



Department of Buildings and Facilities
Town of Hinesburg
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Memo

To: Selectboard
From: Rocky Martin 
Date: July 10, 2013
Re: Wastewater Reserve Capacity Allocation
CC: Joe Colangelo, Kayhon Bahar

It's time for the annual Wastewater Reserve Capacity Allocation. This is where we take a look at what the wastewater plant is permitted to discharge, what our average discharge was over the last year, how many allocations are already committed to get to what we have left to allocate. The amount left (Reserve) is divided up into three categories, Residential, Commercial and Institutional to be available for the upcoming fiscal year starting in July.

On the attached sheet, the top shows our permitted capacity for the plant, 250,000 gallons per day (gpd) minus last year's average flow of 143,667 gpd leaving a balance of 106,333 gpd. The approved allocations in each category (12,241 Residential, 3,901 Commercial and 2,000 Institutional) are subtracted leaving 88,191 gpd Uncommitted Reserve. This is divided up according to Allocation Ordinance as noted and leaves 47,734 gpd for residential (227 single family units at 210 gpd), and 20,457 gpd for commercial.

Also included is a sheet showing the wastewater plant testing results over the last year. BOD, TSS and Phosphorus results are way below discharge limits. Ammonia is tested only from June through September. Levels have come down significantly from last year, one was slightly higher than state standards.

Town of Hinesburg Wastewater Treatment Facility

Uncommitted Reserve Capacity report for FY 13-14

All figures in Gallons per Day

Permitted Wastewater Flow 250,000
 Plant Wastewater Flow (5/1/2012 through 4/30/2013) 143,667

Reserve Capacity 106,333

Less approved Allocations

Residential	Expires		
Blittersdorf (3 SFR units + Inf on NRG parcel)	6/30/15	830	
Green St LLC (22 units +Inf.)	6/30/14	4450	(20 units left + 250 Inf)
Hinesburg Hillside/Thistle Hill (3 SFR + 11-Phase 3)	6/30/14	1680	(8 units left)
Marie Aube Smith (1 SFR)	6/30/15	210	
South Farm Homes (3 units)	6/30/14	630	
Norris (1 unit)	6/30/15	210	
KB Real Estate@ 10004 Rte 116 (2 units)	6/30/15	420	
Riggs (1 unit)	6/30/15	210	
Milot Real Estate/Kinney (15 units+ Inf.)	8/30/13	3391	
Andrea Morgante Apt	5/24/16	210	
	Total Approved Residential Allocations		12,241

Enterprise/Commercial

Commerce Park/Act 250 approved Lot 15		200	
Green St LLC (1 building w/24 employees)	6/30/14	360	
Milot Real Estate/Kinney (2 units + Inf.)	8/30/13	301	
Martins Foods- Hannafords	2/27/16	2240	
Fletcher Allen Health Care	2/27/16	800	
	Total Approved Enterprise/Commercial Allocations		3,901

Institutional

CVU (Future Expansion approved 8/5/02)		2000	
	Total Approved Institutional Allocations		2,000

Total Committed Reserve Capacity 18,142

Uncommitted Reserve Capacity For FY 13-14 88,191

a)Institutional Reserve Capacity (per Allocation Ordinance 8/16/2010) 5,000

b)Saputo property Reserve, Tax Map # 20-5-66.000 (per Allocation Ordinance 8/16/2010) 10,000

c)Properties within "Existing Village Core" (per Allocation Ordinance 8/16/2010) 5,000

Residential Capacity For FY 13-14 (70% of Uncommitted Reserve minus a), b) and c) above) 47,734

Enterprise Capacity for FY 13-14 (30% of Uncommitted Reserve minus a), b) and c) above) 20,457

Month Year	IN	
	Inf Avg GPD	Inf Max GPD
May 2012	175,300	302,000
June 2012	135,300	193,000
July 2012	105,300	239,000
Aug 2012	94,900	170,000
Sept 2012	114,800	280,000
Oct 2012	171,700	409,000
Nov 2012	129,400	224,000
Dec 2012	145,500	230,000
Jan 2013	147,500	270,000
Feb 2013	121,800	175,000
March 2013	160,500	367,000
April 2013	144,700	213,000

Month Year	OUT						
	Eff Avg GPD	Eff Avg BOD mg/l	Eff Avg TSS mg/l	Eff Avg Phos mg/l	Eff Avg UOD lbs/day	Eff Avg Ammonia mg/l	
May 2012	172,000	9.80	26.00	0.30			
June 2012	146,000	7.30	21.50	0.10	59.52	6.30	
July 2012	93,000	4.90	10.50	0.20	33.62	8.60	No Eff flow part of month
Aug 2012	103,000	5.10	11.00	0.10	29.09	4.15	No Eff flow part of month
Sept 2012	133,000	6.50	17.50	0.20	21.48	0.34	
Oct 2012	189,000	7.00	12.00	0.20			
Nov 2012	166,000	2.00	7.00	0.20			
Dec 2012	164,000	2.00	3.50	0.38			
Jan 2013	124,000	2.00	5.00	0.30			
Feb 2013	113,000	5.80	7.50	0.30			
March 2013	174,000	20.10	14.00	0.70			
April 2013	147,000	16.00	16.50	0.30			

Permit Limits/Standards	250,000	30 mg/l	45 mg/l	.8 mg/l	400 lbs/day	5.96 mg/l
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Avg 5-1-12 to 4-30-13	143,667	7.38	12.67	0.27		
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