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## State of Colorado Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-2100 Fax: (303) 894-2109



FOR OGCC USE ONLY

### CENTRALIZED E&P WASTE MANAGEMENT FACILITY PERMIT

Submit this Form and accompanying documents for each facility per Rule 908. Financial Assurance in the amount of \$50,000 is required to operate each facility.

Surety ID: 20120008

<b>OGCC Operator Number:</b> 66571 <b>Name of Operator:</b> OXY USA WTP LP <b>Address:</b> P.O. Box 27757 <b>City:</b> Houston <b>State:</b> TX <b>Zip:</b> 77227		<b>Contact Name and Telephone:</b> Daniel I. Padilla <b>No:</b> (970) 263-3637 <b>Fax:</b> (970) 263-3694		<b>Complete the Attachment Checklist</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Oper</th> <th>OGCC</th> </tr> </thead> <tbody> <tr><td>Site description (topo, geol, hydro)</td><td>✓</td><td></td></tr> <tr><td>Adjacent land use description</td><td>✓</td><td></td></tr> <tr><td>Topographic map</td><td>✓</td><td></td></tr> <tr><td>Site drainage map with structures</td><td>✓</td><td></td></tr> <tr><td>Scaled drawing and survey map</td><td>✓</td><td></td></tr> <tr><td>Facility design &amp; engineering</td><td>✓</td><td></td></tr> <tr><td>Operating plan</td><td>✓</td><td></td></tr> <tr><td>Water analysis report</td><td>✓</td><td></td></tr> <tr><td>Financial assurance</td><td></td><td></td></tr> <tr><td>Closure plan Preliminary</td><td>✓</td><td></td></tr> <tr><td>Local gov't zoning compliance</td><td>✓</td><td></td></tr> <tr><td>Local gov't permits and notice</td><td>✓</td><td></td></tr> </tbody> </table>		Oper	OGCC	Site description (topo, geol, hydro)	✓		Adjacent land use description	✓		Topographic map	✓		Site drainage map with structures	✓		Scaled drawing and survey map	✓		Facility design & engineering	✓		Operating plan	✓		Water analysis report	✓		Financial assurance			Closure plan Preliminary	✓		Local gov't zoning compliance	✓		Local gov't permits and notice	✓	
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<b>Surface Owner (if different than above):</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone:</b>		<b>Facility Name:</b> Central Water Handling Facility <b>Address:</b> See attached - Site Description <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone:</b> <b>Fax:</b>																																									
<b>Location (QtrQtr, Sec, Twp, Rng, Mer):</b> SWSW, Sec 29, T6S, R97W, 6th PM <b>Latitude:</b> 39.489163 <b>Longitude:</b> -108.248747																																											

1. Is the site in a sensitive area? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N See attached narrative		2. What are the average annual precipitation and evaporation rates for the site? Precipitation: 14 inches/year Evaporation: 45 inches/year	
3. Has a description of the site's general topography, geology and hydrology been attached? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N			
4. Has a description of the adjacent land use been attached? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N		5. Has a 1:24,000 topographic map showing the site location been attached? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
6. Has a site plan showing drainage patterns, diversion or containment structures, roads, fencing, tanks, pits, buildings and any other pertinent construction details been attached? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N			
7. If site is not owned by the operator, is written authorization of the surface owner attached? <input type="checkbox"/> Y <input type="checkbox"/> N		8. Has a scaled drawing and survey showing the entire section(s) containing the proposed facility been attached? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
9. What measures have been implemented to limit access to the facility by wildlife, domestic animals or by members of the public? Briefly explain. Guard station and/or locked gate located at Oxy's property boundary; wildlife friendly fence surrounds the perimeter of the facility.			
10. Is there a planned firelane of at least 10 feet in width around the active treatment areas and within the perimeter fence? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N		11. Is there an additional buffer zone of at least 10 feet within the perimeter firelane? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
12. Have surface water diversion structures been constructed to accommodate a 100-year, 24-hour event? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N		13. Has a waste profile been calculated according to Rule 908.b.6? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
14. Has facility design and engineering been provided as required by Rule 908.b.7? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N		15. Has an operating plan been completed as required by Rule 908.b.8? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
16. Has ground water monitoring for the site been provided? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N ***Attach Water Analysis Report, Form 25, for each monitoring well installed.***			
17. Has financial assurance been provided as required by Rule 704? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N		18. Has a closure plan been provided? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
19. Have local government requirements for zoning and construction been complied with? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N		20. Have permits and notifications required by local governments and other agencies been provided? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

Print Name: Daniel I. PadillaSigned: *Daniel I. Padilla* Title: Regulatory Advisor Date: 7/17/09OGCC Approved: *Cheryl Fisher* Title: Envir. Supervisor Date: 2/10/2012

CONDITIONS OF APPROVAL, IF ANY:

Facility Number: 417559

Please see attached Conditions of Approval 2/10/2012  
*APZ*

OXY USA WTP LP, Central Water Handling Facility (CWHF), SWSW Section 29, T6S, R97W, 6<sup>th</sup> PM, Garfield County, Colorado, Form 28 Conditions of Approval (COAs), Associated Form 28 Document Number 1949102

*AK 2/10/12*

**REQUIREMENTS:**

Provide a revised groundwater and surface water monitoring plan.

Provide a Site Plan detailing the existing Facility.

Provide a revised "Process Description" including a discussion of the site use prior to modifying the site into the current Central Water Handling Facility.

**FINANCIAL ASSURANCE COAs:**

An initial financial assurance in the amount of \$389,406.00 has been provided. This amount will be reviewed by the COGCC or an third party to determine if the financial assurance is adequate.

Financial assurance, based on re-evaluated cost of reclamation, closure and abandonment estimate, will be reviewed at five (5) year intervals over the life of the Facility; however, the COGCC reserves the right to review the financial assurance for adequacy on a more frequent basis.

**WATER RESOURCES (SURFACE WATER AND GROUNDWATER) PROTECTION COAs:**

By June 30, 2012, the Operator shall install a minimum of three (3) groundwater monitoring wells. Two (2) down gradient monitoring wells shall be installed in the vicinity of the "Operations Waste Collection Point" and in the vicinity of the "Vapor combustor Units" and "Condensate and Overflow Tanks." One (1) up gradient monitoring well shall be installed north of the 629-1 Pad. Additional monitoring wells may be warranted depending on future activities of the Facility.

Monitoring wells shall be sampled on a quarterly basis for the first year. The frequency will be reevaluated based upon seasonal fluctuation of the local groundwater table.

Surface water sampling shall be conducted on a periodic basis depending on the seasonal flows of Conn Creek. There shall be one (1) upstream and one (1) downstream collected from Conn Creek. No sampling shall occur immediately after a storm even. The approximate sampling point shall be identified on the site diagram.

The Operator shall ensure that all permanent water handling tanks and associated appurtenances shall have adequate permanent secondary containment and the facility shall comply with the operators SPCC Plan.

The Operator shall field screen for natural occurring radioactive material (NORM) on a quarterly basis from the waste streams generated (filter sacks, produced water, tank bottoms) during the water handling process at the Facility. Based upon the field screening results, sampling and analysis (by a third party independent laboratory) for NORM may be warranted.

GENERAL SITE COAs:

908.e. Facility modification. The operator shall obtain prior approval from the COGCC for significant modifications to the facility design, operating plan, permit data, or permit conditions.

Annual Reporting Requirements (908.f): The operator shall provide an annual report. The annual report shall include the types and volumes of wastes that are associated with the CWHF. Also include the surface water and ground water monitor results. The operator shall report all approved significant modifications in the annual report. Oxy will also provide details related to minor modifications in the annual report. The operator shall provide an updated site overview diagram as necessary or a narrative that no site changes have occurred. The operator shall provide SPCC overview sheets and site diagrams for facilities that have been updated. The operator shall provide a list of all reportable incidents such as accidents or spills that occurred at the CWHF in the annual report.

The operator shall comply with all additional agency approvals obtained for this facility, such as the CDPHE and Garfield County.