addition of new tanks) will all occur within the steel lined containment which is designed to capture and contain any fluid from a potential release. In the event a potential release was to breach the lined containment, flow would be to the south into open rangeland where it would infiltrate into the underlying soils. With the potential for impacts to surface water features and groundwater being deemed as low, the facility can be designated as being in a non-sensitive area.

Inspector Signature(s):  Date: 9/18/2019

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