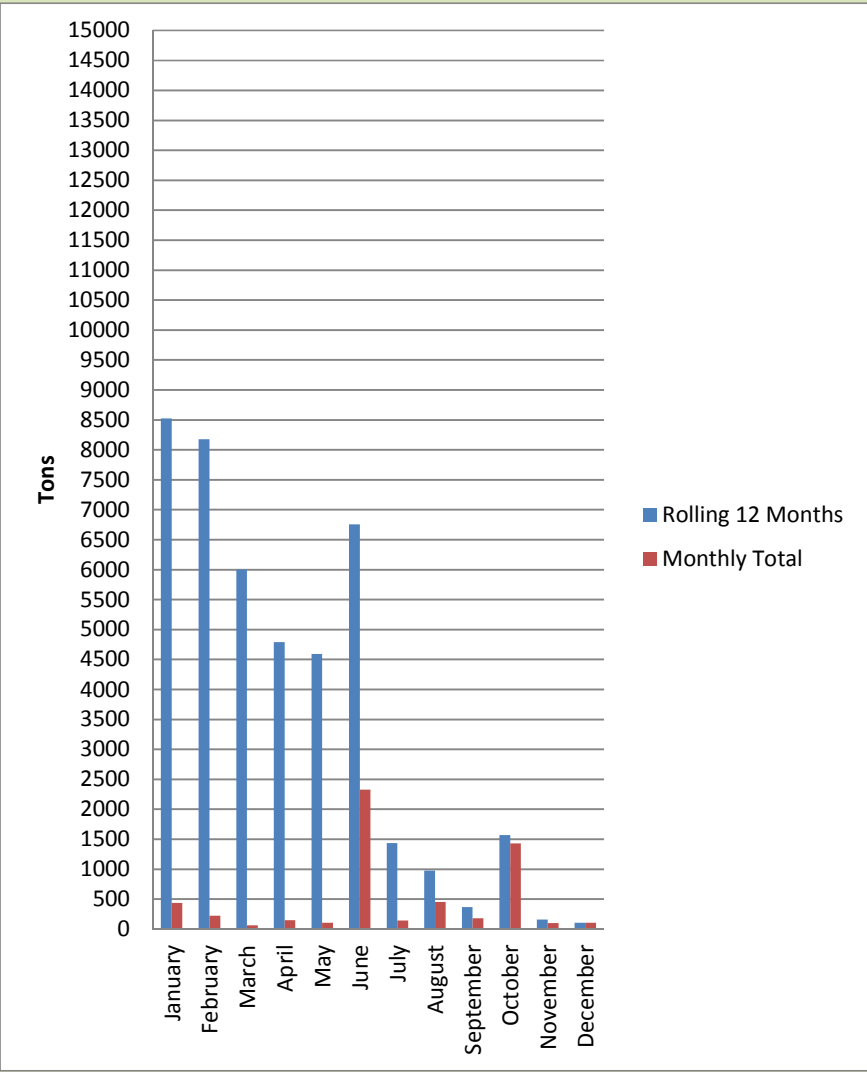


Chevron Landfarm Tracking Report

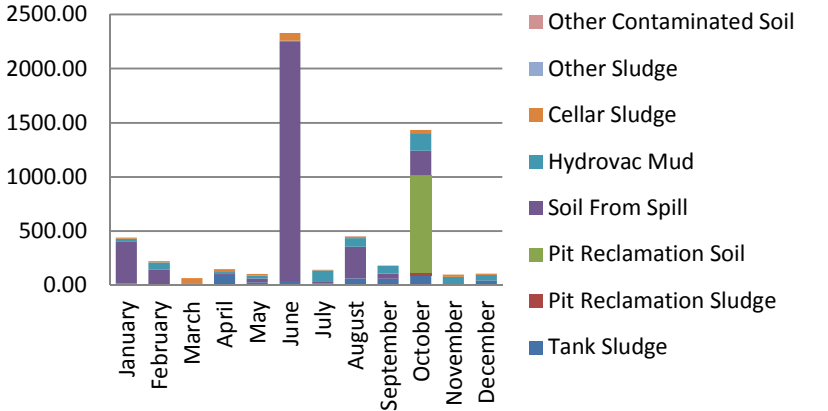
	January	February	March	April	May	June	July	August	September	October	November	December
Tons	438.47695	221.95	64.84	149.29	104.70	2329.43	141.19	450.79	180.11	1432.66	97.55	105.26
Rolling 12 Months	FEB-JAN	MAR-FEB	APR-MAR	MAY-APR	JUN-MAY	JUL-MAY	AUG-JUL	SEP-AUG	OCT-SEP	NOV-OCT	DEC-NOV	JAN-DEC
	8523.23165	8179.548	6002.005	4792.201	4590.979	6756.04465	1434.443	978.5952	364.4007	1566.425	157.06115	105.2625
Tank Sludge	15.72	4.21	5.33	94.03	27.79	37.33	13.75	63.72	60.07	90.39	7.86	44.91
Pit Reclamation Sludge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.73	0.00	0.00
Pit Reclamation Soil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	901.45	0.00	0.00
Soil From Spill	389.22	139.14	1.68	8.94	34.53	2210.13	16.84	289.95	47.62	224.10	1.83	0.00
Hydrovac Mud	22.87	67.65	12.35	17.96	27.51	10.95	104.42	80.28	72.42	163.93	66.53	50.81
Cellar Sludge	10.39	10.95	45.47	28.35	14.88	71.02	6.18	16.28	0.00	28.07	21.33	9.54
Other Sludge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Contaminated Soil	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.00	0.00	0.00	0.00
Total	438.48	221.95	64.84	149.29	104.70	2329.43	141.19	450.79	180.11	1432.66	97.55	105.26
Dump Truck Sludge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.50	0.00	0.00
Dump Truck Soil	388.80	129.60	0.00	8.10	0.84	2187.00	0.00	201.52	37.80	1120.50	0.00	0.00
Vacume Truck Sludge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vacume Truck Soil	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hydrovac Sludge	26.11	15.16	50.81	122.39	42.67	108.35	19.93	80.00	0.00	129.68	29.19	54.46
Hydrovac Soil	23.29	77.19	14.04	18.81	61.19	33.40	121.26	169.26	82.25	168.98	68.21	50.81
Other Sludge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Soil	0.00	0.00	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00	0.15	0.00
Total	438.48	221.95	64.84	149.29	104.70	2329.43	141.19	450.79	120.05	1432.66	97.55	105.26
Sludge	26.11	15.16	50.81	122.39	42.67	108.35	19.93	80.00	60.07	143.18	29.19	54.46
Contaminated Soil	412.37	206.79	14.04	26.91	62.03	2221.08	121.26	370.79	120.05	1289.48	68.36	50.81
Total	438.48	221.95	64.84	149.29	104.70	2329.43	141.19	450.79	180.11	1432.66	97.55	105.26



Report End Date: 12/31/2016

Notes: December Totals

Monthly Tons by Type





Maintenance Averages	
Average (mass-weighted) time between application and tilling:	0.01 hours
Average (mass-weighted) depth of waste application:	5.11 inches

# Rangely Landfarm Mitigation Tracking

REF: Rangely Landfarm Air Permit (11RB1226, Attachment A) requires monthly soil sampling and analysis of specific parameters. If any of the parameters are outside of specified acceptable ranges, mitigation procedures must be implemented to bring those parameters to within the specified range.

	Heterotrophic Plate Count (CFU/gram)	Soil Moisture (wt%)	Soil pH	Soluble Nitrogen (ppmw)	Available Phosphorus (ppmw)	TPH mg/kg				
Minimum -	1,000	12%	6	50	5	NA				
Maximum -	NA	30%	8	200	NA	100,000				
Date of sample event							Any parameter out of range? (Yes/No)	Cell Number	Mitigation plan and schedule	Mitigation completion date
18-Sep-13	738,000	16.5%	7.2	70.0	76.1	1,505	No	4		
1-Oct-13	2,800,000	15.9%	7.1	77.0	13.1	2,500	No	4		
12-Nov-13	13,000,000	21.0%	7.9	0.0	3.7	11,540	Yes	4	With onset of winter, landfarm biology will become dormant. Fertilizer will be applied in spring when risk of run-off is past.	
22-Jan-14	3,390,000	26.4%	7.2	51.0	77.0	2,200	No	4		
12-Feb-14	760,000	17.0%	7.4	0.0	220.0	7,500	Yes	4	Fertilizer will be applied in spring when risk of run-off is past.	
12-Mar-14	7,700,000	24.0%	7.0	0.0	600.0	2,170	Yes	4	Fertilizer will be applied in spring when risk of run-off is past.	
29-Apr-14	99,000	10.0%	7.9	0.0	540.0	8,720	Yes	3	Fertilizer will be applied in spring when risk of run-off is past.	
30-May-14	222,000,000	25.0%	7.0	26.0	630.0	13,190	Yes	3	Continue the addition of fertilizer	
18-Jun-14	280,000	6.3%	7.3	0.0	750.0	18,900	Yes	3	Continue the addition of fertilizer	
8-Jul-14	550,000	16.0%	7.1	0.0	700.0	27,130	Yes	3	Continue the addition of fertilizer	
6-Aug-14	75,000	6.8%	7.3	4.0	610.0	6,450	Yes	3	Continue the addition of fertilizer	
17-Sep-14	910,000	6.2%	7.3	1.4	670.0	8,425	Yes	3	Continue the addition of fertilizer	
7-Oct-14	490,000	12.0%	7.5	0.0	570.0	20,650	Yes	3	Continue the addition of fertilizer	
18-Nov-14	740,000	24.0%	7.4	16.0	660.0	1,004	Yes	6	With onset of winter, landfarm biology will become dormant. Fertilizer will be applied in spring when risk of run-off is past.	
4-Dec-14	190,000	16.0%	7.7	0.0	640.0	6,818	Yes	6	With onset of winter, landfarm biology will become dormant. Fertilizer will be applied in spring when risk of run-off is past.	
20-Jan-15	51,000	24.0%	7.2	2.8	590.0	13,110	Yes	6	With onset of winter, landfarm biology will become dormant. Fertilizer will be applied in spring when risk of run-off is past.	
17-Feb-15	140,000	17.0%	7.4	1.7	610.0	5,739	Yes	6	Fertilizer will be applied in spring when risk of run-off is past.	
19-Mar-15	620,000	12.0%	6.9	1.3	600.0	8,420	Yes	6	Fertilizer will be applied in spring when risk of run-off is past.	
21-Apr-15	14,000	8.2%	7.0	1.5	540.0	19,510	Yes	6	Fertilizer application	23-Apr-15
27-May-15	130,000	19.0%	7.4	1.5	550.0	8,346	Yes	6	Fertilizer application	
26-Jun-15	30,000	5.5%	7.7	0.0	540.0	35,600	Yes	6	Fertilizer application, moisture	
7-Jul-15	222,000	13.0%	7.3	11.0	540.0	8,160	Yes	4	Fertilizer application	
7-Jul-15	33,000	8.7%	7.1	1.8	580.0	14,060	Yes	6	Fertilizer application, moisture	
25-Aug-15	250,000	4.5%	8.0	0.6	670.0	4,400	Yes	4	Fertilizer application, moisture	
25-Aug-15	22,000	10.0%	7.4	0.0	720.0	11,170	Yes	6	Fertilizer application, moisture	
30-Sep-15	20,000	8.0%	7.4	0.0	480.0	17,460	Yes	6	Fertilizer application, moisture	15-Sep-15
21-Oct-15	35,000	10.0%	7.3	0.0	560.0	11,200	Yes	6	With onset of winter, landfarm biology will become dormant. Fertilizer will be applied in spring when risk of run-off is past.	
23-Nov-15	24,000	14.0%	7.3	0.0	510.0	12,200	Yes	6	With onset of winter, landfarm biology will become dormant. Fertilizer will be applied in spring when risk of run-off is past.	
29-Dec-15	40,000	22.0%	7.2	0.0	680.0	9,570	Yes	6	With onset of winter, landfarm biology will become dormant. Fertilizer will be applied in spring when risk of run-off is past.	
26-Jan-16	63,000	27.0%	7.4	0.0	590.0	6,850	Yes	6	With onset of winter, landfarm biology will become dormant. Fertilizer will be applied in spring when risk of run-off is past.	
18-Feb-16	33,000	25.0%	7.6	0.0	680.0	44,000	Yes	6	With onset of winter, landfarm biology will become dormant. Fertilizer will be applied in spring when risk of run-off is past.	
16-Mar-16	36,000	12.0%	7.4	0.0	460.0	11,035	Yes	6	With onset of winter, landfarm biology will become dormant. Fertilizer will be applied in spring when risk of run-off is past.	
27-Apr-16	460,000	17.0%	7.6	2.2	580.0	9,534	Yes	6	Fertilizer will be applied in spring when risk of run-off is past.	
31-May-16	17,000	9.8%	7.6	0.0	560.0	8,828	Yes	6	Add Fertilizer and Water	
6-Jun-16	24,000	13.0%	7.1	1.3	870.0	9,535	Yes	6	Add Fertilizer	
27-Jul-16	330,000	4.6%	7.5	8.2	610.0	12,000	Yes	6	Add Fertilizer and Water	
24-Aug-16	35,000	12.0%	7.2	0.0	610.0	11,024	Yes	6	Add Fertilizer	
22-Sep-16	42,000	21.0%	7.4	0.0	570.0	4,900	Yes	6	Add Fertilizer	
13-Oct-16	180,000	24.0%	7.1	0.0	440.0	2,860	Yes	6	Add Fertilizer	
3-Nov-16	29,000	12.0%	7.4	0.0	470.0	7,541	Yes	6	Add Fertilizer	
8-Dec-16	510,000	14.0%	7.3	0.0	680.0	9,765	Yes	6	Fertilizer will be applied in spring when risk of run-off is past.	

