Facility Well Name CHS Refinery #3 **UIC Permit #** KS-01-113-010 **Month** February **Year** 2022

Submitted 03/22/2022 **Approved** 03/28/2022 **KOLAR Document ID** 1635583

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 28

Barrels per Day Maximum: 51,429

			Annulus Pressure psig min 60		Injection Pressure		
	Injection Volume Barrels per Day	Injection Rate Barrels per Minute	Gauge psig	Cont. Record psig	Gauge psig	Cont. Record psig	Amount Added to Seal Pot
Monthly Average	3,087	2.14	104	106	5.2	3.2	
Monthly Maximum	4,002	2.79	112	115	18.0	4.8	
Monthly Minimum	1,333	0.93	98	98	2.0	1.5	
Monthly Total	86,445						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
126.54	97.11	5.19	2.87

Comments:

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Daily Recorder Data

Day	Time 24 hr	Injection Volume Barrels Per Day	Injection Rate Barrels Per Minute	Annulus Pressure (Gauge) psig	Annulus Pressure (Continuous Recorder) psig	Injection Pressure (Gauge) + / -	Injection Pressure (Continuous Recorder) + / -	Seal Pot Fluid Level inches	Type of Fluid Added to Seal Pot	Amount of Fluid Added to Seal Pot gallons	Initials of Collector of Field Recordings		
1	07:00	3,288.00	2.29	110	109.8	3	3.1	5			MH		
2	07:00	3,324.69	2.31	100	98.3	2	2.9	3			MD		
3	07:00	3,407.67	2.36	98	104.0	6	2.9	2			TP		
4	07:00	3,693.60	2.57	102	102.5	6	3.1	2			MH		
5	07:00	3,584.90	2.50	106	107.5	5	3.1	3			MH		
6	07:00	3,532.45	2.45	106	107.1	2	3.1	3			MH		
7	07:00	3,473.14	2.40	106	109.4	6	3.1	3			BD		
8	07:00	3,388.45	2.36	111	112.4	3	3.1	4			BD		
9	07:00	3,420.69	2.38	110	113.5	3	3.2	4			CG		
10	07:00	3,511.88	2.43	112	115.2	3	3.2	4			CG		
11	07:00	2,945.83	2.05	112	115.2	3	3.3	4			TY		
12	07:00	1,333.38	0.93	100	100.3	3	3.2	3			TY		
13	07:00	2,753.14	1.90	104	104.9	3	3.2	2			TY		
14	07:00	2,767.55	1.93	102	104.7	2	3.2	2			MW		
15	07:00	2,434.29	1.69	105	107.2	2	3.2	3			MW		
16	07:00	2,068.45	1.43	110	112.1	3	3.3	3			TY		
17	07:00	1,640.90	1.14	100	101.2	2	3.2	3			BD		
18	07:00	3,239.67	2.24	100	100.8	12	3.4	2			BD		
19	07:00	3,770.05	2.62	103	104.5	8	3.4	3			MW		
20	07:00	3,646.29	2.52	104	105.9	2	3.4	3			MW		
21	07:00	3,219.43	2.24	106	108.5	2	3.4	3			BD		
22	07:00	3,146.05	2.19	98	100.0	16	3.7	3			BF		
23	07:00	3,971.67	2.76	100	99.0	18	4.3	2			MB		
24	07:00	4,002.17	2.79	105	104.6	14	4.8	1			MW		
25	07:00	3,449.83	2.40	102	101.8	2	4.8	1			BD		
26	07:00	2,703.43	1.88	104	105.2	5	1.8	2			BD		
27	07:00	2,545.02	1.76	104	107.7	5	1.5	3			BD		
28	07:00	2,181.95	1.52	105	109.9	5	1.8	3			CG		
29													
30													
31													

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Weekly Injectate Samples

Kansas Lab Certificate Number E-10116

Week	**Temperature**		**pH**		**Chloride**				
	Degrees Fahrenheit	Date	Standard Units	Date	Cl concentration (mg/l)	Date Sample Collected	Date Sampl Analysed		
1	73.70	02/01/2022	7.73	02/01/2022	515.0	02/01/2022	02/17/2022		
2	66.50	02/08/2022	7.48	02/08/2022	468.0	02/08/2022	02/17/2022		
3	61.00	02/15/2022	7.46	02/15/2022	400.0	02/15/2022	02/17/2022		
4	62.00	02/22/2022	7.82	02/22/2022	385.0	02/22/2022	03/10/2022		
5									

No monthly injectate samples required.