

In the Fall of 2013 the Township recycled approximately 10,500 cubic yards of wood refuse.

The recycling of wood waste has eliminated the need for the Township to purchase woodchips and landscape mulch. The majority of woodchips generated through the recycling of wood refuse are used primarily throughout the Township on the parks walking paths. Mulch is utilized by the Landscape Division of Public Works in the beautification of all Township Properties.

Woodchips and Mulch are also made available at no charge to Township Residents for pick up at the Pill Hill Recycling Facility during normal operating hours.

Savings to the Township can be realized in reviewing the 2013 Morbark Monthly Recycling Reports. The reclamation of Wood Refuse has eliminated the disposal costs that would have been incurred by the Township in transportation costs of 517 containers to outside vendors and additional disposal costs incurred for the 10,530 cubic yards of wood refuse. In addition, fuel and emission avoidance contributed to a decrease in our carbon footprint.



Harry Dunham Park Walking Paths



Mountain Park Walking Paths



Pleasant Valley Walking Paths

Soil that is recovered from Township projects and job sites is cleaned through the use of the EZ Screener. The soil is enriched by incorporating sand, leaves and mulch. By incorporating composted vegetative debris the soil is enriched, thereby eliminating the need for additional fertilizers.

There are a variety of uses and applications where topsoil can be used but the majority is being used to top dress Township playing fields. The cost savings is an average of \$22 per cubic yard.



# MORBARK HORIZONTAL GRINDER 2013

## WEEKLY CUBIC YARDS OF BRUSH, CHIPS, LEAVES TO BE GROUND

DATE	Chips	CY	ReMill Total	Leaves	CY	Total	Brush	CY	Total	Total Yards	DESCRIPTION MULCH MADE (CUBIC YARDS)	Eng Read	RunHours	MULCH/RESIDENTS
<b>JANUARY 2013</b>														
			0			0			0		UNIT OUT OF REPAIR	768.6		Last operating hours logged in 2012
			0			0			0		NOT USED			
			0			0			0		NOT USED			
			0			0			0		NOT USED			
			0			0			0		NOT USED			
			0			0			0		NOT USED			
			0			0			0		NOT USED			
			0			0			0		NOT USED			
JAN Totals			0			0	0		0			768.6	0	
<b>FEBRUARY 2013</b>														
											February Start Hours	781.1		Hour reading after repair return
2-7-2013			0			0	15	20	300	300	150yrd(single mill)	785.6	4.5	NEW BELTS INSTALLED CHECK FOR
2-14-2013			0			0	10	20	200	200	100yrd(single mill)	789.4	3.8	ADJUSTMENT AS NEEDED
2-15-2013			0			0	15	20	300	300	150yrd(single mill)	795.0	5.6	
2-19-2013			0			0	10	20	200	200	100yrd(single mill)	798.0	3	
			0			0	0	0	0					
			0			0	0	0	0					
			0			0	0	0	0					
			0			0	0	0	0					
Feb Totals			0			0	50		1000	1000			16.9	
<b>MARCH 2013</b>														
3-4-2013			0			0	12	20	240	240	120yrd(single mill)	802.4	4.4	
3-20-2013			0			0	5	30	150	150	75yrd(single mill)	809.9	7.5	
3-21-2013			0			0	6	20	120	120	60yrd(Single mill)	813.0	3.1	
			0			0			0					
			0			0			0					
			0			0			0					
			0			0			0					
March Totals			0			0	23		510				15	
<b>APRIL 2013</b>														
4-4-2013			0			0	11	20	220	220	110yrd(single mill)	819.0	6	
4-5-2013			0			0	6	20	120	120	60yrd(single mill)	822.4	3.4	
4-8-2013			0			0	12	20	240	240	120yrd(single mill)	827.0	4.6	
4-9-2013			0			0	2	20	40	40	20yrd(single mill)	828.8	1.8	
4-10-2013			0			0	15	20	300	300	250yrd(double mill)	835.2	6.4	
4-11-2013			0			0	15	20	300	300	250yrd(double mill)	840.6	5.4	
4-15-2013			0			0	15	20	300	300	250yrd(double mill)	846.0	5.4	
4-16-2013							12	20	240	240	120yrd(single mill)	850.1	4.1	
4-17-2013							4	20	80	80	40yrd(single mill) LOGS	852.8	2.7	
4-24-2013							5	30	150	150	75yrd(single mill)	855.2	2.4	
4-25-2013							3	20	60	60	35yrd(single mill)	856.3	1.1	
4-30-2013			0			0	10	20	200	200	100yrd(single mill)	860.6	4.3	
April Totals			0			0	110		2250				47.6	59.5 hours since overhaul

<b>MAY 2013</b>													
5-13-2013			0			0	12	20	240	240	120yds(single mill)	866.8	6.2
5-14-2013			0			0	3	30	90	90	45yds(single mill)	869.2	2.4
5-27-2013			0			0	13	20	260	260	125yds(single mill)	876.4	7.2
5-28-2013			0			0	3	30	90	90	45yds(single mill)	877.5	1.1
			0			0							
			0			0	0		0				
			0			0	0		0				
May Totals			0			0	31		680				16.9
<b>JUNE 2013</b>													
6-11-13			0	0	0	0	14	20	280	280	145yds(single mill)	883.2	5.7
6-24-13			0	0	0	0	13	20	260	260	125yds(single mill)	889.0	5.8
6-25-13			0	0	0	0	15	20	300	300	150yds(Triple mill)	892.3	3.3
6-26-13			0	0	0	0	5	30	150	150	150yds(Triple mill)	898.0	5.7
6-27-13			0	0	0	0	5	30	150	150	150yds(Triple mill)	903.7	5.7
6-28-13			0	0	0	0	5	30	150	150	150yds(Triple mill)	905.4	1.7
			0	0	0	0	0	0	0				
			0	0	0	0	0	0	0				
June Totals			0	0		0	57		1290				27.9
<b>JULY 2013</b>													
7-8-13			0	0	0	0	11	20	220	220	110yds(SINGLE MILL)	910.2	4.8
7-24-13			0	0	0	0	4	30	120	120	60yds(single mill)	913.4	3.2
7-25-13			0	0	0	0	3	30	90	90	45yds(single mill)	915.1	1.7
			0	0	0	0	0	0	0				
			0	0	0	0	0	0	0				
			0	0	0	0	0	0	0				
			0	0	0	0	0	0	0				
July Totals			0	0		0	18		430				9.7
<b>AUGUST 2013</b>													
8-14-2013			0	0	0	0	8	30	240	240	120yds(double mill)	919.0	3.9
8-15-2013			0	0	0	0	10	20	200	200	100yds(double mill)	922.0	3
8-16-2013			0	0	0	0	15	20	300	300	150yds(double mill)	926.2	4.2
8-19-2013			0	0	0	0	15	20	300	300	150yds(double mill)	930.5	4.3
8-20-2013			0	0	0	0	15	20	300	300	150yds(double mill)	934.8	4.3
8-27-2013			0	0	0	0	10	20	200	200	100yds (single mill)	939.3	4.5
			0	0	0	0	0	0	0				
			0	0	0	0	0	0	0				
August Totals			0	0		0	73		1540				24.2
<b>SEPTEMBER 2013</b>													
9-11-2013			0	0	0	0	9	20	180	180	90yds(single mill)	942.6	3.3
9-25-2013			0	0	0	0	9	20	180	180	90yds(single mill)	945.3	2.7
			0	0	0	0	0	0	0				
			0	0	0	0	0	0	0				
			0	0	0	0	0	0	0				
			0	0	0	0	0	0	0				
			0	0	0	0	0	0	0				
Sept Totals			0	0		0	18		360				6

OCTOBER 2013													
10-10-2013			0	3	20	60	6	30	180	240	30yds leaf/ 80yds single mill	949.6	4.3
10-21-2013			0	6	20	120	3	20	60	180	60yds leaf/ 30yds single mill	955.0	5.4
10-22-2013			0	0		0	5	30	150	150	75yds single mill	958.1	3.1
10-23-2013			0	11	20	220	0	0	0	220	180yds leaf	963.8	5.7
			0	0		0	0	0					
			0	0		0	0	0					
			0	0		0	0	0					
			0	0		0	0	0					
Oct Totals			0	20	60	400	14		390	790			18.5
NOVEMBER 2013													
11-6-13			0	5	20	100	9	20	180	280	50yds leaf/90 yds single mill	969.2	5.4
11-11-13			0	8	30	240			0	240	120yds leaf	974.9	5.7
11-12-13			0	8	20	160	3	30	90	250	80yds leaf/45 single mill	977.7	2.8
11-18-13			0	10	20	200			0	200	100yds leaf	981.2	3.5
11-19-13			0	10	20	200			0	200	100yds leaf	987.2	6
11-25-13			0	13	20	260			0	260	130yds leaf	993.4	6.2
11-26-13			0	1	20	20	2	30	60	80	10yds leaf/30yds single mill	995.7	2.3
			0	0		0			0				
Nov. Totals			0	55		1180	14		330	1510			31.9
DECEMBER 2013													
12-27-13			0	4	20	80	30	3	90	170	40YRDS LEAF/45YRDS SINGLE MILL	1001.1	5.4
			0	0		0			0				
			0	0		0			0				
			0	0		0			0				
			0	0		0			0				
			0	0		0			0				
			0	0		0			0				
Dec. Totals			0	4		80	30		90				5.4
				<b>Loads</b>		<b>CYD</b>	<b>Loads</b>		<b>CYD</b>		<b>Total Loads 571/Total Cubic Yards 10,530</b>		
			0	79		1660	438		8870				
Year End Totals	Chips			Leaves			Brush						