

Facility Well Name

UIC Permit #

Month

Year

Submitted

Approved

KOLAR Document ID

# Class I-V Injection Well Monthly Monitoring

## Summary of Monthly Report

Number of days injection occurred:

Barrels per Day Maximum:

	Injection Volume Barrels per Day	Injection Rate Barrels per Minute	Annulus Pressure psig min		Injection Pressure		Amount Added to Seal Pot
			Gauge psig	Cont. Record psig	Gauge psig	Cont. Record psig	
Monthly Average							
Monthly Maximum							
Monthly Minimum							
Monthly Total							

## Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig

**Comments:**



June 27, 2024

Mr. Ben Meissner  
Environmental Protection Agency – Region 7  
Drinking Water Management Branch: Water, Wetlands, and Pesticide Division  
11201 Renner Boulevard  
Lenexa, Kansas 66219-9601

**Re: May 2024 Monthly Disposal Well Monitoring Report  
Occidental Chemical Corporation - Wichita Plant  
6200 South Ridge Road  
Wichita, Sedgwick County, Kansas 67215**

Dear Mr. Meissner:

Please see enclosed a copy of the May 2024 Monthly Disposal Well Monitoring Report submitted to the Kansas Department of Health and Environment for the Occidental Chemical Corporation Wichita, KS Plant.

If you have any questions regarding this report, please feel free to contact me by phone at 316-529-7316 or by email at [Nicholas\\_Bell@oxy.com](mailto:Nicholas_Bell@oxy.com).

Sincerely,



Nicholas E. Bell  
Environmental Engineer

June 27, 2024

Mr. Ken Brooks  
Kansas Department of Health and Environment  
Bureau of Water, Geology Unit  
1000 SW Jackson St., Suite 420  
Topeka, KS 66612-1367

**Re: May 2024 Monthly Disposal Well Monitoring Report  
Occidental Chemical Corporation - Wichita Plant  
6200 South Ridge Road  
Wichita, Sedgwick County, Kansas 67215**

Dear Mr. Brooks:

Please see the enclosed May 2024 Monthly Disposal Well Monitoring Report for the Occidental Chemical Corporation (OxyChem) Wichita, KS Plant. The wells operated within permit limits for the month of May 2024 although the following event/discrepancy occurred during the month:

1. Quarterly instrument checks were conducted on Disposal Well Nos. 3 and 8 on May 13, 2024, and Disposal Well Nos. 10 and 11 on May 20, 2024. During the instrument checks, the wells were shut-in and continuous recording devices are temporarily disconnected and checked for calibration. The Wichita Plant's historian database recorded artificial annulus pressure readings below 130 psig and wellhead pressure readings above 20 psig while instrument technicians were checking the continuous recording devices.

All pH laboratory analyses in the report were performed by the OxyChem Wichita Plant Control Lab, KDHE Certification Number E-92454. All other laboratory analyses were performed by Meridian Analytical Lab, LLC, KDHE Certification Numbers E-10193 and E-10378.

If you have any questions regarding this report, please feel free to contact me by phone at 316-529-7316 or by email at Nicholas\_Bell@oxy.com.

Sincerely,



Nicholas E. Bell  
Environmental Engineer

cc: Ben Meissner – EPA

L2406061



## May 2024 Monthly Disposal Well Monitoring Report

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Brett Vander Linden

*Name of Principal Executive Officer*

Plant Manager

*Title*

6/27/24  
*Date*

  
*Signature of Principal Executive Officer or Authorized Agent*

# Oxychem - Monthly Deepwell Report

May 2024

	FLOW IN GALLONS PER DAY (Not to exceed 864,000 gpd per well or 2,520,000 gpd collectively for all wells)			FLOW IN GALLONS PER MINUTE (Not to exceed 600 gpm average)			ANNULUS PRESSURE IN PSIG (>130 psig)			WELL PRESSURE IN PSIG (<20 psig)			TEMP IN DEG F
	AVG	MIN	MAX	AVG	MIN	MAX	AVG	MIN	MAX	AVG	MIN	MAX	AVG
DW 3	165,185	103,951	230,078	114.7	.0	500.3	171.5	-49.8	200.1	-12.5	-26.2	38.7	78.5
DW 8	221,468	0	415,957	153.8	.0	700.7	174.0	-49.7	200.0	-5.6	-26.2	29.9	89.2
DW 9	302,445	183,859	449,254	210.0	.0	676.2	174.2	151.9	201.1	-6.0	-13.7	2.3	94.0
DW 10	551,629	439,396	650,252	383.1	.0	517.6	172.4	-62.5	250.0	-11.8	-26.3	30.0	76.5
DW 11	483,190	353,765	629,787	335.5	.0	800.0	173.7	-62.5	250.0	-9.5	-26.3	30.0	88.3
<b>TOTALS</b>	<b>1,723,918</b>	<b>1,490,969</b>	<b>1,984,740</b>										

\*Quarterly instrument checks were conducted on DW Nos. 3 and 8 on 05/13/2024, and DW Nos. 10 and 11 on 05/20/2024. During the instrument checks, the wells are shut-in and continuous recording devices are temporarily disconnected and checked for calibration, resulting in artificial readings. Annulus and wellhead pressures on each DW, however, were maintained above 130 psig and below 20 psig, respectively, during the instrument checks.

# Daily flows

<i>Date</i>	<i>DW 3 gpd</i>	<i>DW 8 gpd</i>	<i>DW 9 gpd</i>	<i>DW 10 gpd</i>	<i>DW 11 gpd</i>	<i>Total gpd</i>
5/1/2024	200,123	130,479	183,859	560,335	467,471	1,542,267
5/2/2024	149,155	222,385	250,935	547,318	475,133	1,644,926
5/3/2024	112,206	205,091	277,357	586,316	441,516	1,622,485
5/4/2024	147,798	79,251	343,477	595,947	469,878	1,636,351
5/5/2024	203,212	13	364,777	600,732	493,445	1,662,179
5/6/2024	125,537	67	355,403	549,542	546,032	1,576,582
5/7/2024	122,531	3,010	449,254	569,799	625,398	1,769,992
5/8/2024	178,439	277,191	256,922	519,248	421,999	1,653,800
5/9/2024	193,159	329,893	244,818	506,895	521,831	1,796,597
5/10/2024	192,766	268,678	218,489	552,277	492,234	1,724,445
5/11/2024	180,437	180,426	261,151	548,778	411,465	1,582,257
5/12/2024	144,095	239,993	348,939	541,224	495,147	1,769,398
5/13/2024	170,051	104,127	346,508	533,294	512,776	1,666,757
5/14/2024	198,811	0	402,753	534,552	478,673	1,614,789
5/15/2024	170,633	3	446,696	590,737	504,855	1,712,923
5/16/2024	230,078	234,304	266,881	623,690	629,787	1,984,740
5/17/2024	201,476	301,770	226,006	650,252	550,004	1,929,509
5/18/2024	135,923	246,047	364,172	640,819	503,316	1,890,277
5/19/2024	143,756	212,045	214,103	603,822	528,981	1,702,707
5/20/2024	144,338	250,371	275,030	439,396	381,835	1,490,969
5/21/2024	143,814	287,986	318,397	536,721	467,407	1,754,324
5/22/2024	199,612	415,957	210,553	554,761	526,511	1,907,395
5/23/2024	178,609	354,389	361,221	537,392	508,917	1,940,527
5/24/2024	103,951	333,653	289,610	570,387	354,022	1,651,623
5/25/2024	120,672	314,902	318,543	496,295	353,765	1,604,177
5/26/2024	131,757	308,760	324,209	494,484	450,383	1,709,593
5/27/2024	135,234	306,081	335,788	511,038	455,098	1,743,239
5/28/2024	195,844	356,898	299,095	575,677	489,983	1,917,497
5/29/2024	172,844	381,554	318,555	446,785	469,433	1,789,171
5/30/2024	178,517	313,852	189,948	571,444	492,937	1,746,698

<i>Date</i>	<i>DW 3 gpd</i>	<i>DW 8 gpd</i>	<i>DW 9 gpd</i>	<i>DW 10 gpd</i>	<i>DW 11 gpd</i>	<i>Total gpd</i>
5/31/2024	215,367	206,342	312,339	510,551	458,661	1,703,260
<b>Avg</b>	<b>165,185</b>	<b>221,468</b>	<b>302,445</b>	<b>551,629</b>	<b>483,190</b>	<b>1,723,918</b>
<b>Min</b>	<b>103,951</b>	<b>0</b>	<b>183,859</b>	<b>439,396</b>	<b>353,765</b>	<b>1,490,969</b>
<b>Max</b>	<b>230,078</b>	<b>415,957</b>	<b>449,254</b>	<b>650,252</b>	<b>629,787</b>	<b>1,984,740</b>
<b>Total</b>	<b>5,120,743</b>	<b>6,865,519</b>	<b>9,375,790</b>	<b>17,100,509</b>	<b>14,978,893</b>	<b>53,441,452</b>



**DISPOSAL WELL #3 DAILY READINGS**

**UIC Permit No.: KS-01-173-004**

**May 2024**

Date	Time of Reading	Daily Injection Volume (864,000 gallons max.)	Injection Rate	Gauge Annulus Pressure (>130 psig)	Continuous Recorder Annulus Pressure (>130 psig)	Gauge Injection Pressure (<20 psig)	Continuous Recorder Injection Pressure (<20 psig)	Initials of Person Collecting Field Readings
	24-hour	gpd	gpm	psig	psig	psig	psig	
5/1/24	7:07	200,123	87	162	164	-14	-13	KG
5/2/24	6:54	149,155	157	169	168	-14	-13	KG
5/3/24	7:02	112,206	74	166	167	-10	-7.5	EV
5/4/24	6:55	147,798	96	160	159	-10	-11	EV
5/5/24	6:58	203,212	161	168	165	-13	-13	EV
5/6/24	6:50	125,537	81	161	162	-14	-13	NP/BR
5/7/24	6:55	122,531	83	162	163	-14	-13	NP/BR
5/8/24	7:00	178,439	95	163	164	-14	-13	NP/BR
5/9/24	7:00	193,159	152	162	164	-14	-13	NP/BR
5/10/24	6:58	192,766	118	170	171	-12	-11	AB
5/11/24	7:00	180,437	100	180	168	-14	-13	AB
5/12/24	6:53	144,095	102	164	165	-14	-12	AB
5/13/24	6:53	170,051	169	174	176	-14	-13	EV
5/14/24	6:53	198,811	145	170	170	-14	-13	EV
5/15/24	6:56	170,633	143	170	172	-14	-13	EV
5/16/24	8:05	230,078	165	172	175	-13	-13	EV
5/17/24	7:30	201,476	182	168	173	-13	-13	LV
5/18/24	6:50	135,923	87	164	171	-14	-13	LV
5/19/24	6:50	143,756	83	165	166	-14	-13	LV
5/20/24	6:50	144,338	102	166	167	-14	-13	NP
5/21/24	6:50	143,814	87	168	168	-13	-13	NP
5/22/24	6:55	199,612	164	170	170	-14	-12	NP
5/23/24	6:50	178,609	147	170	171	-14	-13	NP
5/24/24	7:02	103,951	55	166	165	-13	-13	KG
5/25/24	7:09	120,672	70	164	165	-14	-13	KG
5/26/24	7:02	131,757	90	174	174	-13	-13	KG
5/27/24	7:00	135,234	88	166	167	-14	-13	NP
5/28/24	6:50	195,844	111	166	167	-14	-13	NP
5/29/24	6:50	172,844	146	174	175	-14	-13	NP
5/30/24	7:00	178,517	104	170	173	-13	-13	EV
5/31/24	7:00	215,367	130	170	170	-14	-13	LV
<b>High</b>		<b>230,078</b>	<b>182</b>	<b>180</b>	<b>176</b>	<b>-10</b>	<b>-8</b>	
<b>Low</b>		<b>103,951</b>	<b>55</b>	<b>160</b>	<b>159</b>	<b>-14</b>	<b>-13</b>	
<b>Average</b>		<b>165,185</b>	<b>115</b>	<b>168</b>	<b>168</b>	<b>-13</b>	<b>-13</b>	

**DISPOSAL WELL #8 DAILY READINGS**

**UIC Permit No.: KS-01-173-007**

**May 2024**

Date	Time of Reading	Daily Injection Volume (864,000 gallons max.)	Injection Rate	Gauge Annulus Pressure (>130 psig)	Continuous Recorder Annulus Pressure (>130 psig)	Gauge Injection Pressure (<20 psig)	Continuous Recorder Injection Pressure (<20 psig)	Initials of Person Collecting Field Readings
	24-hour	gpd	gpm	psig	psig	psig	psig	
5/1/24	7:07	130,479	322	170	172	-3	-1.3	KG
5/2/24	6:54	222,385	234	180	182	-8	-4	KG
5/3/24	7:02	205,091	134	170	170	0	-1	EV
5/4/24	6:55	79,251	91	164	165	1	2	EV
5/5/24	6:58	13	0	174	174	0	0	EV
5/6/24	6:50	67	0	180	180	0	0	NP/BR
5/7/24	6:55	3,010	0	168	168	0	0	NP/BR
5/8/24	7:00	277,191	210	160	162	-14	-9	NP/BR
5/9/24	7:00	329,893	204	170	170	-5	-3	NP/BR
5/10/24	6:58	268,678	266	176	177	-11	-12	AB
5/11/24	7:00	180,426	147	180	180	-14	-13	AB
5/12/24	6:53	239,993	238	166	167	-10	-9	AB
5/13/24	6:53	104,127	123	180	179	-8	-7	EV
5/14/24	6:53	0	0	172	175	1	1	EV
5/15/24	6:56	3	0	178	178	0	0	EV
5/16/24	8:05	234,304	0	166	167	0	0	EV
5/17/24	7:30	301,770	325	165	169	-7	-6	LV
5/18/24	6:50	246,047	162	170	172	-13	-13	LV
5/19/24	6:50	212,045	138	160	178	-10	-12	LV
5/20/24	6:50	250,371	134	182	183	-13	-13	NP
5/21/24	6:50	287,986	278	171	171	-10	-8	NP
5/22/24	6:55	415,957	265	178	178	-6	-5	NP
5/23/24	6:50	354,389	213	177	179	-11	-10	NP
5/24/24	7:02	333,653	127	168	169	-12	-12	KG
5/25/24	7:09	314,902	229	174	176	-6	-4	KG
5/26/24	7:02	308,760	215	182	183	-5	-3	KG
5/27/24	7:00	306,081	245	170	172	-8	-5	NP
5/28/24	6:50	356,898	297	156	156	-4	-3	NP
5/29/24	6:50	381,554	222	164	164	-10	-9	NP
5/30/24	7:00	313,852	229	168	168	-10	-11	EV
5/31/24	7:00	206,342	88	174	177	-10	-9	LV
<b>High</b>		<b>415,957</b>	<b>325</b>	<b>182</b>	<b>183</b>	<b>1</b>	<b>2</b>	
<b>Low</b>		<b>0</b>	<b>0</b>	<b>156</b>	<b>156</b>	<b>-14</b>	<b>-13</b>	
<b>Average</b>		<b>221,468</b>	<b>166</b>	<b>171</b>	<b>173</b>	<b>-7</b>	<b>-6</b>	

**DISPOSAL WELL #9 DAILY READINGS**

**UIC Permit No.: KS-01-173-008**

**May 2024**

Date	Time of Reading	Daily Injection Volume (864,000 gallons max.)	Injection Rate	Gauge Annulus Pressure (>130 psig)	Continuous Recorder Annulus Pressure (>130 psig)	Gauge Injection Pressure (<20 psig)	Continuous Recorder Injection Pressure (<20 psig)	Initials of Person Collecting Field Readings
	24-hour	gpd	gpm	psig	psig	psig	psig	
5/1/24	7:07	183,859	85	178	178	0	-3	KG
5/2/24	6:54	250,935	176	182	182	-3	-3	KG
5/3/24	7:02	277,357	175	162	162	0	2	EV
5/4/24	6:55	343,477	146	152	155	0	0	EV
5/5/24	6:58	364,777	280	164	163	-5	-5	EV
5/6/24	6:50	355,403	326	162	162	-12	-12	NP/BR
5/7/24	6:55	449,254	455	182	182	-13	-13	NP/BR
5/8/24	7:00	256,922	211	172	172	-3	-2	NP/BR
5/9/24	7:00	244,818	187	161	161	-8	-7	NP/BR
5/10/24	6:58	218,489	131	164	164	-11	-11	AB
5/11/24	7:00	261,151	145	168	166	-12	-12	AB
5/12/24	6:53	348,939	264	166	165	-5	-5	AB
5/13/24	6:53	346,508	223	170	172	-5	-5	EV
5/14/24	6:53	402,753	376	183	183	-3	-3	EV
5/15/24	6:56	446,696	293	162	164	-5	-4	EV
5/16/24	8:05	266,881	248	166	168	-1	-2	EV
5/17/24	7:30	226,006	298	172	176	-5	-5	LV
5/18/24	6:50	364,172	223	175	185	-10	-9	LV
5/19/24	6:50	214,103	108	175	162	-13	-10	LV
5/20/24	6:50	275,030	160	162	162	-11	-11	NP
5/21/24	6:50	318,397	233	176	175	-8	-7	NP
5/22/24	6:55	210,553	168	178	178	-10	-10	NP
5/23/24	6:50	361,221	132	156	155	-12	-11	NP
5/24/24	7:02	289,610	173	162	161	-10	-10	KG
5/25/24	7:09	318,543	210	160	160	-2	-2	KG
5/26/24	7:02	324,209	233	174	174	-3	-2	KG
5/27/24	7:00	335,788	216	162	162	-2	-2	NP
5/28/24	6:50	299,095	236	170	169	-3	-2	NP
5/29/24	6:50	318,555	285	168	167	-4	-4	NP
5/30/24	7:00	189,948	152	158	158	-4	-3	EV
5/31/24	7:00	312,339	79	180	174	-9	-10	LV
<b>High</b>		<b>449,254</b>	<b>455</b>	<b>183</b>	<b>185</b>	<b>0</b>	<b>2</b>	
<b>Low</b>		<b>183,859</b>	<b>79</b>	<b>152</b>	<b>155</b>	<b>-13</b>	<b>-13</b>	
<b>Average</b>		<b>302,445</b>	<b>214</b>	<b>168</b>	<b>168</b>	<b>-6</b>	<b>-6</b>	

**DISPOSAL WELL #10 DAILY READINGS**

**UIC Permit No.: KS-01-173-010**

**May 2024**

Date	Time of Reading	Daily Injection Volume (864,000 gallons max.)	Injection Rate	Gauge Annulus Pressure (>130 psig)	Continuous Recorder Annulus Pressure (>130 psig)	Gauge Injection Pressure (<20 psig)	Continuous Recorder Injection Pressure (<20 psig)	Initials of Person Collecting Field Readings
	24-hour	gpd	gpm	psig	psig	psig	psig	
5/1/24	7:07	560,335	409	170	170	-15	-15	KG
5/2/24	6:54	547,318	399	170	170	-15	-14	KG
5/3/24	7:02	586,316	390	170	171	-15	-15	EV
5/4/24	6:55	595,947	429	170	172	-10	-11	EV
5/5/24	6:58	600,732	415	174	174	-13	-14	EV
5/6/24	6:50	549,542	413	172	174	-15	-15	NP/BR
5/7/24	6:55	569,799	401	172	174	-15	-15	NP/BR
5/8/24	7:00	519,248	394	176	176	-12	-12	NP/BR
5/9/24	7:00	506,895	340	178	178	-13	-12	NP/BR
5/10/24	6:58	552,277	388	162	162	-11	-11	AB
5/11/24	7:00	548,778	397	160	162	-12	-14	AB
5/12/24	6:53	541,224	425	162	162	-13	-13	AB
5/13/24	6:53	533,294	384	164	165	-12	-12	EV
5/14/24	6:53	534,552	399	162	165	-14	-14	EV
5/15/24	6:56	590,737	412	170	171	-15	-15	EV
5/16/24	8:05	623,690	313	162	165	-15	-15	EV
5/17/24	7:30	650,252	421	164	165	-15	-15	LV
5/18/24	6:50	640,819	470	162	166	-14	-15	LV
5/19/24	6:50	603,822	416	160	165	-9	-9	LV
5/20/24	6:50	439,396	399	166	166	-10	-10	NP
5/21/24	6:50	536,721	394	166	166	-8	-7	NP
5/22/24	6:55	554,761	411	166	167	-15	-15	NP
5/23/24	6:50	537,392	340	169	169	-6	-6	NP
5/24/24	7:02	570,387	407	164	164	-14	-14	KG
5/25/24	7:09	496,295	343	166	167	-9	-8	KG
5/26/24	7:02	494,484	340	166	167	-5	-5	KG
5/27/24	7:00	511,038	349	168	168	-8	-8	NP
5/28/24	6:50	575,677	361	166	167	-8	-8	NP
5/29/24	6:50	446,785	294	168	167	-5	-5	NP
5/30/24	7:00	571,444	359	168	170	-10	-10	EV
5/31/24	7:00	510,551	353	170	170	-15	-15	LV
<b>High</b>		<b>650,252</b>	<b>470</b>	<b>178</b>	<b>178</b>	<b>-5</b>	<b>-5</b>	
<b>Low</b>		<b>439,396</b>	<b>294</b>	<b>160</b>	<b>162</b>	<b>-15</b>	<b>-15</b>	
<b>Average</b>		<b>551,629</b>	<b>386</b>	<b>167</b>	<b>168</b>	<b>-12</b>	<b>-12</b>	

**DISPOSAL WELL #11 DAILY READINGS**

**UIC Permit No.: KS-01-173-011**

**May 2024**

Date	Time of Reading	Daily Injection Volume (864,000 gallons max.)	Injection Rate	Gauge Annulus Pressure (>130 psig)	Continuous Recorder Annulus Pressure (>130 psig)	Gauge Injection Pressure (<20 psig)	Continuous Recorder Injection Pressure (<20 psig)	Initials of Person Collecting Field Readings
	24-hour	gpd	gpm	psig	psig	psig	psig	
5/1/24	7:07	467,471	306	172	170	-5	-4	KG
5/2/24	6:54	475,133	334	178	178	-5	-4	KG
5/3/24	7:02	441,516	307	164	164	-10	-12	EV
5/4/24	6:55	469,878	303	160	163	-8	-9	EV
5/5/24	6:58	493,445	332	164	163	-5	-4	EV
5/6/24	6:50	546,032	389	170	171	-5	-6	NP/BR
5/7/24	6:55	625,398	455	170	171	-9	-10	NP/BR
5/8/24	7:00	421,999	363	168	170	-8	-10	NP/BR
5/9/24	7:00	521,831	368	161	161	-8	-10	NP/BR
5/10/24	6:58	492,234	362	166	164	-10	-11	AB
5/11/24	7:00	411,465	290	166	166	-12	-14	AB
5/12/24	6:53	495,147	287	166	165	-12	-14	AB
5/13/24	6:53	512,776	372	160	163	-6	-7	EV
5/14/24	6:53	478,673	345	162	164	-6	-7	EV
5/15/24	6:56	504,855	310	164	165	-4	-5	EV
5/16/24	8:05	629,787	392	170	171	-13	-15	EV
5/17/24	7:30	550,004	359	170	169	-4	-5	LV
5/18/24	6:50	503,316	371	175	172	-11	-9	LV
5/19/24	6:50	528,981	351	175	173	-5	-6	LV
5/20/24	6:50	381,835	181	166	165	-12	-15	NP
5/21/24	6:50	467,407	362	173	173	-12	-14	NP
5/22/24	6:55	526,511	383	168	168	-8	-9	NP
5/23/24	6:50	508,917	349	156	156	-12	-14	NP
5/24/24	7:02	354,022	252	168	166	-12	-14	KG
5/25/24	7:09	353,765	243	174	174	-12	-14	KG
5/26/24	7:02	450,383	312	174	174	-7	-8	KG
5/27/24	7:00	455,098	307	164	166	-6	-7	NP
5/28/24	6:50	489,983	329	172	170	-5	-6	NP
5/29/24	6:50	469,433	327	168	168	-4	-4	NP
5/30/24	7:00	492,937	359	172	171	-5	-6	EV
5/31/24	7:00	458,661	328	172	171	-8	-9	LV
<b>High</b>		<b>629,787</b>	<b>455</b>	<b>178</b>	<b>178</b>	<b>-4</b>	<b>-4</b>	
<b>Low</b>		<b>353,765</b>	<b>181</b>	<b>156</b>	<b>156</b>	<b>-13</b>	<b>-15</b>	
<b>Average</b>		<b>483,190</b>	<b>333</b>	<b>168</b>	<b>168</b>	<b>-8</b>	<b>-9</b>	





**ANNULUS OIL REPORT**

Date	Seal Pot Fluid Level (level in inches)				
	DW #3	DW #8	DW #9	DW #10	DW #11
5/1/24	17	14	13	33	19
5/2/24	16	15	13	35	20
5/3/24	13	16	14	33	17
5/4/24	13	15	12	29	14
5/5/24	15	15	14	28	16
5/6/24	15	15	13	28	15
5/7/24	12	15	13	28	15
5/8/24	13	18	14	27	17
5/9/24	11	20	13	28	19
5/10/24	11	18	14	28	17
5/11/24	13	18	15	28	17
5/12/24	18	18	14	28	19
5/13/24	15	15	12	29	17
5/14/24	18	16	16	27	17
5/15/24	16	16	14	30	17
5/16/24	17	17	10	32	13
5/17/24	16	16	10	26	17
5/18/24	19	16	17	30	18
5/19/24	18	14	16	29	17
5/20/24	14	16	13	28	16
5/21/24	16	17	15	29	18
5/22/24	20	17	17	28	18
5/23/24	16	17	13	28	20
5/24/24	20	17	18	29	19
5/25/24	18	16	17	29	19
5/26/24	15	17	14	30	19
5/27/24	19	17	16	28	21
5/28/24	20	17	21	28	21
5/29/24	20	17	21	28	20
5/30/24	18	17	10	28	19
5/31/24	21	17	14	29	17

**Annulus Oil Additions**

Date	DW #	Gallons Added

\* There were no annulus oil additions in May 2024



**Pace Analytical Services, Inc.**  
**Kansas Laboratory Certification No. E-10116**  
**Oxychem Disposal Well Analysis**

**Sampling Period:**

4/29/2024 to  
5/5/2024

<b>Parameter</b>		<b>DW #3</b>	<b>DW #8</b>	<b>DW #9</b>	<b>DW #10</b>	<b>DW #11</b>
<b>pH Permit Limit:</b>		<b>&gt;=4.0</b>	<b>Monitor</b>	<b>Monitor</b>	<b>Monitor</b>	<b>Monitor</b>
DICHLORODIFLUOROMETHANE	ug/L	< 2	< 50	< 100	< 5	< 2
CHLOROMETHANE	ug/L	521	43000	100000	808	520
VINYL CHLORIDE	ug/L	< 2	< 50	< 100	< 5	< 2
BROMOMETHANE	ug/L	< 4	295	659	< 10	< 4
CHLOROETHANE	ug/L	< 2	< 50	< 100	< 5	< 2
TRICHLOROFLUOROMETHANE	ug/L	< 2	< 50	< 100	8.65	< 2
1,1-DICHLOROETHENE	ug/L	< 2	< 50	< 100	5.2	< 2
METHYLENE CHLORIDE	ug/L	< 20	1400	4790	95.8	< 20
TRANS-1,2-DICHLOROETHYLENE	ug/L	< 2	< 50	< 100	< 5	< 2
1,1-DICHLOROETHANE	ug/L	< 2	< 50	< 100	< 5	< 2
CIS-1,2-DICHLOROETHYLENE	ug/L	< 2	< 50	< 100	< 5	< 2
CHLOROFORM	ug/L	356	677	1470	580	61
1,1,1-TRICHLOROETHANE	ug/L	< 2	< 50	< 100	8.75	< 2
CARBON TETRACHLORIDE	ug/L	< 2	500	1770	512	< 2
BENZENE	ug/L	< 2	< 50	< 100	16	< 2
1,2-DICHLOROETHANE	ug/L	< 2	< 50	< 100	35.8	< 2
TRICHLOROETHYLENE	ug/L	< 2	< 50	< 100	52.1	< 2
1,2-DICHLOROPROPANE	ug/L	< 2	< 50	< 100	64.2	< 2
BROMODICHLOROMETHANE	ug/L	11.5	< 50	< 100	16.9	7.94
TRANS-1,3-DICHLOROPROPENE	ug/L	< 2	< 50	< 100	< 5	< 2
CIS-1,3-DICHLOROPROPENE	ug/L	< 2	< 50	< 100	< 5	< 2
1,1,2-TRICHLOROETHANE	ug/L	< 2	< 50	< 100	< 5	< 2
TETRACHLOROETHYLENE	ug/L	< 2	< 50	< 100	624	< 2
DIBROMOCHLOROMETHANE	ug/L	37	< 50	< 100	24	14.9
CHLOROBENZENE	ug/L	< 2	< 50	< 100	5.85	< 2
BROMOFORM	ug/L	193	< 50	< 100	33	39.3
1,1,2,2-TETRACHLOROETHANE	ug/L	< 2	< 50	< 100	< 5	< 2
PHENOL	ug/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
ORTHO-CHLOROPHENOL	ug/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
2,4-DICHLOROPHENOL	ug/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
PARA-CHLOROPHENOL	ug/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
2,6-DICHLOROPHENOL	ug/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
2,4,6-TRICHLOROPHENOL	ug/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
2,4,5-TRICHLOROPHENOL	ug/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
2,3,4-TRICHLOROPHENOL	ug/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
3,4-DICHLOROPHENOL	ug/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
2,3,5,6-TETRACHLOROPHENOL	ug/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
2,3,4,6-TETRACHLOROPHENOL	ug/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
3,4,5-TRICHLOROPHENOL	ug/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
PENTACHLOROPHENOL	ug/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
HEXACHLOROETHANE	ug/L	< 0.19	2.37	9.62	7.17	0.455
HEXACHLOROBUTADIENE	ug/L	< 0.19	0.399	0.504	5.73	0.494
HEXACHLOROENZENE	ug/L	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97
A-HEXACHLOROCYCLOHEXANE	ug/L	< 0.11	< 0.11	< 0.11	< 0.11	1.78
G-HEXACHLOROCYCLOHEXANE	ug/L	< 0.52	< 0.52	< 0.52	< 0.52	1.5
B-HEXACHLOROCYCLOHEXANE	ug/L	< 0.36	< 0.36	< 0.36	< 0.36	1.17
D-HEXACHLOROCYCLOHEXANE	ug/L	< 0.1	< 0.1	< 0.1	< 0.1	1.74
ANTIMONY	mg/L	< 1.05	< 0.522	< 0.522	< 0.522	< 0.522
TOTAL CHROMIUM	mg/L	< 0.121	0.071	0.091	< 0.06	0.364

<i>Parameter</i>		<i>DW #3</i>	<i>DW #8</i>	<i>DW #9</i>	<i>DW #10</i>	<i>DW #11</i>
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*pH Permit Limit:*

*>=4.0*

*Monitor*

*Monitor*

*Monitor*

*Monitor*

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PH	SU	9.52	< 2	< 2	12.1	12.2
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**Pace Analytical Services, Inc.**  
**Kansas Laboratory Certification No. E-10116**  
**Oxychem Disposal Well Analysis**

**Sampling Period:**

5/6/2024 to  
5/12/2024

<b>Parameter</b>		<b>DW #3</b>	<b>DW #8</b>	<b>DW #9</b>	<b>DW #10</b>	<b>DW #11</b>
<b>pH Permit Limit:</b>		<b>&gt;=4.0</b>	<b>Monitor</b>	<b>Monitor</b>	<b>Monitor</b>	<b>Monitor</b>
DICHLORODIFLUOROMETHANE	ug/L	< 2	< 40	< 400	< 5	< 2
CHLOROMETHANE	ug/L	1280	6950	44500	433	560
VINYL CHLORIDE	ug/L	< 2	< 40	< 400	6.7	< 2
BROMOMETHANE	ug/L	15.1	108	< 800	< 10	7.44
CHLOROETHANE	ug/L	< 2	< 40	< 400	< 5	< 2
TRICHLOROFLUOROMETHANE	ug/L	< 2	< 40	< 400	42.4	< 2
1,1-DICHLOROETHENE	ug/L	< 2	< 40	< 400	40.3	< 2
METHYLENE CHLORIDE	ug/L	< 20	< 400	< 4000	309	< 20
TRANS-1,2-DICHLOROETHYLENE	ug/L	< 2	< 40	< 400	< 5	< 2
1,1-DICHLOROETHANE	ug/L	< 2	< 40	< 400	17.2	< 2
CIS-1,2-DICHLOROETHYLENE	ug/L	< 2	< 40	< 400	24.4	< 2
CHLOROFORM	ug/L	19.3	828	1410	3900	247
1,1,1-TRICHLOROETHANE	ug/L	< 2	< 40	< 400	36.6	< 2
CARBON TETRACHLORIDE	ug/L	< 2	239	1810	5360	< 2
BENZENE	ug/L	< 2	< 40	< 400	44.6	< 2
1,2-DICHLOROETHANE	ug/L	< 2	< 40	< 400	115	< 2
TRICHLOROETHYLENE	ug/L	< 2	< 40	< 400	242	< 2
1,2-DICHLOROPROPANE	ug/L	< 2	< 40	< 400	268	< 2
BROMODICHLOROMETHANE	ug/L	16	60.4	< 400	11.4	30.9
TRANS-1,3-DICHLOROPROPENE	ug/L	< 2	< 40	< 400	< 5	< 2
CIS-1,3-DICHLOROPROPENE	ug/L	< 2	< 40	< 400	< 5	< 2
1,1,2-TRICHLOROETHANE	ug/L	< 2	< 40	< 400	5.7	< 2
TETRACHLOROETHYLENE	ug/L	< 2	< 40	< 400	4000	< 2
DIBROMOCHLOROMETHANE	ug/L	19.7	141	< 400	13	32.1
CHLOROBENZENE	ug/L	< 2	< 40	< 400	9.3	< 2
BROMOFORM	ug/L	43.5	283	< 400	11.5	61.4
1,1,2,2-TETRACHLOROETHANE	ug/L	< 2	< 40	< 400	< 5	< 2
PHENOL	ug/L	< 1.4	< 1.4	< 1.3	< 1.5	< 1.4
ORTHO-CHLOROPHENOL	ug/L	< 1.4	< 1.4	< 1.3	< 1.5	< 1.4
2,4-DICHLOROPHENOL	ug/L	< 1.4	< 1.4	< 1.3	5.1	< 1.4
PARA-CHLOROPHENOL	ug/L	< 1.4	< 1.4	< 1.3	< 1.5	< 1.4
2,6-DICHLOROPHENOL	ug/L	< 1.4	< 1.4	< 1.3	< 1.5	< 1.4
2,4,6-TRICHLOROPHENOL	ug/L	< 1.4	< 1.4	< 1.3	7.1	< 1.4
2,4,5-TRICHLOROPHENOL	ug/L	< 1.4	< 1.4	< 1.3	< 1.5	< 1.4
2,3,4-TRICHLOROPHENOL	ug/L	< 1.4	< 1.4	< 1.3	< 1.5	< 1.4
3,4-DICHLOROPHENOL	ug/L	< 1.4	< 1.4	< 1.3	< 1.5	< 1.4
2,3,5,6-TETRACHLOROPHENOL	ug/L	< 1.4	< 1.4	< 1.3	< 1.5	< 1.4
2,3,4,6-TETRACHLOROPHENOL	ug/L	< 1.4	< 1.4	< 1.3	5.9	< 1.4
3,4,5-TRICHLOROPHENOL	ug/L	< 1.4	< 1.4	< 1.3	< 1.5	< 1.4
PENTACHLOROPHENOL	ug/L	< 1.4	< 1.4	< 1.3	9.9	< 1.4
HEXACHLOROETHANE	ug/L	< 0.19	< 0.19	1.62	4.37	< 0.19
HEXACHLOROBUTADIENE	ug/L	< 0.19	< 0.19	< 0.19	3.52	< 0.19
HEXACHLOROENZENE	ug/L	< 0.97	< 0.97	1.24	< 0.97	< 0.97
A-HEXACHLOROCYCLOHEXANE	ug/L	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
G-HEXACHLOROCYCLOHEXANE	ug/L	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52
B-HEXACHLOROCYCLOHEXANE	ug/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
D-HEXACHLOROCYCLOHEXANE	ug/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ANTIMONY	mg/L	< 1.04	< 0.524	< 0.522	< 0.522	< 0.522
TOTAL CHROMIUM	mg/L	< 0.12	< 0.06	0.06	< 0.06	< 0.06

*Parameter*  
*pH Permit Limit:*

		<i>DW #3</i> <i>&gt;=4.0</i>	<i>DW #8</i> <i>Monitor</i>	<i>DW #9</i> <i>Monitor</i>	<i>DW #10</i> <i>Monitor</i>	<i>DW #11</i> <i>Monitor</i>
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PH	SU	9.18	8.12	< 2	5.66	2.06
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**Pace Analytical Services, Inc.**  
**Kansas Laboratory Certification No. E-10116**  
**Oxychem Disposal Well Analysis**

**Sampling Period:**

5/13/2024 to  
5/19/2024

<b>Parameter</b>		<b>DW #3</b>	<b>DW #8</b>	<b>DW #9</b>	<b>DW #10</b>	<b>DW #11</b>
<b>pH Permit Limit:</b>		<b>&gt;=4.0</b>	<b>Monitor</b>	<b>Monitor</b>	<b>Monitor</b>	<b>Monitor</b>
DICHLORODIFLUOROMETHANE	ug/L	< 2	< 50	< 100	< 20	< 2
CHLOROMETHANE	ug/L	4660	55900	272000	7740	3730
VINYL CHLORIDE	ug/L	< 2	< 50	< 100	< 20	< 2
BROMOMETHANE	ug/L	19	< 100	408	< 40	8.52
CHLOROETHANE	ug/L	< 2	< 50	< 100	< 20	< 2
TRICHLOROFLUOROMETHANE	ug/L	< 2	< 50	< 100	20.4	< 2
1,1-DICHLOROETHENE	ug/L	< 2	< 50	< 100	31.6	< 2
METHYLENE CHLORIDE	ug/L	81.1	968	2410	250	49.8
TRANS-1,2-DICHLOROETHYLENE	ug/L	< 2	< 50	< 100	< 20	< 2
1,1-DICHLOROETHANE	ug/L	< 2	< 50	< 100	< 20	< 2
CIS-1,2-DICHLOROETHYLENE	ug/L	< 2	< 50	< 100	< 20	< 2
CHLOROFORM	ug/L	181	548	742	2500	2130
1,1,1-TRICHLOROETHANE	ug/L	< 2	< 50	< 100	< 20	< 2
CARBON TETRACHLORIDE	ug/L	< 2	276	334	3010	3.02
BENZENE	ug/L	< 2	< 50	< 100	35.8	< 2
1,2-DICHLOROETHANE	ug/L	< 2	< 50	< 100	83	< 2
TRICHLOROETHYLENE	ug/L	< 2	< 50	< 100	177	< 2
1,2-DICHLOROPROPANE	ug/L	< 2	< 50	< 100	200	< 2
BROMODICHLOROMETHANE	ug/L	270	< 50	< 100	47.4	79.7
TRANS-1,3-DICHLOROPROPENE	ug/L	< 2	< 50	< 100	< 20	< 2
CIS-1,3-DICHLOROPROPENE	ug/L	< 2	< 50	< 100	< 20	< 2
1,1,2-TRICHLOROETHANE	ug/L	< 2	< 50	< 100	< 20	< 2
TETRACHLOROETHYLENE	ug/L	< 2	< 50	< 100	2280	< 2
DIBROMOCHLOROMETHANE	ug/L	276	< 50	< 100	52.4	75.8
CHLOROBENZENE	ug/L	< 2	< 50	< 100	< 20	< 2
BROMOFORM	ug/L	174	< 50	< 100	51.4	122
1,1,2,2-TETRACHLOROETHANE	ug/L	< 2	< 50	< 100	< 20	< 2
PHENOL	ug/L	< 1.3	< 1.2	< 1.2	< 1.3	< 1.4
ORTHO-CHLOROPHENOL	ug/L	< 1.3	< 1.2	< 1.2	< 1.3	< 1.4
2,4-DICHLOROPHENOL	ug/L	< 1.3	< 1.2	< 1.2	6.4	< 1.4
PARA-CHLOROPHENOL	ug/L	< 1.3	< 1.2	< 1.2	< 1.3	< 1.4
2,6-DICHLOROPHENOL	ug/L	< 1.3	< 1.2	< 1.2	< 1.3	< 1.4
2,4,6-TRICHLOROPHENOL	ug/L	< 1.3	< 1.2	< 1.2	7.2	< 1.4
2,4,5-TRICHLOROPHENOL	ug/L	< 1.3	< 1.2	< 1.2	< 1.3	< 1.4
2,3,4-TRICHLOROPHENOL	ug/L	< 1.3	< 1.2	< 1.2	< 1.3	< 1.4
3,4-DICHLOROPHENOL	ug/L	< 1.3	< 1.2	< 1.2	< 1.3	< 1.4
2,3,5,6-TETRACHLOROPHENOL	ug/L	< 1.3	< 1.2	< 1.2	< 1.3	< 1.4
2,3,4,6-TETRACHLOROPHENOL	ug/L	< 1.3	< 1.2	< 1.2	6.8	< 1.4
3,4,5-TRICHLOROPHENOL	ug/L	< 1.3	< 1.2	< 1.2	< 1.3	< 1.4
PENTACHLOROPHENOL	ug/L	< 1.3	< 1.2	< 1.2	35.1	< 1.4
HEXACHLOROETHANE	ug/L	< 0.76	0.57	15.7	14.3	< 0.19
HEXACHLOROBUTADIENE	ug/L	< 0.76	< 0.19	0.468	12.1	< 0.19
HEXACHLOROENZENE	ug/L	< 3.88	< 0.97	7.8	< 3.88	< 0.97
A-HEXACHLOROCYCLOHEXANE	ug/L	< 0.44	< 0.11	< 0.11	< 0.44	< 0.11
G-HEXACHLOROCYCLOHEXANE	ug/L	< 2.08	< 0.52	< 0.52	< 2.08	< 0.52
B-HEXACHLOROCYCLOHEXANE	ug/L	< 1.44	< 0.36	< 0.36	< 1.44	0.638
D-HEXACHLOROCYCLOHEXANE	ug/L	< 0.4	< 0.1	< 0.1	< 0.4	0.526
ANTIMONY	mg/L	< 1.05	< 0.522	< 0.522	< 0.524	< 0.524
TOTAL CHROMIUM	mg/L	< 0.121	< 0.06	< 0.06	< 0.06	< 0.06

*Parameter*  
*pH Permit Limit:*

*DW #3*    *DW #8*    *DW #9*    *DW #10*    *DW #11*  
*>=4.0*    *Monitor*    *Monitor*    *Monitor*    *Monitor*

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PH	SU	9.03	11	< 2	8.72	12.3
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**Pace Analytical Services, Inc.**  
**Kansas Laboratory Certification No. E-10116**  
**Oxychem Disposal Well Analysis**

**Sampling Period:**

5/20/2024 to  
5/26/2024

<b>Parameter</b>		<b>DW #3</b>	<b>DW #8</b>	<b>DW #9</b>	<b>DW #10</b>	<b>DW #11</b>
<b>pH Permit Limit:</b>		<b>&gt;=4.0</b>	<b>Monitor</b>	<b>Monitor</b>	<b>Monitor</b>	<b>Monitor</b>
DICHLORODIFLUOROMETHANE	ug/L	< 2	< 50	< 100	< 20	< 2
CHLOROMETHANE	ug/L	17400	144000	318000	6110	7420
VINYL CHLORIDE	ug/L	< 2	< 50	< 100	< 20	< 2
BROMOMETHANE	ug/L	104	284	530	< 40	11.8
CHLOROETHANE	ug/L	< 2	< 50	< 100	< 20	< 2
TRICHLOROFLUOROMETHANE	ug/L	< 2	< 50	< 100	26.4	< 2
1,1-DICHLOROETHENE	ug/L	< 2	< 50	< 100	46.4	< 2
METHYLENE CHLORIDE	ug/L	415	3740	7070	307	89.2
TRANS-1,2-DICHLOROETHYLENE	ug/L	< 2	< 50	< 100	< 20	< 2
1,1-DICHLOROETHANE	ug/L	< 2	< 50	< 100	< 20	< 2
CIS-1,2-DICHLOROETHYLENE	ug/L	< 2	< 50	< 100	24.2	< 2
CHLOROFORM	ug/L	36.3	1120	1970	3210	75.7
1,1,1-TRICHLOROETHANE	ug/L	< 2	< 50	< 100	33.4	< 2
CARBON TETRACHLORIDE	ug/L	< 2	237	642	4090	< 2
BENZENE	ug/L	< 2	< 50	< 100	48.8	< 2
1,2-DICHLOROETHANE	ug/L	< 2	55	< 100	112	< 2
TRICHLOROETHYLENE	ug/L	< 2	< 50	< 100	273	< 2
1,2-DICHLOROPROPANE	ug/L	< 2	< 50	< 100	302	< 2
BROMODICHLOROMETHANE	ug/L	21	< 50	< 100	< 20	7.32
TRANS-1,3-DICHLOROPROPENE	ug/L	< 2	< 50	< 100	< 20	< 2
CIS-1,3-DICHLOROPROPENE	ug/L	< 2	< 50	< 100	< 20	< 2
1,1,2-TRICHLOROETHANE	ug/L	< 2	< 50	< 100	< 20	< 2
TETRACHLOROETHYLENE	ug/L	< 2	< 50	< 100	3480	< 2
DIBROMOCHLOROMETHANE	ug/L	117	< 50	< 100	< 20	7.78
CHLOROBENZENE	ug/L	< 2	< 50	< 100	< 20	< 2
BROMOFORM	ug/L	271	< 50	< 100	< 20	16.1
1,1,2,2-TETRACHLOROETHANE	ug/L	< 2	< 50	< 100	< 20	< 2
PHENOL	ug/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.1
ORTHO-CHLOROPHENOL	ug/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.1
2,4-DICHLOROPHENOL	ug/L	< 1.2	< 1.2	< 1.2	15.4	< 1.1
PARA-CHLOROPHENOL	ug/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.1
2,6-DICHLOROPHENOL	ug/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.1
2,4,6-TRICHLOROPHENOL	ug/L	< 1.2	< 1.2	< 1.2	14.5	< 1.1
2,4,5-TRICHLOROPHENOL	ug/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.1
2,3,4-TRICHLOROPHENOL	ug/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.1
3,4-DICHLOROPHENOL	ug/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.1
2,3,5,6-TETRACHLOROPHENOL	ug/L	< 1.2	< 1.2	< 1.2	13.2	< 1.1
2,3,4,6-TETRACHLOROPHENOL	ug/L	< 1.2	< 1.2	< 1.2	14.7	< 1.1
3,4,5-TRICHLOROPHENOL	ug/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.1
PENTACHLOROPHENOL	ug/L	< 1.2	< 1.2	< 1.2	78.6	< 1.1
HEXACHLOROETHANE	ug/L	< 0.76	1.71	3.01	42.2	< 0.76
HEXACHLOROBUTADIENE	ug/L	< 0.76	< 0.76	< 0.76	30.6	< 0.76
HEXACHLOROENZENE	ug/L	< 3.88	< 3.88	22.3	< 3.88	< 3.88
A-HEXACHLOROCYCLOHEXANE	ug/L	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44
G-HEXACHLOROCYCLOHEXANE	ug/L	< 2.08	< 2.08	< 2.08	< 2.08	< 2.08
B-HEXACHLOROCYCLOHEXANE	ug/L	< 1.44	< 1.44	< 1.44	< 1.44	< 1.44
D-HEXACHLOROCYCLOHEXANE	ug/L	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
ANTIMONY	mg/L	< 1.05	< 0.522	< 0.522	< 0.524	< 0.52
TOTAL CHROMIUM	mg/L	< 0.121	< 0.06	< 0.06	< 0.06	< 0.06

*Parameter*  
*pH Permit Limit:*

*DW #3*    *DW #8*    *DW #9*    *DW #10*    *DW #11*  
*>=4.0*    *Monitor*    *Monitor*    *Monitor*    *Monitor*

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PH	SU	9.6	12.8	< 2	11.6	12.2
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**Pace Analytical Services, Inc.**  
**Kansas Laboratory Certification No. E-10116**  
**Oxychem Disposal Well Analysis**

**Sampling Period:**

5/27/2024 to  
6/2/2024

<b>Parameter</b>		<b>DW #3</b>	<b>DW #8</b>	<b>DW #9</b>	<b>DW #10</b>	<b>DW #11</b>
<b>pH Permit Limit:</b>		<b>&gt;=4.0</b>	<b>Monitor</b>	<b>Monitor</b>	<b>Monitor</b>	<b>Monitor</b>
DICHLORODIFLUOROMETHANE	ug/L	< 50	< 400	< 400	< 20	< 2
CHLOROMETHANE	ug/L	6760	132000	436000	1960	4330
VINYL CHLORIDE	ug/L	< 50	< 400	< 400	< 20	< 2
BROMOMETHANE	ug/L	< 100	< 800	< 800	< 40	5.66
CHLOROETHANE	ug/L	< 50	< 400	< 400	< 20	< 2
TRICHLOROFLUOROMETHANE	ug/L	< 50	< 400	< 400	25	< 2
1,1-DICHLOROETHENE	ug/L	< 50	< 400	< 400	40	< 2
METHYLENE CHLORIDE	ug/L	< 500	19100	69800	266	71.7
TRANS-1,2-DICHLOROETHYLENE	ug/L	< 50	< 400	< 400	< 20	< 2
1,1-DICHLOROETHANE	ug/L	< 50	< 400	< 400	< 20	< 2
CIS-1,2-DICHLOROETHYLENE	ug/L	< 50	< 400	< 400	22.4	< 2
CHLOROFORM	ug/L	67	2800	5380	3130	92.8
1,1,1-TRICHLOROETHANE	ug/L	< 50	< 400	< 400	31.8	< 2
CARBON TETRACHLORIDE	ug/L	< 50	800	1260	3850	< 2
BENZENE	ug/L	< 50	< 400	< 400	38.8	< 2
1,2-DICHLOROETHANE	ug/L	< 50	< 400	< 400	116	< 2
TRICHLOROETHYLENE	ug/L	< 50	< 400	< 400	248	< 2
1,2-DICHLOROPROPANE	ug/L	< 50	< 400	< 400	294	< 2
BROMODICHLOROMETHANE	ug/L	56	< 400	< 400	< 20	19.4
TRANS-1,3-DICHLOROPROPENE	ug/L	< 50	< 400	< 400	< 20	< 2
CIS-1,3-DICHLOROPROPENE	ug/L	< 50	< 400	< 400	< 20	< 2
1,1,2-TRICHLOROETHANE	ug/L	< 50	< 400	< 400	< 20	< 2
TETRACHLOROETHYLENE	ug/L	< 50	< 400	< 400	2890	< 2
DIBROMOCHLOROMETHANE	ug/L	117	< 400	< 400	40.6	43.5
CHLOROBENZENE	ug/L	< 50	< 400	< 400	< 20	< 2
BROMOFORM	ug/L	202	< 400	< 400	54	106
1,1,2,2-TETRACHLOROETHANE	ug/L	< 50	< 400	< 400	< 20	< 2
PHENOL	ug/L	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2
ORTHO-CHLOROPHENOL	ug/L	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2
2,4-DICHLOROPHENOL	ug/L	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2
PARA-CHLOROPHENOL	ug/L	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2
2,6-DICHLOROPHENOL	ug/L	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2
2,4,6-TRICHLOROPHENOL	ug/L	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2
2,4,5-TRICHLOROPHENOL	ug/L	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2
2,3,4-TRICHLOROPHENOL	ug/L	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2
3,4-DICHLOROPHENOL	ug/L	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2
2,3,5,6-TETRACHLOROPHENOL	ug/L	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2
2,3,4,6-TETRACHLOROPHENOL	ug/L	< 1.2	< 1.1	< 1.2	9.9	< 1.2
3,4,5-TRICHLOROPHENOL	ug/L	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2
PENTACHLOROPHENOL	ug/L	< 1.2	< 1.1	< 1.2	50.2	< 1.2
HEXACHLOROETHANE	ug/L	< 0.76	5.94	4.3	27.4	< 0.76
HEXACHLOROBUTADIENE	ug/L	< 0.76	2.19	< 0.76	23.9	< 0.76
HEXACHLOROENZENE	ug/L	< 3.88	< 3.88	< 3.88	< 3.88	< 3.88
A-HEXACHLOROCYCLOHEXANE	ug/L	< 0.44	< 0.44	0.825	< 0.44	< 0.44
G-HEXACHLOROCYCLOHEXANE	ug/L	< 2.08	< 2.08	< 2.08	< 2.08	< 2.08
B-HEXACHLOROCYCLOHEXANE	ug/L	< 1.44	< 1.44	< 1.44	< 1.44	< 1.44
D-HEXACHLOROCYCLOHEXANE	ug/L	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
ANTIMONY	mg/L	< 1.04	< 0.52	< 0.52	< 0.522	< 0.522
TOTAL CHROMIUM	mg/L	< 0.12	< 0.06	0.074	< 0.06	< 0.06

*Parameter*  
*pH Permit Limit:*

*DW #3*    *DW #8*    *DW #9*    *DW #10*    *DW #11*  
*>=4.0*    *Monitor*    *Monitor*    *Monitor*    *Monitor*

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PH	SU	8.91	< 2	< 2	11.4	12
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## *Specific Gravity Weighted Average*

			<i>Avg Flow</i>	<i>Avg SPG</i>	<i>LBS</i>
DW #3	3/2/2024	3/8/2024	110.3	1.090285714	10109797
DW #8			262.3	1.037	22866707
DW #9			234.1	1.026714286	20205872
<i>Total</i>			606.7		53182376
DW #3	3/9/2024	3/15/2024	111.6	1.100857143	10328131
DW #8			259.5	1.024857143	22357708
DW #9			215.3	1.017857143	18422877
<i>Total</i>			586.4		51108715
DW #3	3/16/2024	3/22/2024	109.8	1.088857143	10050781
DW #8			233.1	1.04	20379907
DW #9			199	1.033571429	17291002
<i>Total</i>			541.9		47721690
DW #3	3/23/2024	3/29/2024	135.3	1.089142857	12388229
DW #8			229.3	1.033714286	19926506
DW #9			164.5	1.030285714	14247877
<i>Total</i>			529.1		46562612
DW #3	3/30/2024	4/5/2024	99.9	1.144857143	9614869
DW #8			185.5	1.032285714	16097944
DW #9			190.9	1.050285714	16855435
<i>Total</i>			476.3		42568248
DW #3	4/6/2024	4/12/2024	116.2	1.131714286	11055274
DW #8			207.4	1.035428571	18053253
DW #9			194.6	1.044285714	17083968
<i>Total</i>			518.2		46192496
DW #3	4/13/2024	4/19/2024	120	1.095142857	11047871
DW #8			219.1	1.045285714	19253247
DW #9			175.1	1.043	15353134
<i>Total</i>			514.2		45654252
DW #3	4/20/2024	4/26/2024	112	1.088142857	10245438
DW #8			189	1.043285714	16576455
DW #9			188.1	1.041428571	16468152
<i>Total</i>			489.1		43290044
DW #3	4/27/2024	5/3/2024	134.5	1.079	12200294
DW #8			109.2	1.026	9418822
DW #9			138.2	1.032142857	11991526
<i>Total</i>			381.9		33610642
DW #3	5/4/2024	5/10/2024	115.4	1.077857143	10456675
DW #8			95	1.031428571	8237385
DW #9			221.5	1.031857143	19214093
<i>Total</i>			431.9		37908152

			<i>Avg Flow</i>	<i>Avg SPG</i>	<i>LBS</i>
DW #3	5/11/2024	5/17/2024	128.5	1.095428571	11833515
DW #8			105.2	1.032428571	9130663
DW #9			228	1.026571429	19676625
<i>Total</i>			461.7		40640803
DW #3	5/18/2024	5/24/2024	104.1	1.097	9600281
DW #8			208.3	1.019571429	17853917
DW #9			201.6	1.023285714	17342593
<i>Total</i>			514		44796790
DW #3	5/25/2024	5/31/2024	114.1	1.080714286	10366284
DW #8			217.1	1.026428571	18733337
DW #9			208.1	1.034428571	18096691
<i>Total</i>			539.3		47196312
<i>Average of Weekly Totals</i>			507.0	<i>Sum of All LBS</i>	580433134
				<i>Weighted SPG</i>	1.0476

## *Specific Gravity Weighted Average (Range 1.01 - 1.08)*

			<i>Avg Flow</i>	<i>Avg SPG</i>	<i>LBS</i>		
DW #10	3/2/2024	3/8/2024	383.8	1.0189	32873417		
DW #10	3/9/2024	3/15/2024	382.1	0.9979	32053244		
DW #10	3/16/2024	3/22/2024	377.6	1.0081	31999539		
DW #10	3/23/2024	3/29/2024	378.7	1.0117	32209188		
DW #10	3/30/2024	4/5/2024	367	1.0164	31359528		
DW #10	4/6/2024	4/12/2024	345.5	1.0197	29617823		
DW #10	4/13/2024	4/19/2024	416.5	1.0221	35789299		
DW #10	4/20/2024	4/26/2024	383.1	1.0144	32670833		
DW #10	4/27/2024	5/3/2024	381.7	1.0310	33083192		
DW #10	5/4/2024	5/10/2024	386.3	1.0347	33602511		
DW #10	5/11/2024	5/17/2024	399	1.0244	34362216		
DW #10	5/18/2024	5/24/2024	385.2	1.0124	32785156		
DW #10	5/25/2024	5/31/2024	357.7	1.0097	30362954		
<i>Avg Flow</i>			380.3	<i>Sum LBS</i>	422768899	<i>Weighted SPG</i>	1.0171

## *Specific Gravity Weighted Average (Range 1.01 - 1.08)*

			<i>Avg Flow</i>	<i>Avg SPG</i>	<i>LBS</i>		
DW #11	3/2/2024	3/8/2024	327.2	1.0393	28587412		
DW #11	3/9/2024	3/15/2024	321.3	1.0210	27578018		
DW #11	3/16/2024	3/22/2024	322	1.0373	28078949		
DW #11	3/23/2024	3/29/2024	346.8	1.0327	30108274		
DW #11	3/30/2024	4/5/2024	353.6	1.0449	31059593		
DW #11	4/6/2024	4/12/2024	397.1	1.0484	34999780		
DW #11	4/13/2024	4/19/2024	326.4	1.0270	28180402		
DW #11	4/20/2024	4/26/2024	328.7	1.0304	28473718		
DW #11	4/27/2024	5/3/2024	332.7	1.0364	28988034		
DW #11	5/4/2024	5/10/2024	354.2	1.0399	30963413		
DW #11	5/11/2024	5/17/2024	355.4	1.0374	30995754		
DW #11	5/18/2024	5/24/2024	324.5	1.0346	28222908		
DW #11	5/25/2024	5/31/2024	314.5	1.0347	27356950		
			<i>Avg Flow</i>	<i>Sum LBS</i>	<i>Weighted SPG</i>	1.0360	
			338.8	383593204			

## *Specific Gravity Weighted Average*

			<i>Avg Flow</i>	<i>Avg SPG</i>	<i>LBS</i>
DW #3	3/2/2024	3/8/2024	110.3	1.090285714	10109797
DW #8			262.3	1.037	22866707
DW #9			234.1	1.026714286	20205872
DW #10			383.8	1.018857143	32873417
DW #11			327.2	1.039285714	28587412
<i>Total</i>			1317.7		114643204
DW #3	3/9/2024	3/15/2024	111.6	1.100857143	10328131
DW #8			259.5	1.024857143	22357708
DW #9			215.3	1.017857143	18422877
DW #10			382.1	0.997857143	32053244
DW #11			321.3	1.021	27578018
<i>Total</i>			1289.8		110739978
DW #3	3/16/2024	3/22/2024	109.8	1.088857143	10050781
DW #8			233.1	1.04	20379907
DW #9			199	1.033571429	17291002
DW #10			377.6	1.008057143	31999539
DW #11			322	1.037285714	28078949
<i>Total</i>			1241.5		107800178
DW #3	3/23/2024	3/29/2024	135.3	1.089142857	12388229
DW #8			229.3	1.033714286	19926506
DW #9			164.5	1.030285714	14247877
DW #10			378.7	1.011714286	32209188
DW #11			346.8	1.032714286	30108274
<i>Total</i>			1254.6		108880074
DW #3	3/30/2024	4/5/2024	99.9	1.144857143	9614869
DW #8			185.5	1.032285714	16097944
DW #9			190.9	1.050285714	16855435
DW #10			367	1.016428571	31359528
DW #11			353.6	1.044857143	31059593
<i>Total</i>			1196.9		104987368
DW #3	4/6/2024	4/12/2024	116.2	1.131714286	11055274
DW #8			207.4	1.035428571	18053253
DW #9			194.6	1.044285714	17083968
DW #10			345.5	1.019714286	29617823
DW #11			397.1	1.048428571	34999780
<i>Total</i>			1260.8		110810099

			<i>Avg Flow</i>	<i>Avg SPG</i>	<i>LBS</i>
DW #3	4/13/2024	4/19/2024	120	1.095142857	11047871
DW #8			219.1	1.045285714	19253247
DW #9			175.1	1.043	15353134
DW #10			416.5	1.022142857	35789299
DW #11			326.4	1.027	28180402
<i>Total</i>			1257.1		109623952
DW #3	4/20/2024	4/26/2024	112	1.088142857	10245438
DW #8			189	1.043285714	16576455
DW #9			188.1	1.041428571	16468152
DW #10			383.1	1.014428571	32670833
DW #11			328.7	1.030428571	28473718
<i>Total</i>			1200.9		104434595
DW #3	4/27/2024	5/3/2024	134.5	1.079	12200294
DW #8			109.2	1.026	9418822
DW #9			138.2	1.032142857	11991526
DW #10			381.7	1.031	33083192
DW #11			332.7	1.036428571	28988034
<i>Total</i>			1096.3		95681868
DW #3	5/4/2024	5/10/2024	115.4	1.077857143	10456675
DW #8			95	1.031428571	8237385
DW #9			221.5	1.031857143	19214093
DW #10			386.3	1.034714286	33602511
DW #11			354.2	1.039857143	30963413
<i>Total</i>			1172.4		102474076
DW #3	5/11/2024	5/17/2024	128.5	1.095428571	11833515
DW #8			105.2	1.032428571	9130663
DW #9			228	1.026571429	19676625
DW #10			399	1.024428571	34362216
DW #11			355.4	1.037428571	30995754
<i>Total</i>			1216.1		105998774
DW #3	5/18/2024	5/24/2024	104.1	1.097	9600281
DW #8			208.3	1.019571429	17853917
DW #9			201.6	1.023285714	17342593
DW #10			385.2	1.012428571	32785156
DW #11			324.5	1.034571429	28222908
<i>Total</i>			1223.7		105804855
DW #3	5/25/2024	5/31/2024	114.1	1.080714286	10366284
DW #8			217.1	1.026428571	18733337
DW #9			208.1	1.034428571	18096691
DW #10			357.7	1.009714286	30362954
DW #11			314.5	1.034714286	27356950
<i>Total</i>			1211.5		104916216



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<i>Avg Flow</i>	<i>Avg SPG</i>	<i>LBS</i>			
<i>Average of Weekly Totals</i>	1226.1	<i>Sum of All LBS</i>	1386795237	<i>Weighted SPG</i>	1.0349

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