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

Submitted 02/16/2022 **Approved** 02/25/2022 **KOLAR Document ID** 1621266

Class I-V Injection Well Monthly Monitoring

Summary of Monthly Report

Number of days injection occurred: 31

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	3,525	2.45	98	99	4.4	3.4	
Monthly Maximum	3,795	2.64	106	106	17.0	4.0	
Monthly Minimum	3,087	2.14	88	88	2.0	3.0	
Monthly Total	109,271						

Summary of Continuous Recorder Data

Maximum Annulus Pressure psig	Minimum Annulus Pressure psig	Maximum Injection Pressure psig	Minimum Injection Pressure psig
120.30	87.28	4.11	2.95

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	3,254.74	2.26	88	88.2	14	3.5	3			BF		
2	07:00	3,087.43	2.14	90	88.1	17	3.7	2			MW		
3	07:00	3,605.83	2.50	98	98.0	2	4.0	2			MH		
4	07:00	3,794.74	2.64	100	102.3	6	3.9	3			CG		
5	07:00	3,684.69	2.55	98	97.4	4	3.8	3			CG		
6	07:00	3,697.71	2.57	90	91.5	3	3.5	3			CG		
7	07:00	3,716.90	2.57	92	94.2	2	3.6	2			MH		
8	07:00	3,641.83	2.52	100	101.6	5	3.6	2			TY		
9	07:00	3,589.38	2.50	98	98.8	6	3.5	3			CG		
10	07:00	3,599.31	2.50	98	97.9	3	3.5	2			TY		
11	07:00	3,549.60	2.48	98	99.5	3	3.5	3			TY		
12	07:00	3,571.55	2.48	100	101.5	3	3.5	3			CG		
13	07:00	3,568.12	2.48	102	103.6	3	3.5	4			CG		
14	07:00	3,529.02	2.45	104	106.2	5	3.6	4			TY		
15	07:00	3,632.57	2.52	96	94.2	6	3.4	3			TY		
16	07:00	3,782.74	2.62	96	95.1	6	3.6	3			TY		
17	07:00	3,643.55	2.52	100	100.7	5	3.6	3			MB		
18	07:00	3,584.90	2.50	102	101.5	2	3.5	4			MB		
19	07:00	3,563.31	2.48	100	102.2	6	3.2	5			JC		
20	07:00	3,576.69	2.48	92	89.9	4	3.1	3			JC		
21	07:00	3,626.74	2.52	90	92.3	2	3.1	3			MB		
22	07:00	3,568.12	2.48	95	96.9	2	3.2	2			MB		
23	07:00	3,545.14	2.45	95	99.4	3	3.2	4			MB		
24	07:00	3,460.12	2.40	102	101.8	3	3.2	4			MW		
25	07:00	3,426.86	2.38	100	101.7	3	3.2	3			MW		
26	07:00	3,402.17	2.36	100	101.1	2	3.2	3			MB		
27	07:00	3,366.86	2.33	100	101.6	5	3.2	3			MB		
28	07:00	3,335.31	2.31	101	103.9	2	3.3	3			MW		
29	07:00	3,283.55	2.29	101	102.2	2	3.0	3			MW		
30	07:00	3,297.95	2.29	106	106.3	4	3.0	4			TB		
31	07:00	3,283.55	2.29	105	105.7	4	3.0	4			MH		

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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	64.00	01/04/2022	7.30	01/04/2022	488.0	01/04/2022	01/14/2022		
2	65.00	01/11/2022	7.03	01/11/2022	692.0	01/11/2022	01/12/2022		
3	72.00	01/18/2022	7.38	01/18/2022	517.0	01/18/2022	01/28/2022		
4	63.00	01/25/2022	7.46	01/25/2022	412.0	01/25/2022	01/28/2022		
5									

No monthly injectate samples required.