

Path: Z:\Clients\ENV\CERT_ClientInfo\Sites\Database\Geospatial\Maps_Photos_Dwgs\ArcGIS\BMCDC_Files\Arcdocs\2015\Decommissioning Plan\Fig8-1 Western Area Groundwater Remediation Areas.mxd
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Figure 8-1
WESTERN
GROUNDWATER REMEDIATION AREAS
DECOMMISSIONING PLAN
CIMARRON SITE, OKLAHOMA

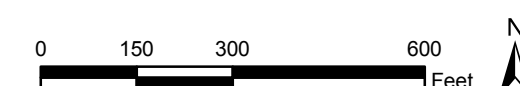


Legend

- MONITORING WELL IN TRANSITION ZONE
- MONITORING WELL IN ALLUVIUM
- MONITORING WELL IN SANDSTONE A
- MONITORING WELL IN SANDSTONE B
- MONITORING WELL IN SANDSTONE C
- PROPOSED EXTRACTION WELL
- PROPOSED INJECTION WELL
- PROPOSED EXTRACTION TRENCH SUMP
- PROPOSED GROUNDWATER EXTRACTION TRENCH
- PROPOSED TREATED WATER INJECTION TRENCH
- PROPOSED UTILITY TRENCH
- NITRATE > 52 MILLIGRAMS PER LITER (mg/L)
- NITRATE > 52 mg/L IN SANDSTONE B
- NITRATE > 22.9 mg/L
- NITRATE > 22.9 mg/L IN SANDSTONE B
- FLUORIDE > 4 mg/L
- FLUORIDE > 4 mg/L IN SANDSTONE B
- URANIUM (U) > 180 PICOCURIES PER LITER (pCi/L)
- U > 30 MICROGRAMS PER LITER (ug/L)
- U > 30 ug/L IN SANDSTONE B
- WESTERN ALLUVIAL AREA (WAA) U < DCGL EAST TREATMENT AREA
- WAA U < DCGL WEST REMEDIATION AREA
- WAA U > DCGL REMEDIATION AREA
- WAA BLUFF REMEDIATION AREA
- URANIUM POND #1/URANIUM POND #2 REMEDIATION AREA
- WESTERN UPLAND AREA (WUA) 1206 DRAINAGE REMEDIATION AREA
- WUA BURIAL AREA #2 REMEDIATION AREA
- WUA PROCESS BUILDING REMEDIATION AREA
- 1010 TOPOGRAPHIC CONTOUR AND ELEVATION

GE-WAA-01 = EXTRACTION WELL
GETR-WAA-01 = EXTRACTION TRENCH
GWI-WU-01 = INJECTION WELL OR TRENCH

- Notes:
- Extraction Well GE-WAA-01 is an existing well and has been incorporated into the remedial Design.
 - All upland remediation components will be installed in Sandstone A unless otherwise noted.
 - Nitrate remediaton goal for is 52 mg/L in the Process Building Area and 22.9 mg/L for the remander of the Site.



Source: ESRI and Burns & McDonnell Engineering.
COORDINATE: NAD 83) STATE PLANE OKLAHOMA NORTH FEET
DATE: AERIAL PHOTO - 2010 / MAP PRODUCED - 12/24/2015