

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

SITE INVESTIGATION AND REMEDIATION WORKPLAN

This form shall be submitted to the Director for approval prior to the initiation of site investigation and remediation activities. Form 27 is intended to be used whenever possible. Additional documentation will be required when large volumes of soil and groundwater have been impacted or involve large facilities with multiple source areas. See Rule 910. Attach as many pages as needed to fully describe the proposed work.

CAUSE OF CONDITION BEING INVESTIGATED AND REMEDIATED

☒ Spill or Release ☐ Plug & Abandon ☐ Central Facility Closure ☐ Site/Facility Closure ☐ Other (describe): _____

OGCC Employee:

☐ Spill ☐ Complaint
☐ Inspection ☐ NOAV

Tracking No:

OGCC Operator Number: 66571

Name of Operator: OXY USA WTP LP

Address: 760 Horizon Drive, Suite 101

City: Grand Junction State: CO Zip: 81506

Contact Name and Telephone:

Blair K. Rollins

No: (970) 263-3637

Fax: (970) 263-3694

API Number: _____

County: _____

Facility Name: Spill release point (CWHF)

Facility Number: 437908

Well Name: _____

Well Number: _____

Location: (QtrQtr, Sec, Twp, Rng, Meridian): SESW, Section 29, T6S, R97W, 6th PM Latitude: 39.489500 Longitude: -108.247558

TECHNICAL CONDITIONS

Type of Waste Causing Impact (crude oil, condensate, produced water, etc): Produced water

Site Conditions: Is location within a sensitive area (according to Rule 901e)? ☐ Y ☒ N If yes, attach evaluation.

Adjacent land use (cultivated, irrigated, dry land farming, industrial, residential, etc.): Rangeland, O&G operations

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: Happle very channery loam, 3-12% slopes

Potential receptors (water wells within 1/4 mi, surface waters, etc.): Intermittent creek ~400 feet east of the spill location, groundwater monitoring well located ~260 feet south

Description of Impact (if previously provided, refer to that form or document):

Impacted Media (check):

Extent of Impact:

How Determined:



Soils

Laboratory analytical data, field observations



Vegetation

Not applicable

Visual



Groundwater

Not applicable

Laboratory analytical data



Surface Water

Not applicable

Visual

REMEDIAL WORKPLAN

Describe initial action taken (if previously provided, refer to that form or document):

Please see attached narrative.

Describe how source is to be removed:

Please see attached narrative.

Describe how remediation of existing impacts is to be accomplished, including removal and disposal at an injection well or licensed facility, land treatment on site, removal of impacted groundwater, insitu bioremediation, burning of oily vegetation, etc.:

Please see attached narrative.



REMEDIATION WORKPLAN (Cont.)

Tracking Number: _____
Name of Operator: _____
OGCC Operator No: _____
Received Date: _____
Well Name & No: _____
Facility Name & No: _____

OGCC Employee: _____

If groundwater has been impacted, describe proposed monitoring plan (# of wells or sample points, sampling schedule, analytical methods, etc.):
Please see attached narrative.

Describe reclamation plan. Discuss existing and new grade recontouring; method and testing of compaction alleviation; and reseeding program, including location of new seed, seed mix and noxious weed prevention. Attach diagram or drawing. Use additional sheet for description if required.
Please see attached narrative.

Attach samples and analytical results taken to verify remediation of impacts. Show locations of samples on an onsite schematic or drawing.

Is further site investigation required? ☒ Y ☐ N If yes, describe:
Please see attached narrative.

Final disposition of E&P waste (landtreated and disposed onsite, name of licensed disposal facility, recycling, reuse, etc.):
Please see attached narrative.

IMPLEMENTATION SCHEDULE

Date Site Investigation Began: <u>6/30/2014</u>	Date Site Investigation Completed: <u>7/15/2014</u>	Date Remediation Plan Submitted: <u>9/25/2014</u>
Remediation Start Date: <u>7/15/2014</u>	Anticipated Completion Date: <u>9/25/2015</u>	Actual Completion Date: <u>12/31/2015</u>

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name: Blair K. Rollins

Signed: _____

Title: HES Specialist

Date: 01/25/2016

OGCC Approved: _____ Title: _____ Date: _____

OXY USA WTP LP (Operator # 66571)
Remediation # 8661
Spill/Release Point # 437908
Central Water Handling Facility (Location # 417559)

Form 27 Closure Narrative

Describe initial action taken:

OXY USA WTP LP (Oxy) submitted an initial Form 19 and a supplemental Form 19 to address a produced water spill located at Oxy's Central Water Handling Facility, reference document #400635661 and #400640720. Oxy provided a Form 27 Site Investigation and Remediation Workplan to the COGCC on September 25, 2014, reference REM #8661.

Describe how source is to be removed:

Oxy has completed 6 quarters of down-gradient groundwater sampling to monitor potential impacts associated with the small amount of remaining contamination found around pipeline infrastructure below ground at the Central Water Handling Facility. Oxy has collected 16 groundwater monitoring samples from the two down-gradient and one up-gradient groundwater monitoring wells, see figure 1, and have found no exceedances to COGCC Table 910-1 groundwater standards.

At the end of the life of the facility, or if upgrades to the pipeline infrastructure allow for additional excavation and remediation, Oxy will remediate remaining impacted soil to ensure compliance with COGCC Table 910-1 standards. Soils will be stockpiled on the location footprint for characterization to determine feasible disposal or treatment options. Following excavation of impacted soil, Oxy will ensure compliance with COGCC Table 910-1 standards for the excavation footprint.

If onsite treatment and stabilization is feasible, Oxy will treat and stabilize the impacted soils in batches and dispose into the open excavation.

If offsite disposal is determined as the available option, Oxy will dispose of the impacted soil at a commercial offsite disposal facility.

Describe how remediation of existing impacts is to be accomplished, including removal and disposal at an injection well or licensed facility, land treatment on site, removal of impacted groundwater, insitu bioremediation, burning of oil vegetation, etc.:

At the end of the life of the facility, or if upgrades to the pipeline infrastructure allow for additional excavation and remediation, Oxy will remediate any exposed impacted soil to ensure compliance with COGCC Table 910-1 standards. Soils will be stockpiled on the location footprint for characterization to determine feasible disposal or treatment options. Following excavation of impacted soil, Oxy will ensure compliance with COGCC Table 910-1 standards for the excavation footprint.

If onsite treatment and stabilization is feasible, Oxy will treat and stabilize the impacted soils in batches and dispose into the open excavation.

If offsite disposal is determined as the available option, Oxy will dispose of the impacted soil at a commercial offsite disposal facility.

If groundwater has been impacted, describe proposed monitoring plan:

Oxy has collected groundwater samples from three monitoring wells at the facility over 6 quarters for a total of 16 sampling events following the spill. Laboratory analytical results from the above-mentioned

OXY USA WTP LP (Operator # 66571)

Remediation # 8661

Spill/Release Point # 437908

Central Water Handling Facility (Location # 417559)

groundwater sampling events has identified all analyte concentrations to be below COGCC Table 910-1 groundwater standards. Additionally, Oxy has included dissolved metal analysis during all monitoring events and has identified all analyte concentrations to be statistically similar to background groundwater concentrations.

Through continued groundwater monitoring Oxy has demonstrated that offsite migration of contamination has not been encountered and is requesting no further action required for REM #8661. Oxy will continue to collect quarterly groundwater samples from the three monitoring wells as part of conditions of approval associated with Oxy's Central Water Handling Facility Centralized E&P Waste Management Facility (Facility ID 417559).

Describe reclamation plan:

Oxy will continue to utilize the location as part of Oxy's Central Water Handling Facility. At the end of the life of the facility, or if upgrades to the pipeline infrastructure allow for additional excavation and remediation, Oxy will remediate all impacted soil to ensure compliance with COGCC Table 910-1 standards.

Attach samples and analytical results taken to verify remediation of impacts. Show locations of samples on an onsite schematic or drawing. Is further site investigation required?

Yes. At the end of the life of the facility, or if upgrades to the pipeline infrastructure allow for additional excavation and remediation, Oxy will remediate any exposed impacted soil to ensure compliance with COGCC Table 910-1 standards. Soils will be stockpiled on the location footprint for characterization to determine feasible disposal or treatment options. Following excavation of impacted soil, Oxy will ensure compliance with COGCC Table 910-1 standards for the excavation footprint.

Final disposition of E&P waste (land treated and disposed onsite, name of licensed disposal facility, recycling, reuse, etc.):

Through continued groundwater monitoring in 2014 and 2015, Oxy has demonstrated that groundwater impacts and offsite migration of contamination has not been encountered, and is requesting no further action required for REM #8661. Oxy will continue to collect quarterly groundwater samples from the three monitoring wells as part of conditions of approval associated with Oxy's Central Water Handling Facility Centralized E&P Waste Management Facility (Facility ID 417559) and will include this information in the annual submittal required by COA.

At the end of the life of the facility, or if upgrades to the pipeline infrastructure allow for additional excavation and remediation, Oxy will remediate any exposed impacted soil to ensure compliance with COGCC Table 910-1 standards. Soils will be stockpiled on the location footprint for characterization to determine feasible disposal or treatment options. Following excavation of impacted soil, Oxy will ensure compliance with COGCC Table 910-1 standards for the excavation footprint. If onsite treatment and stabilization is feasible, Oxy will treat and stabilize the impacted soils in batches and dispose into the open excavation. If offsite disposal is determined as the available option, Oxy will dispose of the impacted soil at a commercial offsite disposal facility.

Central Water Handling Facility Monitoring Well Locations

Revised: Jan 25, 2016 Garfield County, Colorado

0 0.01 0.02 0.03 0.04 0.05
Miles



Central Water Handling Facility Groundwater Monitoring Results - Through 11/11/2015

Location /Date	Organics in Water (mg/L)						Anions in Water (mg/L)						Dissolved Metals in Water (mg/L)						Inorganics in Water (mg/L)				Water Level (BGS - ft)	
	TPH DRO <0.1	TPH GRO <0.1	Benzene 0.005 mg/L	Toluene 1.0 mg/L	Ethylbenzene 10000 mg/L	Xylenes 10 mg/L	Bromide (Br ⁻) <1.25 X Background	Chloride (Cl ⁻) <1.25 X Background	Fluoride (F ⁻)	Nitrogen, Nitrate (NO ₃ ⁻)	Nitrogen, Nitrite (NO ₂ ⁻)	Sulfate (SO ₄ ²⁻) <1.25 X Background	Calcium	Iron	Magnesium	Manganese	Potassium	Selenium	Sodium	pH	Specific Conductivity (mS/cm) <4, or 2X Background	Total Alkalinity		Total Dissolved Solids <1.25 X Background
MW-1																								
12/16/2013	<0.1	<0.1	<0.5	<5.0	<0.5	<1.5	<1.0	67	0.62	1	<0.1	130	82	<0.1	52	0.01	3.0	<0.02	91	7.90	1.1	350	660	
02/27/2014	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003	<1.0	68	0.64	1	<0.01	140	82	<0.1	52	<0.01	2.8	0.005	91	7.10	1.1	360	600	96.50
05/20/2014	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003	<1.0	66	0.58	1	<0.1	140	79	<0.1	55	<0.01	2.9	0.006	88	7.50	1.1	310	620	94.10
07/21/2014	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003	<1.0	68	0.60	2	<0.1	140	89	<0.1	57	<0.01	3.9	0.004	88	8.20	1.1	370	690	79.65
08/20/2014	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003	<1.0	67	0.55	2	<0.1	140	88	<0.1	57	<0.01	3.0	0.004	82	7.50	1.1	360	760	77.58
10/27/2014	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003	<1.0	63	0.50	1	<0.1	140								7.57	1.1	360	764	87.31
11/24/2014	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003		64				140								7.30	1.1		526	89.95
12/01/2014	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003	<1.0	70	0.64	1.4	<0.1	140	86	<0.1	58		3.1	<0.02	88	7.68	0.6	370	379	90.31
12/08/2014	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003		64				140								6.50	1.1		734	90.70
12/15/2014	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003		66				150								7.10	1.2		728	91.02
12/22/2014	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003		64				150								7.40	1.1		786	91.52
12/29/2014	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003		160				350								7.81	1.1		728	92.10
01/27/2015	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003	<1.0	64	0.51	1.4	<0.1	140	87	<0.1	57	NA	4.5	0.011	100	7.10	1.1	370	520	94.70
03/13/2015	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003	<1.0	62	0.61	1.5	<0.1	146	88	<0.1	55	<0.01	3.2	0.003	93.3	7.40	1.1	390	715	97.80
04/25/2015	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003	<1.0	68	0.55	1.5	<0.1	132	84	<0.1	54	<0.01	3.4	0.012	93.7	7.10	1.1	360	700	97.38
06/08/2015	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003	<1.0	71	0.52	1.7	<0.1	145	92	<0.1	58	<0.01	3.3	0.003	88.8	7.84	1.1	400	952	85.64
07/16/2015	<0.1	<0.1	<0.001	<0.005	<0.001		<1.0	126	0.52	0.4	<0.1	141	101	<0.1	60	0.11	3.6	<0.002	124	7.26	1.2	383	774	75.63
08/31/2015	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003	<1.0	63	0.52	1.8	<0.1	167	82	<0.1	54	<0.005	2.8	0.003	79	7.39	1.2	406	767	71.17
11/11/2015	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003	<1.0	65	0.49	1.7	<0.1	147	90	<0.1	57	<0.005	3.1	0.004	86.3	7.41	1.2	375	800	85.23

Central Water Handling Facility Groundwater Monitoring Results - Through 11/11/2015

Location /Date	Organics in Water (mg/L)						Anions in Water (mg/L)						Dissolved Metals in Water (mg/L)						Inorganics in Water (mg/L)				Water Level (BGS - ft)	
	TPH DRO <0.1	TPH GRO <0.1	Benzene 0.005 mg/L	Toluene 1.0 mg/L	Ethylbenzene 10000 mg/L	Xylenes 10 mg/L	Bromide (Br ⁻) <1.25 X Background	Chloride (Cl ⁻) <1.25 X Background	Fluoride (F ⁻)	Nitrogen, Nitrate (NO ₃ ⁻)	Nitrogen, Nitrite (NO ₂ ⁻)	Sulfate (SO ₄ ²⁻) <1.25 X Background	Calcium	Iron	Magnesium	Manganese	Potassium	Selenium	Sodium	pH	Specific Conductivity (mS/cm) <4, or 2X Background	Total Alkalinity		Total Dissolved Solids <1.25 X Background
MW-2																								
12/16/2013	<0.1	<0.1	<0.5	<5.0	<0.5	<1.5	<1.0	64	0.53	1.4	<0.1	130	88	<0.1	54	<0.01	2.8	<0.02	74	8.50	1.1	330	630	68.10
02/27/2014	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003	<1.0	64	0.52	1.3	<0.1	130	86	<0.1	51	<0.01	2.7	0.005	74	7.00	1.1	330	650	64.50
05/20/2014	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003	<1.0	68	0.57	1.5	<0.1	140	83	<0.1	56	<0.01	2.8	0.006	78	7.50	1.1	300	630	62.97
07/21/2014	0.15	<0.1	<0.001	<0.005	<0.001	<0.003	6.1	910	0.40	<0.1	<0.1	140	290	<0.1	180	0.64	6.6	0.016	180	7.60	3.6	380	3000	47.40
08/07/2014	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003	4.0	650	0.36	<0.1	<0.1	160	230	<0.1	140	0.61	5.9	0.024	220	7.20	2.9	400	1900	45.02
08/20/2014	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003	3.1	470	0.40	<0.1	<0.1	150	180	<0.1	110	0.50	4.7	0.006	190	7.40	2.5	400	1500	44.80
10/27/2014	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003	<1.0	130	0.50	<0.1	<0.1	170								7.53	1.4	400	897	53.95
11/24/2014	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003		170				160								7.20	1.5		507	56.96
12/01/2014	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003	<1.0	170	0.60	<0.1	<0.1	150	93	<0.1	59	0.28	3.5	<0.02	160	7.58	1.5	410	962	57.49
12/08/2014	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003		130				150								6.90	1.4		923	58.02
12/15/2014	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003		120				150								6.80	1.4		884	58.49
12/22/2014	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003		110				150								7.40	1.3		962	55.94
12/29/2014	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003		230				370								7.20	1.3		845	54.94
01/27/2015	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003	<1.0	61	0.53	<0.1	<0.1	150	79	<0.1	47	NA	4.1	0.006	120	7.10	1.2	380	748	62.33
03/13/2015	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003	<1.0	59	0.61	<0.1	<0.1	144	83	<0.1	49	0.18	3.0	<0.002	106	7.50	1.1	370	722	65.41
04/25/2015	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003	<1.0	66	0.53	0.3	<0.1	151	83	<0.1	50	0.09	3.6	0.011	99.9	7.10	1.1	350	700	65.45
06/08/2015	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003	<1.0	150	0.49	0.1	<0.1	151	102	<0.1	59	0.03	3.6	<0.002	130	7.49	1.4	430	1080	54.23
07/16/2015	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003	<1.0	65	0.56	1.8	<0.1	146	90	<0.1	57	<0.01	3.3	0.003	85.2	7.34	1.4	407	917	43.32
08/31/2015	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003	<1.0	69	0.50	<0.1	<0.1	173	77	<0.1	47	<0.01	3.0	<0.002	111	7.40	1.2	415	787	38.13
11/11/2015	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003	<1.0	59	0.507	1.12	<0.1	151	89	<0.1	51.7	0.273	2.88	0.00249	92.8	7.45	1.2	368	800	51.53

Central Water Handling Facility Groundwater Monitoring Results - Through 11/11/2015

Location /Date	Organics in Water (mg/L)						Anions in Water (mg/L)						Dissolved Metals in Water (mg/L)						Inorganics in Water (mg/L)				Water Level (BGS - ft)	
	TPH DRO <0.1	TPH GRO <0.1	Benzene 0.005 mg/L	Toluene 1.0 mg/L	Ethylbenzene 10000 mg/L	Xylenes 10 mg/L	Bromide (Br ⁻) <1.25 X Background	Chloride (Cl ⁻) <1.25 X Background	Fluoride (F ⁻)	Nitrogen, Nitrate (NO ₃ ⁻)	Nitrogen, Nitrite (NO ₂ ⁻)	Sulfate (SO ₄ ²⁻) <1.25 X Background	Calcium	Iron	Magnesium	Manganese	Potassium	Selenium	Sodium	pH	Specific Conductivity (mS/cm) <4, or 2X Background	Total Alkalinity		Total Dissolved Solids <1.25 X Background
MW-3																								
12/16/2013	<0.1	<0.1	<0.5	<5.0	<0.5	<1.5	<1.0	69	0.55	1.3	<0.1	140	90	<0.1	57	<0.01	2.9	<0.02	78	7.80	1.1	340	650	71.50
02/27/2014	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003	<1.0	70	0.53	1.4	<0.1	140	87	<0.1	54	<0.01	2.9	0.005	83	7.20	1.1	340	670	67.93
05/20/2014	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003	<1.0	61	0.47	1.4	<0.1	130	86	<0.1	55	<0.01	2.7	0.005	74	7.50	1.1	340	650	66.45
07/21/2014	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003	<1.0	68	0.59	1.4	<0.1	130	91	<0.1	56	<0.01	3.9	0.004	81	7.80	1.1	350	670	51.91
08/20/2014	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003	<1.0	74	0.60	1.4	<0.1	140	93	<0.1	61	<0.01	3.0	0.004	78	7.40	1.1	360	820	48.90
10/27/2014	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003	<1.0	64	0.48	1.2	<0.1	140								7.62	1.1	350	560	57.18
11/24/2014	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003		63				140								7.30	1.1		708	60.02
12/01/2014	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003	<1.0	68	0.62	1.6	<0.1	140	89	<0.1	59	<0.01	3.1	<0.02	81	7.72	0.6	380	377	60.58
12/08/2014	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003		62				140								7.00	1.1		728	61.05
12/15/2014	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003		63				140								7.00	1.2		708	61.54
12/22/2014	<0.1	0.14	<0.001	<0.005	<0.001	<0.003		74				140								7.30	1.1		721	61.75
12/29/2014	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003		150				350								7.72	1.1		721	62.54
01/27/2015	<0.1	0.18	<0.001	<0.005	<0.001	<0.003	<1.0	62	0.47	1.6	<0.1	140	91	<0.1	57	NA	4.1	0.009	87	7.10	1.1	360	728	65.15
03/13/2015	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003	<1.0	62	0.56	1.7	<0.1	141	93	<0.1	57	<0.01	3.1	0.004	83.6	7.30	1.1	360	722	68.35
04/25/2015	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003	<1.0	70	0.49	1.8	<0.1	144	91	<0.1	56	<0.01	3.4	<0.002	82.3	7.10	1.1	350	700	68.58
06/08/2015	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003	<1.0	68	0.53	1.9	<0.1	148	93	<0.1	57	<0.01	3.3	0.004	81.9	8.04	1.1	380	992	57.84
07/16/2015	0.12	<0.1	<0.001	<0.005	<0.001	<0.003	<1.0	64	0.54	1.8	<0.1	137	94	<0.1	58	<0.01	3.3	0.003	82.3	7.31	1.2	373	767	47.81
08/31/2015	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003	<1.0	62	0.48	1.9	<0.1	156	86	<0.1	54	<0.01	3.1	0.004	76.7	7.40	1.2	398	754	41.25
11/11/2015	<0.1	<0.1	<0.001	<0.005	<0.001	<0.003	<1.0	63	0.50	2.0	<0.1	149	94	<0.1	58	<0.005	3.1	0.005	82.7	7.39	1.2	375	800	54.73

<## - Analyte not detected above method detection limit

mg/L - milligrams per liter

mhos/cm - millimhos per centimeter