



July 20, 2022

Daniel Hamel
Michigan Department of EGLE
Remediation and Redevelopment Division
Jackson District Office Building
301 E. Louis Glick Highway
Jackson, Michigan 49210

Re: **Gelman Quarterly Progress Report**
2nd Quarter, 2022
April 1, 2022 to June 30, 2022

Dear Mr. Hamel:

Please find enclosed the Quarterly Progress Report for the period of April 1, 2022 to June 30, 2022.

Should you have any questions regarding this document, please contact me at 269-993-7585.

Sincerely,

FLEIS & VANDENBRINK

A handwritten signature in dark ink, appearing to read "Jim Brode", is written over a light blue horizontal line.

Jim Brode, CPG
Senior Project Manager

GelmanSciences

2nd Quarter, 2022

(April, May, June)

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Summary of Activity

CEB = Central Environmental Building

C3 = C3 aquifer

D2 = D2 aquifer

E = E aquifer

SW = Southwest Property Area

Maple = Maple Road

Treatment Activities

- 4/1/22 - 4/30/22 – PW-1(Marshy) was shut down due to pump failure.
- 4/1/22 – 4/6/22 – TW-24 (C3) was shut down to control Red Pond levels.
- 4/1/22 – 4/7/22 – TW-10 (C3) and TW-20 (C3) were shut down to control Red Pond levels.
- 4/3/22 - TW-5 (D2) and TW-17 (E) were shut down to control Red Pond levels.
- 4/3/22 - TW-22 (SW), TW-28 (SW), TW-14 (C3), and the Treatment System were shut down due to a power outage
- 4/7/22 – 4/30/22 - TW-14 (C3) was shut down to control Red Pond levels.
- 4/7/22 – 4/11/22 - TW-17 (E) was shut down to control Red Pond levels.
- 4/11/22 – 4/12/22 - TW-22 (SW) was shut down due to flows dropping below detectable levels during/after sampling.
- 4/15/22 - Treatment System was shut down for maintenance.
- 4/19/22 – 4/21/22 - TW-5 (D2) was shut down to control Red Pond levels.
- 4/20/22 – 4/21/22 - TW-24 (C3) was shut down due to a power outage.
- 4/20/22 - Treatment System was down for maintenance
- 4/24/22 – 4/25/22 - LB-4 (D2), TW-2 (Dolph) (C3), TW-10 (C3), TW-20 (C3), TW-24 (C3), TW-25 (C3), TW-22 (SW), TW-28 (SW), TW-17 (E), TW-18 (E), TW-29 (E), TW-23 (E), and the Treatment System were shut down due to a power surge/ equipment failure.
- 4/27/22 – 4/30/22 - TW-5 (D2) was shut down to control Red Pond levels.
- 4/28/22 - Treatment System was shut down for maintenance.
- 4/29/22 – 4/30/22 - TW-17 (E) was shut down to Control Red Pond levels.
- 5/1/22 – TW-17 (E) was shut down to control Red Pond levels.
- 5/1/22 – 5/18/22 - PW-1 (Marshy) was down for rehabilitation and pump replacement.
- 5/2/22 - TW-17 (E) was shut down to control Red Pond levels.
- 5/11/22 – 5/20/22 TW-24 (C3) was shut down to control Red Pond levels.
- 5/12/22 - TW-23 (E) was shut down for maintenance.
- 5/15/22 – 5/16/22 - TW-17 (E) was shut down to control Red Pond levels.
- 5/18/22 – 5/31/22 - TW-22 (SW) was shut down for maintenance and rehabilitation.
- 5/23/22 – 5/25/22 - TW-28 (SW) was shut down for rehabilitation.
- 5/24/22 - Treatment System was shut down for maintenance.
- 5/24/22 – 5/26/22 - TW-2 (Dolph) (C3) was shut down to control Red Pond levels.
- 5/25/22 – 5/27/22 - TW-20 (C3) was shut down for rehabilitation.
- 5/31/22 – TW-5 (D2) was shut down for maintenance.
- 5/31/22 – TW-2 (Dolph) (C3) was shut down for rehabilitation.

- 6/1/22 – 6/2/22 - TW-9 (D2) was shut down for maintenance.
- 6/1/22 – 6/8/22 – TW-5 (D2), and TW-2 (Dolph) (C3) were shut down for maintenance.
- 6/1/22 – 6/20/22 – TW-22 (SW) was shut down for maintenance.
- 6/2/22 – TW-21 (D2), TW-18 (E), TW-29 (E), and TW-23 were shut down due to internet interruption.
- 6/6/22 – 6/7/22 – TW-21 (D2), TW-10 (C3), TW-20 (C3), TW-28 (SW), and TW-18 (E) were shut down for maintenance.
- 6/6/22 – 6/8/22 – TW-9 (D2), LB-4 (D2), TW-24 (C3), PW-1 (Marshy), TW-17 (E), TW-29 (E), TW-23 (E), system 1A, and system 2A were shut down for maintenance.
- 6/8/22 – 6/13/22 – TW-17 (E) was shut down for maintenance.
- 6/13/22 – TW-21 (D2) was shut down for maintenance.
- 6/13/22 – 6/17/22 – LB-4 (D2) was shut down for maintenance.
- 6/20/22 – 6/24/22 – TW-29 (E) was shut down for maintenance.
- 6/21/22 – 6/24/22 – TW-9 (D2), TW-5 (D2), TW-10 (C3), and TW-17 (E) were shut down to control Red Pond levels.
- 6/24/22 – 6/30/22 – TW-10 (C3) was shut down to control Red Pond levels.
- 6/27/22 – 6/30/22 – TW-23 (E) was shut down for maintenance.

Field Activities

- 4/2022 - Extraction well TW-25 (C3) was brought online.
- 5/2022 – PW-1 (Marshy), TW-22 (SW), TW-28 (SW), TW-20 (C3), TW-2 (Dolph) (C3) were all rehabilitated.
- 6/2022 - Installed phytoremediation system in former pond area.
- 6/2022 - Utility mapping in former Burn Pit area.
- 6/2022 - Well ID follow-up

Submittals/Responses

4/20/2022	Gelman submitted Discharge Monitoring Report (DMR) to EGLE Gelman submitted Monthly Monitoring Report (NPDES) to EGLE Gelman submitted 1st Quarter 2022 Report to EGLE
5/17/2022	Gelman submitted Discharge Monitoring Report (DMR) to EGLE Gelman submitted Monthly Monitoring Report (NPDES) to EGLE
6/20/2022	Gelman submitted Discharge Monitoring Report (DMR) to EGLE Gelman submitted Monthly Monitoring Report (NPDES) to EGLE

Anticipated Major Activities for the Next Quarter

- Continuation of property access arrangements
- Drilling/installation of monitoring wells in Eastern Areas
- Initiate installation of Rose and Valley System
- Water supply contingency planning
- Submittal of supplemental information for NPDES permit application for First Sister Lake discharge
- Well Identification Survey follow-up activities

Quarterly Performance Analysis

For the months of April, May, and June 2022, over 292 pounds of 1,4-dioxane were removed and 80,501,862 gallons of water were extracted from the contaminated aquifers, treated, and discharged. The total mass of 1,4-dioxane removed since May 1997 is over 97,551 pounds and the total volume of water discharged since May 1997 is over 9.3 billion gallons.

In general, the performance of the operation was as expected, purging, and treating contaminated groundwater to the existing allowable capacities.

QUARTERLY H₂O₂ INFLUENT	
6/17/2022	H ₂ O ₂
Well Name	µg/l
TW-20	<50
TW-18	<50
TW-23	<50
TW-2 (Dolph)	<50
LB-4	<50
TW-22	<50
TW-28	<50
TW-10	<50
TW-14	<50
TW-17	<50
TW-21	<50
PW-1	<50
TW-24	<50
TW-29	<50

Mass Reduction

MASS REDUCTION DETAIL BY AQUIFIER

April 1 - April 30, 2022

	Extraction Well	Month To Date Gallons Extracted	Month To Date Average Daily Flow Rate GPM	Month To Date Average Daily Pounds Removed	Month To Date Pounds Removed	Month To Date Average Concentration ppb
C3						
	TW-2 (Dolph)	1,053,239	24	0.042	1.3	141
	TW-10	1,261,982	29	0.33	9.9	936
	TW-14	236,151	5.5	0.0085	0.26	130
	TW-20	1,279,005	30	0.24	7.2	668
	TW-24	719,151	17	0.50	15	2,500
	TW-25	328,143	7.6	0.37	11	4,000
	<u>Sub-Totals</u>	4,877,671	113	1.5	45	
Marshy						
	PW-1	-	0.0	0.000	0.00	1000
	<u>Sub-Totals</u>	-	0.0	0.000	0.00	
E						
	TW-17	1,133,777	26	0.018	0.53	56
	TW-18	4,294,264	99	0.31	9.2	256
	TW-29	2,093,911	48	0.23	6.9	392
	TW-23	2,102,850	49	0.24	7.3	414
	<u>Sub-Totals</u>	9,624,802	223	0.80	24	
Southwest						
	TW-28	1,047,625	24	0.17	5.1	580
	TW-22	76,629	1.8	0.010	0.30	465
	<u>Sub-Totals</u>	1,124,254	26	0.18	5.4	
D2						
	LB-4	4,205,887	97	0.55	17	473
	TW-5	1,750,514	41	0.37	11	754
	TW-21	4,199,961	97	0.31	9.2	263
	<u>Sub-Totals</u>	10,156,362	235	1.2	37	
Overall Totals		25,783,089	597	3.7	111	

MASS REDUCTION DETAIL BY AQUIFIER

May 1 - May 31, 2022

	Extraction Well	Month To Date Gallons Extracted	Month To Date Average Daily Flow Rate GPM	Month To Date Average Daily Pounds Removed	Month To Date Pounds Removed	Month To Date Average Concentration ppb
C3						
	TW-2 (Dolph)	1,016,146	23	0.036	1.1	130
	TW-10	1,769,361	40	0.27	8.4	570
	TW-20	1,313,823	29	0.20	6.1	560
	TW-24	575,247	13	0.37	11	2,397
	<u>Sub-Totals</u>	4,674,578	105	0.88	27	
Marshy						
	PW-1	44,376	1.0	0.010	0.30	910
	<u>Sub-Totals</u>	44,376	1.0	0.010	0.30	
E						
	TW-17	1,620,818	36	0.029	0.91	66
	TW-18	4,544,432	102	0.29	9.0	237
	TW-29	2,228,446	50	0.22	6.9	369
	TW-23	2,228,372	50	0.20	6.3	336
	<u>Sub-Totals</u>	10,622,068	238	0.74	23	
Southwest						
	TW-28	1,036,316	23	0.14	4.4	515
	TW-22	55,061	1.2	0.0062	0.19	414
	<u>Sub-Totals</u>	1,091,377	24	0.15	4.6	
D2						
	LB-4	4,470,500	100	0.79	24	656
	TW-5	2,304,671	52	0.41	13	663
	TW-9	25,333	0.57	0.00	0.080	380
	TW-21	4,471,235	100	0.32	9.9	266
	<u>Sub-Totals</u>	11,271,739	253	1.52	47	
Overall Totals		27,704,138	621	3.3	102	

MASS REDUCTION DETAIL BY AQUIFIER

June 1 - June 30, 2022

	Extraction Well	Month To Date Gallons Extracted	Month To Date Average Daily Flow Rate GPM	Month To Date Average Daily Pounds Removed	Month To Date Pounds Removed	Month To Date Average Concentration ppb
C3						
	TW-1	1,150	0.027	0.00	0.00	58
	TW-2 (Dolph)	886,826	21	0.030	0.91	129
	TW-10	854,310	20	0.12	3.5	611
	TW-20	1,074,551	25	0.18	5.3	610
	TW-24	386,585	8.9	0.21	6.4	2,057
	<i>Sub-Totals</i>	3,204,373	74	0.54	16	
Marshy						
	PW-1	82,603	1.9	0.017	0.51	764
	<i>Sub-Totals</i>	82,603	1.9	0.017	0.51	
E						
	TW-17	1,694,064	39	0.029	0.9	64
	TW-18	4,212,473	98	0.27	8.1	238
	TW-29	2,093,517	48	0.23	6.8	403
	TW-23	2,142,598	50	0.17	5.2	300
	<i>Sub-Totals</i>	10,142,652	235	0.70	21	
Southwest						
	TW-28	1,025,309	24	0.17	5.0	609
	TW-22	29,852	0.69	0.0034	0.10	424
	<i>Sub-Totals</i>	1,055,161	24	0.17	5.1	
D2						
	LB-4	3,430,169	79	0.52	16	601
	TW-5	1,323,410	30.6	0.236	7.1	659
	TW-9	1,514,733	35.06	0.1804	5.412	444
	TW-21	4,128,897	96	0.28	8.3	250
	<i>Sub-Totals</i>	10,397,209	241	1.22	36	
Overall Totals						
		24,881,998	576	2.6	79	

MASS REDUCTION SUMMARY
Mass Removed Per Month (lb)

A	B	C	D	E	F	G
Month	Mass Removed from Unit E Only	Mass Removed from Southwest Only	Mass Removed from Marshy Only	Mass Removed from Units C3 and D2 Only	Mass Removed from Unit D0	Mass Removed from Units E, D2, C3, D0, Southwest and Marshy
Aug-00	0	0	8	366		374
Sep-00	0	0	9	332		341
Oct-00	0	5	9	583		597
Nov-00	0	3	12	1160		1175
Dec-00	0	0	10	1040		1050
Jan-01	0	0	7	816		823
Feb-01	0	0	7	1056		1063
Mar-01	0	0	11	1379		1390
Apr-01	0	0	9	1140		1149
May-01	0	1	8	990		999
Jun-01	0	2	8	933		943
Jul-01	0	2	10	1121		1133
Aug-01	0	2	13	1018		1033
Sep-01	0	1	9	909		919
Oct-01	0	5	8	896		909
Nov-01	0	4	5	827		836
Dec-01	0	6	4	768		778
Jan-02	0	6	5	753		764
Feb-02	0	4	6	691		701
Mar-02	0	7	7	663		677
Apr-02	0	6	7	682		695
May-02	100	9	7	898		1014
Jun-02	94	9	6	889		998
Jul-02	56	10	7	640		713
Aug-02	53	8	6	745		812
Sep-02	51	8	6	860		925
Oct-02	33	6	4	603		646
Nov-02	57	8	5	880		950
Dec-02	48	9	5	842		904
Jan-03	45	8	6	839		898
Feb-03	37	6	6	767		816
Mar-03	44	8	7	763		822
Apr-03	39	8	3	716		766
May-03	36	13	5	725		779
Jun-03	34	15	5	683		737
Jul-03	29	15	5	678		727
Aug-03	31	15	6	676		728
Sep-03	27	16	5	644		692
Oct-03	34	17	5	701		757
Nov-03	26	12	5	663		706
Dec-03	29	14	6	635		684
Jan-04	28	15	6	667		716
Feb-04	8	11	5	485		509
Mar-04	23	14	7	573		617
Apr-04	27	15	6	537		585
May-04	16	10	5	439		470
Jun-04	21	11	5	499		536
Jul-04	36	12	5	506		559
Aug-04	54	12	5	480		551

MASS REDUCTION SUMMARY
Mass Removed Per Month (lb)

A	B	C	D	E	F	G
Month	Mass Removed from Unit E Only	Mass Removed from Southwest Only	Mass Removed from Marshy Only	Mass Removed from Units C3 and D2 Only	Mass Removed from Unit D0	Mass Removed from Units E, D2, C3, D0, Southwest and Marshy
Sep-04	34	9	5	382		430
Oct-04	30	10	5	358		403
Nov-04	30	9	5	395		439
Dec-04	33	11	5	442		491
Jan-05	29	11	4	404		448
Feb-05	26	9	4	390		429
Mar-05	27	9	4	409		450
Apr-05	33	4	3	396		436
May-05	27	8	2	364		401
Jun-05	31	9	3	361		404
Jul-05	31	8	1	279		319
Aug-05	12	6	2	275		295
Sep-05	13	8	2	327		350
Oct-05	16	6	3	297		322
Nov-05	13	7	4	291		315
Dec-05	12	8	4	325		349
Jan-06	115	7	3	308		433
Feb-06	144	7	3	290		444
Mar-06	148	8	3	331		490
Apr-06	125	7	3	291		426
May-06	137	9	3	402		551
Jun-06	119	5	2	329		456
Jul-06	107	8	3	310		427
Aug-06	104	8	2	307		421
Sep-06	97	9	3	300		409
Oct-06	93	9	3	327		432
Nov-06	80	7	2	268		357
Dec-06	68	6	2	238		314
Jan-07	91	8	2	305		406
Feb-07	84	8	2	284		378
Mar-07	91	8	3	306		408
Apr-07	84	8	2	280		374
May-07	82	8	2	288		380
Jun-07	81	8	2	279		370
Jul-07	66	8	2	256		332
Aug-07	73	8	2	270		353
Sep-07	77	8	2	247		334
Oct-07	73	8	2	244		327
Nov-07	68	8	2	263		341
Dec-07	69	8	2	260		339
Jan-08	65	7	2	237		311
Feb-08	53	6	2	203		264
Mar-08	56	7	2	220		285
Apr-08	54	7	2	200		263
May-08	55	7	2	206		270
Jun-08	52	6	2	195		256
Jul-08	39	1	2	139		181
Aug-08	50	7	2	198		256
Sep-08	43	5	2	177		227

MASS REDUCTION SUMMARY
Mass Removed Per Month (lb)

A	B	C	D	E	F	G
Month	Mass Removed from Unit E Only	Mass Removed from Southwest Only	Mass Removed from Marshy Only	Mass Removed from Units C3 and D2 Only	Mass Removed from Unit D0	Mass Removed from Units E, D2, C3, D0, Southwest and Marshy
Oct-08	45	5	2	187		239
Nov-08	45	7	2	197		251
Dec-08	45	5	2	187		239
Jan-09	39	8	2	124		173
Feb-09	34	8	2	122		164
Mar-09	35	8	2	122		166
Apr-09	32	6	1	119		158
May-09	45	7	2	201		254
Jun-09	39	5	1	157		202
Jul-09	38	5	1	152		196
Aug-09	39	7	2	202		250
Sep-09	36	6	2	223		267
Oct-09	36	8	2	206		251
Nov-09	32	7	1	167		208
Dec-09	32	8	1	171		212
Jan-10	34	8	1	175		219
Feb-10	30	7	1	161		198
Mar-10	33	7	1	173		214
Apr-10	33	7	1	175		216
May-10	33	7	1	176		217
Jun-10	29	6	1	130		165
Jul-10	20	7	1	171		200
Aug-10	23	7	1	188		220
Sep-10	21	6	1	148		177
Oct-10	24	7	2	185		218
Nov-10	18	6	2	151		176
Dec-10	26	6	2	164		198
Jan-11	25	6	2	163		195
Feb-11	25	7	2	165		198
Mar-11	27	8	2	174		209
Apr-11	22	6	1	143		171
May-11	20	5	1	138		164
Jun-11	17	5	1	104		127
Jul-11	15	4	1	92		112
Aug-11	14	2	1	80		97
Sep-11	16	6	1	98		121
Oct-11	17	6	1	113		137
Nov-11	33	6	1	105		145
Dec-11	45	6	1	98		150
Jan-12	46	6	1	103		156
Feb-12	40	5	1	89		135
Mar-12	43	5	1	94	0.017	142
Apr-12	47	6	1	105	0.000	159
May-12	47	6	1	100	0.000	154
Jun-12	42	6	0.3	99	0.029	148
Jul-12	30	6	0.1	102	0.000	138
Aug-12	29	6	0.0	75	0.000	109
Sep-12	32	5	0.1	62	0.029	100
Oct-12	27	5	0.0	57	0.000	88

MASS REDUCTION SUMMARY
Mass Removed Per Month (lb)

A	B	C	D	E	F	G
Month	Mass Removed from Unit E Only	Mass Removed from Southwest Only	Mass Removed from Marshy Only	Mass Removed from Units C3 and D2 Only	Mass Removed from Unit D0	Mass Removed from Units E, D2, C3, D0, Southwest and Marshy
Nov-12	33	4	0.0	62	0.000	99
Dec-12	31	3	0.0	52	0.020	86
Jan-13	46	3	0.0	54	0.000	103
Feb-13	46	3	0.0	47	0.000	95
Mar-13	53	3	0.0	53	0.029	109
Apr-13	46	5	0.1	61	0.000	113
May-13	57	8	1.0	60	0.000	126
Jun-13	43	7	0.7	52	0.029	102
Jul-13	57	9	0.9	61	0.000	128
Aug-13	48	7	0.8	63	0.000	120
Sep-13	46	7	0.6	60	0.023	113
Oct-13	46	7	0.8	61	0.000	115
Nov-13	52	7	0.7	57	0.000	117
Dec-13	57	8	1.0	72	0.026	138
Jan-14	47	8	0.7	66	0.000	122
Feb-14	37	7	0.4	48	0.000	92
Mar-14	42	6	0.5	58	0.025	107
Apr-14	44	6	0.4	58	0.000	108
May-14	46	6	0.4	61	0.000	113
Jun-14	38	5	0.3	34	0.019	77
Jul-14	41	4	0.3	32	0.000	78
Aug-14	42	4	0.4	33	0.000	79
Sep-14	39	3	0.3	33	0.020	76
Oct-14	42	3	0.3	33	0.000	79
Nov-14	46	3	0.3	33	0.000	82
Dec-14	50	3	0.3	37	0.000	90
Jan-15	45	2	0.3	32	0.016	80
Feb-15	41	2	0.3	28	0.000	72
Mar-15	46	2	0.5	29	0.027	77
Apr-15	49	2	0.4	29	0.000	80
May-15	47	3	0.3	29	0.000	79
Jun-15	42	5	0.3	33	0.019	81
Jul-15	38	6	0.4	30	0.000	74
Aug-15	44	7	0.7	34	0.000	86
Sep-15	42	7	1.2	33	0.013	82
Oct-15	46	6	1.0	34	0.000	88
Nov-15	46	6	1.3	35	0.000	88
Dec-15	44	5	1.1	35	0.018	85
Jan-16	46	4	1.1	33	0.000	84
Feb-16	43	4	0.8	27	0.000	74
Mar-16	41	6	0.6	33	0.016	80
Apr-16	41	7	0.1	33	0.000	82
May-16	45	7	0.0	36	0.000	87
Jun-16	44	7	0.1	34	0.018	85
Jul-16	44	7	0.4	36	0.000	88
Aug-16	42	7	0.1	34	0.000	83
Sep-16	38	5	0.9	32	0.021	77
Oct-16	40	5	0.9	31	0.000	77
Nov-16	41	6	0.1	33	0.000	79

MASS REDUCTION SUMMARY
Mass Removed Per Month (lb)

A	B	C	D	E	F	G
Month	Mass Removed from Unit E Only	Mass Removed from Southwest Only	Mass Removed from Marshy Only	Mass Removed from Units C3 and D2 Only	Mass Removed from Unit D0	Mass Removed from Units E, D2, C3, D0, Southwest and Marshy
Dec-16	43	6	0.2	33	0.017	82
Jan-17	44	6	0.8	36	0.000	87
Feb-17	36	5	0.6	29	0.000	71
Mar-17	39	5	0.6	33	0.017	78
Apr-17	34	5	0.3	31	0.000	70
May-17	32	5	0.5	27	0.000	64
Jun-17	31	4	0.3	26	0.018	61
Jul-17	32	5	0.1	36	0.000	73
Aug-17	29	6	0.0	37	0.000	71
Sep-17	31	5	0.0	27	0.033	63
Oct-17	36	4	0.2	28	0.000	67
Nov-17	34	5	0.7	28	0.000	68
Dec-17	32	5	0.8	28	0.020	65
Jan-18	36	6	0.9	32	0.000	75
Feb-18	28	4	0.5	26	0.000	59
Mar-18	37	4	0.6	34	0.019	75
Apr-18	33	4	0.7	31	0.000	68
May-18	36	4	0.5	35	0.000	75
Jun-18	33	4	0.4	32	0.016	70
Jul-18	33	4	0.3	32	0.000	69
Aug-18	31	4	0.4	33	0.000	68
Sep-18	33	3	0.5	34	0.020	71
Oct-18	39	3	0.6	34	0.000	77
Nov-18	32	3	0.6	33	0.000	69
Dec-18	37	0.8	0.6	35	0.021	73
Jan-19	36	4	0.6	37	0.000	77
Feb-19	26	5	0.4	27	0.000	59
Mar-19	28	6	0.3	31	0.009	65
Apr-19	31	7	0.4	32	0.000	70
May-19	30	6	0.2	33	0.000	70
Jun-19	27	5	0.1	28	0.019	61
Jul-19	33	8	0.2	30	0.000	71
Aug-19	39	8	0.3	31	0.000	78
Sep-19	33	8	0.4	29	0.021	70
Oct-19	33	6	0.0	29	0.000	68
Nov-19	33	6	0.2	27	0.000	67
Dec-19	33	6	0.5	29	0.018	68
Jan-20	25	5	0.4	43	0.000	73
Feb-20	27	7	0.5	31	0.000	65
Mar-20	29	6	0.4	31	0.015	66
Apr-20	28	6	0.3	29	0	63
May-20	28	7	0.3	32	0	68
Jun-20	29	6	0.2	31	0.018	66
Jul-20	33	5	0.2	33	0	71
Aug-20	33	6	0.2	28	0	67
Sep-20	28	6	0.2	29	0.013	63
Oct-20	32	7	0.3	31	0	70
Nov-20	35	7	0.3	31	0	73
Dec-20	31	6	0.3	24	0.014	61

MASS REDUCTION SUMMARY
Mass Removed Per Month (lb)

A	B	C	D	E	F	G
Month	Mass Removed from Unit E Only	Mass Removed from Southwest Only	Mass Removed from Marshy Only	Mass Removed from Units C3 and D2 Only	Mass Removed from Unit D0	Mass Removed from Units E, D2, C3, D0, Southwest and Marshy
Jan-21	30	6	0.3	28	0.000	64
Feb-21	27	6	0.3	28	0.000	61
Mar-21	27	6	0.3	26	0.012	60
Apr-21	27	8	0.2	29	0.000	65
May-21	25	7	0.3	36	0.000	68
Jun-21	24	6	1.1	37	0.006	68
Jul-21	23	6	0.9	36	0.000	66
Aug-21	16	4	0.3	31	0.000	52
Sep-21	20	6	0.5	30	0.014	57
Oct-21	23	6	0.5	43	0.000	73
Nov-21	22	6	0.5	39	0.000	67
Dec-21	23	6	0.6	36	0.000	66
Jan-22	24	6	0.0	81	0.000	111
Feb-22	22	6	0.7	49	0.000	78
Mar-22	25	6	0.7	64	0.000	95
Apr-22	24	5	0.0	81	0.000	110
May-22	23	5	0.3	74	0.000	102
Jun-22	21	5	0.5	52	0.000	79
Total to date	9865	1616	565	62511	1	74557