



State of Vermont
Maintenance and Operations Bureau
One National Life Drive
Montpelier, VT 05633-5001
Scott.Rogers@vermont.gov

Agency of Transportation

[phone] 802-828-2709
[fax] 802-828-2848

To: FILE

From: Scott Rogers, Director of Maintenance and Operations Bureau SAR

Date: January 18, 2017

Subject: Salt and Sand Summary – Week No #10

Attached is the summary of salt and sand used for the period ending January 7, 2017 and the accumulated totals to date.

Materials applied at the Rutland Southern Vermont Regional Airport during this period were:
Salt – 2 tons

If you need further explanation, please contact Ashley Barnhart at (802) 522-6220 or Ashley.Barnhart@vermont.gov

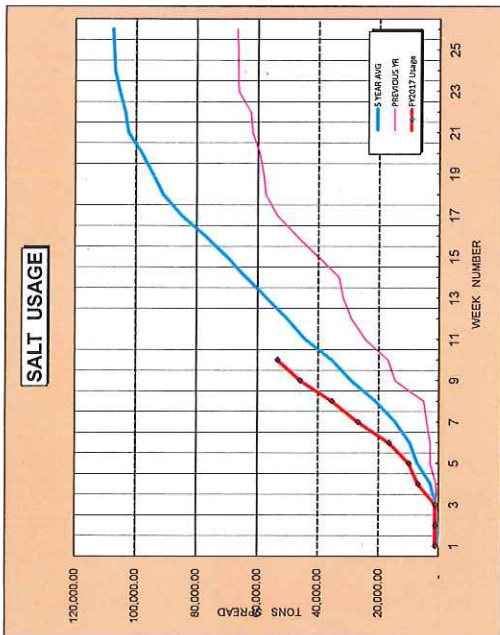
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Attachment

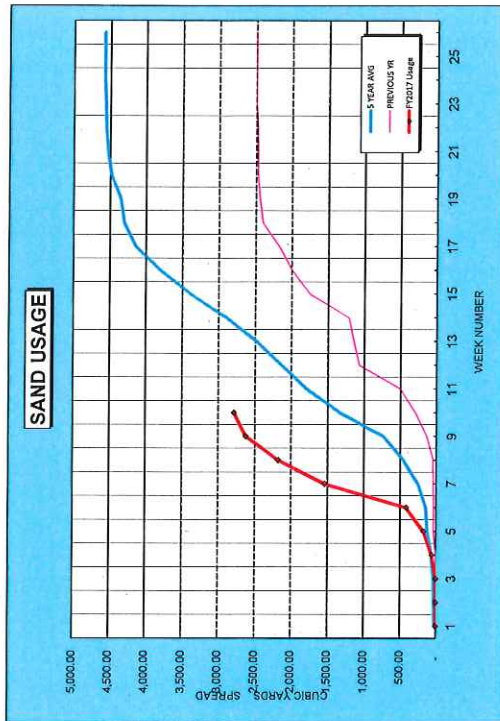


VERMONT AGENCY OF TRANSPORTATION
 MAINTENANCE AND OPERATIONS BUREAU
 FY 2017 SALT AND SAND REPORT #10
 1-1-2017 through 1-7-2017

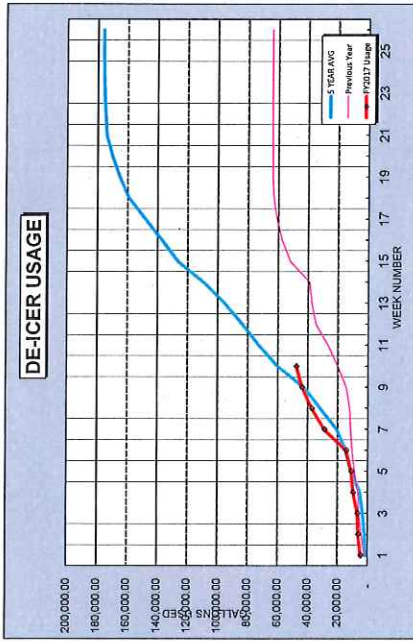
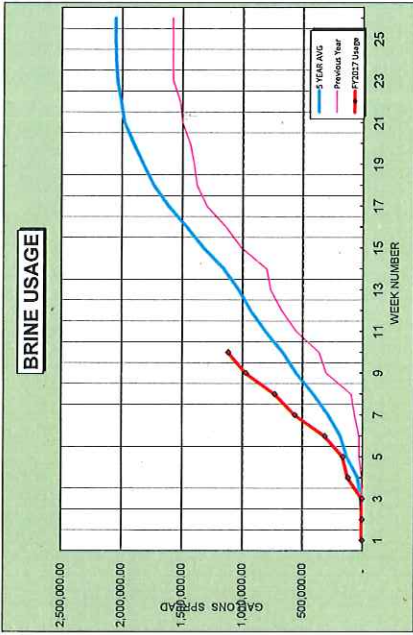
	DISTRICT									TOTAL
	1	2	3	4	5	6	7	8	9	
WEEKLY TOTAL - SPREAD										
Salt (tons)	687.3	989.0	847.0	1,728.0	610.0	0.0	1,256.4	687.5	768.0	7,553.2
Sand (cy)	37.0	0.0	2.0	32.0	16.0	0.0	13.2	0.0	55.5	165.7
Liquid De-icers (gals)	1,760.0	0.0	651.0	72.0	205.0	0.0	752.0	63.0	468.0	3,971.0
Brine (gal)	31,971.0	320.0	19,932.0	16,348.0	15,109.0	0.0	17,023.8	31,352.0	13,593.0	145,648.8
YEAR TO DATE TOTALS - SPREAD										
Salt (tons)	3,781.8	6,530.6	6,988.3	11,479.5	5,379.0	0.0	7,713.5	6,516.0	4,949.0	53,337.6
Sand (cy)	220.0	32.0	156.5	394.0	221.5	0.0	1,020.3	71.0	672.0	2,787.3
Liquid De-icers (gals)	12,587.0	587.0	4,516.0	9,576.0	3,700.3	0.0	8,394.0	1,987.0	6,292.4	47,639.7
Brine (gal)	245,573.0	12,101.0	131,938.0	54,780.0	202,846.6	0.0	132,491.3	247,418.0	91,954.0	1,119,101.9
SALT APPLICATION - YEAR TO DATE										
Avg lbs. / Two Lane Miles	199.09	415.83	257.40	409.34	223.03	0.00	227.01	205.15	182.09	257.76
Total Tons / One Lane Miles	6.81	9.98	10.61	10.25	5.63	0.00	8.08	7.09	7.12	8.19



SALT USAGE WEEK NUMBER	5 YEAR AVG	PREVIOUS YR	FY2017 Usage
1	279.32	356.60	1,098.60
2	413.90	469.60	1,114.10
3	863.02	486.40	1,114.10
4	2,663.30	689.30	6,846.20
5	7,117.33	2,712.04	9,914.50
6	9,623.87	3,787.23	16,631.00
7	14,639.16	3,873.90	26,755.30
8	21,029.28	4,983.42	35,424.60
9	29,137.34	14,571.29	45,784.40
10	35,536.40	16,912.30	53,337.60
11	44,209.13	24,459.13	
12	50,275.35	28,995.76	
13	56,949.36	31,745.83	
14	63,868.75	33,167.24	
15	70,265.77	40,092.97	
16	77,145.49	47,083.23	
17	85,102.88	53,466.52	
18	91,058.48	57,338.80	
19	94,515.64	58,110.27	
20	98,029.82	59,437.79	
21	102,463.02	61,840.88	
22	103,537.31	62,390.43	
23	105,393.05	66,301.04	
24	106,993.74	66,526.08	
25	107,340.00	66,526.08	
26	107,706.13	66,821.03	



SAND USAGE WEEK NUMBER	5 YEAR AVG	PREVIOUS YR	FY2017 Usage
1	15.22	-	0.50
2	23.52	-	0.50
3	31.32	-	0.50
4	59.42	-	57.70
5	121.88	31.00	173.20
6	252.36	31.00	416.50
7	458.86	35.00	1,536.80
8	733.96	38.70	2,174.20
9	1,339.42	129.90	2,621.60
10	1,789.45	287.90	2,787.30
11	2,194.15	495.45	
12	2,435.63	1,066.95	
13	2,867.82	1,144.41	
14	3,300.38	1,211.41	
15	3,802.82	1,044.11	
16	4,104.80	1,947.81	
17	4,354.87	2,110.91	
18	4,352.86	2,440.45	
19	4,352.86	2,444.25	
20	4,530.77	2,471.15	
21	4,559.07	2,470.15	
22	4,559.07	2,470.15	
23	4,559.07	2,468.35	
24	4,578.73	2,468.35	
25	4,578.73	2,468.35	
26	4,561.73	2,466.35	



BRINE USAGE

WEEK NUMBER	5 YEAR AVG	PREVIOUS YR	FY2017 Usage
1	1,389.60	400.00	3,654.30
2	2,520.40	400.00	3,654.30
3	10,834.10	400.00	3,654.30
4	40,828.80	3,515.00	121,165.80
5	132,459.80	23,826.49	162,953.60
6	185,684.40	26,636.49	315,813.20
7	287,599.62	64,712.29	565,824.40
8	413,826.82	93,306.50	732,689.60
9	556,590.89	300,079.25	973,453.10
10	668,938.55	360,658.35	1,119,101.90
11	811,121.39	551,067.85	674,660.65
12	933,420.05	674,660.65	766,696.50
13	1,033,048.72	800,667.00	800,667.00
14	1,157,107.60	1,008,611.30	1,008,611.30
15	1,322,700.12	1,135,194.80	1,135,194.80
16	1,463,009.90	1,285,223.80	1,285,223.80
17	1,615,240.90	1,377,159.90	1,377,159.90
18	1,737,497.60	1,400,911.20	1,400,911.20
19	1,826,215.50	1,434,162.40	1,434,162.40
20	1,906,581.41	1,499,579.70	1,499,579.70
21	1,982,652.79	1,517,935.70	1,517,935.70
22	2,009,687.69	1,578,700.70	1,578,700.70
23	2,039,453.39	1,578,700.70	1,578,700.70
24	2,052,309.09	1,578,700.70	1,578,700.70
25	2,057,274.09	1,578,700.70	1,578,700.70
26	2,057,885.89	1,579,627.70	1,579,627.70

DE-ICER USAGE

WEEK NUMBER	5 YEAR AVG	PREVIOUS YR	FY2017 Usage
1	1,521.80	1,924.00	4,371.00
2	2,060.80	3,739.00	5,989.00
3	3,267.82	5,409.00	6,493.00
4	5,115.22	6,084.00	9,407.00
5	10,903.80	8,581.50	10,726.00
6	14,638.04	10,146.50	14,207.40
7	20,765.78	11,047.50	28,745.70
8	31,726.56	11,888.50	37,260.70
9	42,644.44	14,077.50	43,668.70
10	60,109.64	19,848.50	47,639.70
11	72,531.58	26,214.50	
12	83,501.74	34,587.50	
13	95,323.47	37,235.25	
14	109,166.27	38,924.75	
15	126,403.80	51,942.50	
16	137,025.92	57,482.00	
17	148,088.14	60,908.00	
18	158,965.48	62,870.00	
19	165,152.38	63,730.00	
20	170,222.22	63,730.00	
21	173,958.88	63,912.00	
22	174,852.48	63,912.00	
23	175,634.22	63,912.00	
24	175,944.92	63,912.00	
25	176,078.52	63,912.00	
26	176,084.52	63,912.00	