196 Baker Avenue, Concord, Massachusetts 01742

July 14, 2004

Secretary Ellen Roy Herzfelder
Secretary of Environmental Affairs
251 Causeway Street, Suite 900
Boston, MA 02114
Attention: Nicholas Zavolas - MEPA Unit

Subject: EOEA No. 12617 - CWMP/FEIR Phase III
Nantucket, Massachusetts

Telephone
978.371.4000
Facsimile
978.371.2468

Dear Secretary Herzfelder:

Enclosed please find three (3) copies of supplemental information to the Report entitled "Comprehensive Wastewater Management Plan and Final Environmental Impact Report Phase III (Phase III Report), which was filed March 31, 2004 and received a MEPA Certificate on May 14, 2004. This supplemental filing contains information that was either requested by commenters or data received after the March 31, 2004 CWMP/FEIR filing. Enclosed please find the following:

- Sample scenarios of individual costing information for each Study Areas - monthly and yearly
- Copies of approved Town Meeting Articles (April 2004) for (1) Sewer Districts; (2) Preliminary Design Report for Surfside WWTF; and (3) Infiltration and Inflow Studies.
- Supplemental information requested by Coastal Zone Management
- Proposal for supplemental studies at Surfside WWTF conforming to The Natural Heritage & Endangered Species Program (NHESP) request.

This supplemental information has been provided to all parties on the distribution list in Section 7 of the Phase III Report. In addition, it has been included in the six (6) Depositories for public review located in the Selectmen and Town Clerk's Offices in the Town Hall, Department of Public Works, Nantucket Land Council, Nantucket Planning and Economic Development Commission and at the Athenaeum (Public Library). The complete CWMP/EIR Report, as well as all supplemental information, can also be accessed at the Town's website at www.nantucket-ma.gov.

A Public Hearing for the Phase III CWMP/FEIR is scheduled for Tuesday, July 27, 2004. Advertisements for the Public Hearing began in the local papers on June 13, 2004 and notices have been posted in various Town buildings.

L:\work\27355\PROJ\Report\Phase III\Supplemental Phase 3 submittal.doc

196 Baker Avenue, Concord, Massachusetts 01742

If you have questions regarding this project, please contact the undersigned at 978-371-4142.

Very truly yours,
Earth Tech, Inc.

Rosemary T. Blacquier
Project Engineer

cc: Phase III Distribution List
enclosures

Telephone

978.371.4000

Facsimile

978.371.2468

WARRENS LANDING BETTERMENT CALCULATIONS-25%

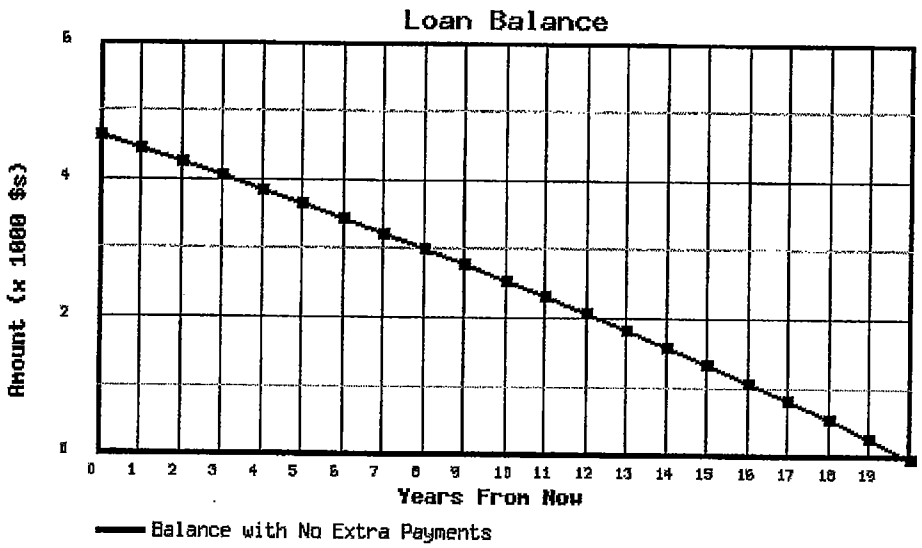
Loan Amount	Interest Rate	Term	Start Date
$ 4,662	2 %	20 years	Jan 2005

Summary of Payments & Interest	
Your Monthly Payment will be	$ 23.58
Total Interest Paid over Life of Loan	$ 998.23
Interest Paid in 2005	$ 91.49
Interest Paid in 2006	$ 87.63
Average Monthly Interest over Life of Loan	$ 4.16

Payment Schedule for 2005			
Month	Principal Paid	Interest Paid	Loan Balance
Jan 2005	$ 15.81	$ 7.77	$ 4,646.19
Feb 2005	$ 15.84	$ 7.74	$ 4,630.35
Mar 2005	$ 15.87	$ 7.72	$ 4,614.48
Apr 2005	$ 15.89	$ 7.69	$ 4,598.58
May 2005	$ 15.92	$ 7.66	$ 4,582.66
Jun 2005	$ 15.95	$ 7.64	$ 4,566.72
Jul 2005	$ 15.97	$ 7.61	$ 4,550.74
Aug 2005	$ 16.00	$ 7.58	$ 4,534.75
Sep 2005	$ 16.03	$ 7.56	$ 4,518.72
Oct 2005	$ 16.05	$ 7.53	$ 4,502.67
Nov 2005	$ 16.08	$ 7.50	$ 4,486.59
Dec 2005	$ 16.11	$ 7.48	$ 4,470.48

Yearly Payment Schedule			
Year	Principal Paid	Interest Paid	Loan Balance
Year 2005	$ 191.52	$ 91.49	$ 4,470.48
Year 2006	$ 195.39	$ 87.63	$ 4,275.09
Year 2007	$ 199.33	$ 83.68	$ 4,075.76
Year 2008	$ 203.35	$ 79.66	$ 3,872.41
Year 2009	$ 207.46	$ 75.55	$ 3,664.95
Year 2010	$ 211.65	$ 71.37	$ 3,453.31
Year 2011	$ 215.92	$ 67.09	$ 3,237.39
Year 2012	$ 220.28	$ 62.74	$ 3,017.11
Year 2013	$ 224.72	$ 58.29	$ 2,792.39
Year 2014	$ 229.26	$ 53.75	$ 2,563.13
Year 2015	$ 233.88	$ 49.13	$ 2,329.25
Year 2016	$ 238.61	$ 44.41	$ 2,090.64

Year 2017	$ 243.42	$ 39.59	$ 1,847.22
Year 2018	$ 248.34	$ 34.68	$ 1,598.89
Year 2019	$ 253.35	$ 29.66	$ 1,345.54
Year 2020	$ 258.46	$ 24.55	$ 1,087.08
Year 2021	$ 263.68	$ 19.33	$ 823.40
Year 2022	$ 269.00	$ 14.01	$ 554.40
Year 2023	$ 274.43	$ 8.58	$ 279.97
Year 2024	$ 279.97	$ 3.04	$ 0.00



MONOMOY BETTERMENT CALCULATIONS -25%

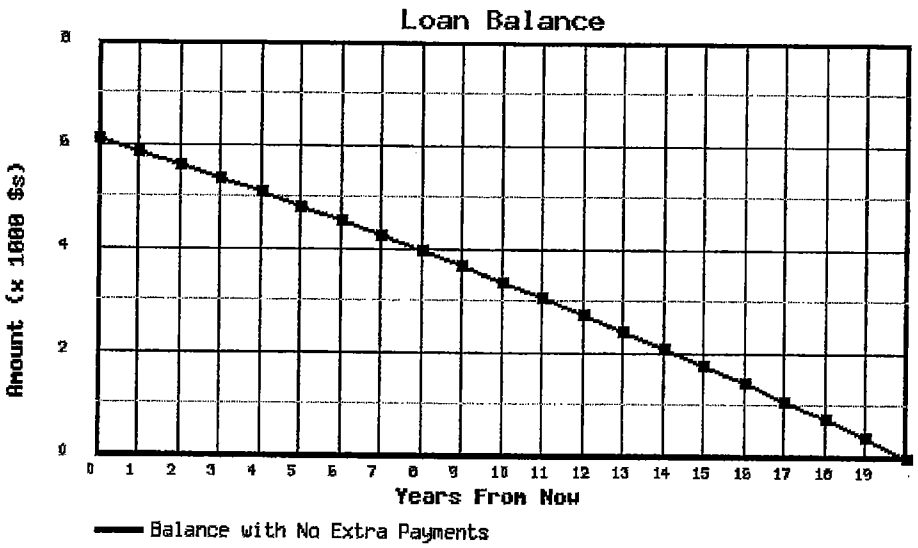
Loan Amount	Interest Rate	Term	Start Date
$ 6,141	2 %	20 years	Jan 2005

Summary of Payments & Interest	
Your Monthly Payment will be	$ 31.07
Total Interest Paid over Life of Loan	$ 1,314.91
Interest Paid in 2005	$ 120.52
Interest Paid in 2006	$ 115.42
Average Monthly Interest over Life of Loan	$ 5.48

Payment Schedule for 2005			
Month	Principal Paid	Interest Paid	Loan Balance
Jan 2005	$ 20.83	$ 10.24	$ 6,120.17
Feb 2005	$ 20.87	$ 10.20	$ 6,099.30
Mar 2005	$ 20.90	$ 10.17	$ 6,078.40
Apr 2005	$ 20.94	$ 10.13	$ 6,057.47
May 2005	$ 20.97	$ 10.10	$ 6,036.50
Jun 2005	$ 21.01	$ 10.06	$ 6,015.49
Jul 2005	$ 21.04	$ 10.03	$ 5,994.45
Aug 2005	$ 21.08	$ 9.99	$ 5,973.37
Sep 2005	$ 21.11	$ 9.96	$ 5,952.26
Oct 2005	$ 21.15	$ 9.92	$ 5,931.12
Nov 2005	$ 21.18	$ 9.89	$ 5,909.94
Dec 2005	$ 21.22	$ 9.85	$ 5,888.72

Yearly Payment Schedule			
Year	Principal Paid	Interest Paid	Loan Balance
Year 2005	$ 252.28	$ 120.52	$ 5,888.72
Year 2006	$ 257.37	$ 115.42	$ 5,631.35
Year 2007	$ 262.57	$ 110.23	$ 5,368.78
Year 2008	$ 267.87	$ 104.93	$ 5,100.92
Year 2009	$ 273.27	$ 99.52	$ 4,827.64
Year 2010	$ 278.79	$ 94.01	$ 4,548.85
Year 2011	$ 284.42	$ 88.38	$ 4,264.44
Year 2012	$ 290.16	$ 82.64	$ 3,974.28
Year 2013	$ 296.01	$ 76.78	$ 3,678.27
Year 2014	$ 301.99	$ 70.81	$ 3,376.28
Year 2015	$ 308.08	$ 64.71	$ 3,068.19
Year 2016	$ 314.30	$ 58.49	$ 2,753.89

Year 2017	$ 320.65	$ 52.15	$ 2,433.24
Year 2018	$ 327.12	$ 45.68	$ 2,106.13
Year 2019	$ 333.72	$ 39.07	$ 1,772.41
Year 2020	$ 340.46	$ 32.34	$ 1,431.95
Year 2021	$ 347.33	$ 25.47	$ 1,084.62
Year 2022	$ 354.34	$ 18.46	$ 730.28
Year 2023	$ 361.49	$ 11.30	$ 368.79
Year 2024	$ 368.79	$ 4.01	$ 0.00



MADAKET BETTERMENT CALCULATIONS -25%

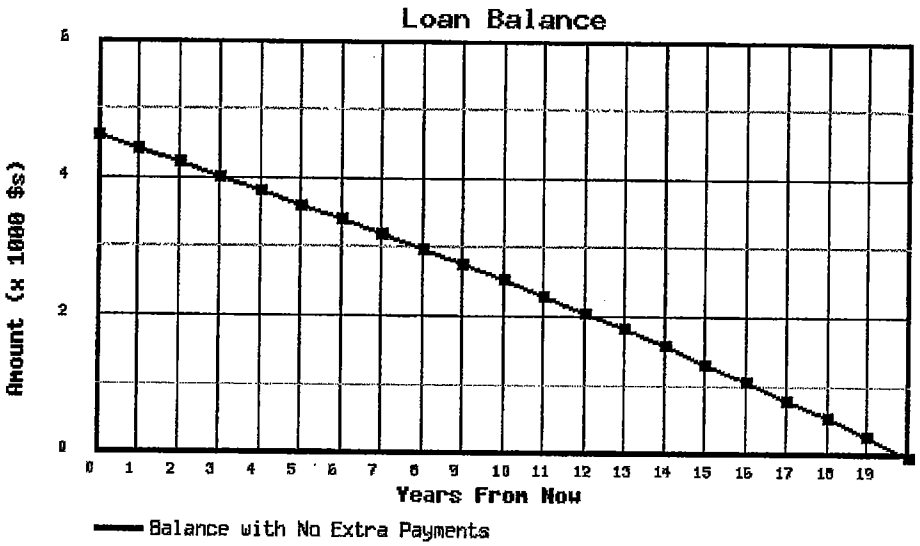
Loan Amount	Interest Rate	Term	Start Date
$ 4,614	2 %	20 years	Jan 2005

Summary of Payments & Interest	
Your Monthly Payment will be	$ 23.34
Total Interest Paid over Life of Loan	$ 987.95
Interest Paid in 2005	$ 90.55
Interest Paid in 2006	$ 86.72
Average Monthly Interest over Life of Loan	$ 4.12

Payment Schedule for 2005			
Month	Principal Paid	Interest Paid	Loan Balance
Jan 2005	$ 15.65	$ 7.69	$ 4,598.35
Feb 2005	$ 15.68	$ 7.66	$ 4,582.67
Mar 2005	$ 15.70	$ 7.64	$ 4,566.97
Apr 2005	$ 15.73	$ 7.61	$ 4,551.24
May 2005	$ 15.76	$ 7.59	$ 4,535.48
Jun 2005	$ 15.78	$ 7.56	$ 4,519.70
Jul 2005	$ 15.81	$ 7.53	$ 4,503.89
Aug 2005	$ 15.83	$ 7.51	$ 4,488.06
Sep 2005	$ 15.86	$ 7.48	$ 4,472.19
Oct 2005	$ 15.89	$ 7.45	$ 4,456.31
Nov 2005	$ 15.91	$ 7.43	$ 4,440.39
Dec 2005	$ 15.94	$ 7.40	$ 4,424.45

Yearly Payment Schedule			
Year	Principal Paid	Interest Paid	Loan Balance
Year 2005	$ 189.55	$ 90.55	$ 4,424.45
Year 2006	$ 193.37	$ 86.72	$ 4,231.08
Year 2007	$ 197.28	$ 82.82	$ 4,033.80
Year 2008	$ 201.26	$ 78.84	$ 3,832.54
Year 2009	$ 205.32	$ 74.78	$ 3,627.22
Year 2010	$ 209.47	$ 70.63	$ 3,417.75
Year 2011	$ 213.69	$ 66.40	$ 3,204.06
Year 2012	$ 218.01	$ 62.09	$ 2,986.05
Year 2013	$ 222.41	$ 57.69	$ 2,763.64
Year 2014	$ 226.90	$ 53.20	$ 2,536.74
Year 2015	$ 231.48	$ 48.62	$ 2,305.27
Year 2016	$ 236.15	$ 43.95	$ 2,069.12

Year 2017	$ 240.92	$ 39.18	$ 1,828.20
Year 2018	$ 245.78	$ 34.32	$ 1,582.42
Year 2019	$ 250.74	$ 29.36	$ 1,331.69
Year 2020	$ 255.80	$ 24.30	$ 1,075.88
Year 2021	$ 260.96	$ 19.13	$ 814.92
Year 2022	$ 266.23	$ 13.87	$ 548.69
Year 2023	$ 271.60	$ 8.49	$ 277.09
Year 2024	$ 277.09	$ 3.01	$ 0.00



SOMERSET BETTERMENT CALCULATIONS -25%

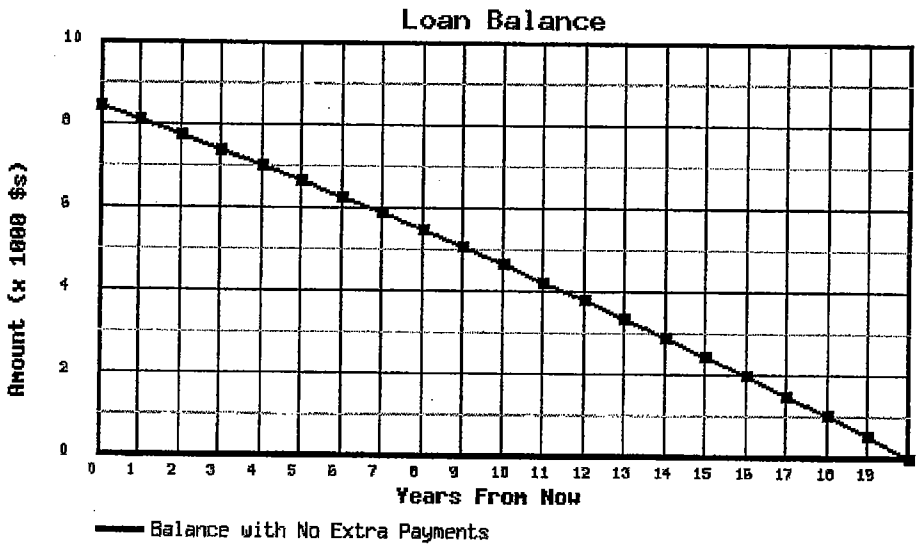
Loan Amount	Interest Rate	Term	Start Date
$ 8,450	2 %	20 years	Jan 2005

Summary of Payments & Interest	
Your Monthly Payment will be	$ 42.75
Total Interest Paid over Life of Loan	$ 1,809.31
Interest Paid in 2005	$ 165.83
Interest Paid in 2006	$ 158.82
Average Monthly Interest over Life of Loan	$ 7.54

Payment Schedule for 2005			
Month	Principal Paid	Interest Paid	Loan Balance
Jan 2005	$ 28.66	$ 14.08	$ 8,421.34
Feb 2005	$ 28.71	$ 14.04	$ 8,392.62
Mar 2005	$ 28.76	$ 13.99	$ 8,363.87
Apr 2005	$ 28.81	$ 13.94	$ 8,335.06
May 2005	$ 28.86	$ 13.89	$ 8,306.20
Jun 2005	$ 28.90	$ 13.84	$ 8,277.30
Jul 2005	$ 28.95	$ 13.80	$ 8,248.35
Aug 2005	$ 29.00	$ 13.75	$ 8,219.35
Sep 2005	$ 29.05	$ 13.70	$ 8,190.30
Oct 2005	$ 29.10	$ 13.65	$ 8,161.20
Nov 2005	$ 29.15	$ 13.60	$ 8,132.06
Dec 2005	$ 29.19	$ 13.55	$ 8,102.86

Yearly Payment Schedule			
Year	Principal Paid	Interest Paid	Loan Balance
Year 2005	$ 347.14	$ 165.83	$ 8,102.86
Year 2006	$ 354.14	$ 158.82	$ 7,748.72
Year 2007	$ 361.29	$ 151.67	$ 7,387.43
Year 2008	$ 368.58	$ 144.38	$ 7,018.85
Year 2009	$ 376.02	$ 136.94	$ 6,642.82
Year 2010	$ 383.61	$ 129.35	$ 6,259.21
Year 2011	$ 391.36	$ 121.61	$ 5,867.85
Year 2012	$ 399.26	$ 113.71	$ 5,468.60
Year 2013	$ 407.31	$ 105.65	$ 5,061.28
Year 2014	$ 415.54	$ 97.43	$ 4,645.75
Year 2015	$ 423.92	$ 89.04	$ 4,221.83
Year 2016	$ 432.48	$ 80.49	$ 3,789.35

Year 2017	$ 441.21	$ 71.76	$ 3,348.14
Year 2018	$ 450.11	$ 62.85	$ 2,898.02
Year 2019	$ 459.20	$ 53.77	$ 2,438.83
Year 2020	$ 468.47	$ 44.50	$ 1,970.36
Year 2021	$ 477.92	$ 35.04	$ 1,492.43
Year 2022	$ 487.57	$ 25.40	$ 1,004.86
Year 2023	$ 497.41	$ 15.55	$ 507.45
Year 2024	$ 507.45	$ 5.51	$ 0.00



SHIMMO BETTERMENT CALCULATIONS-25%

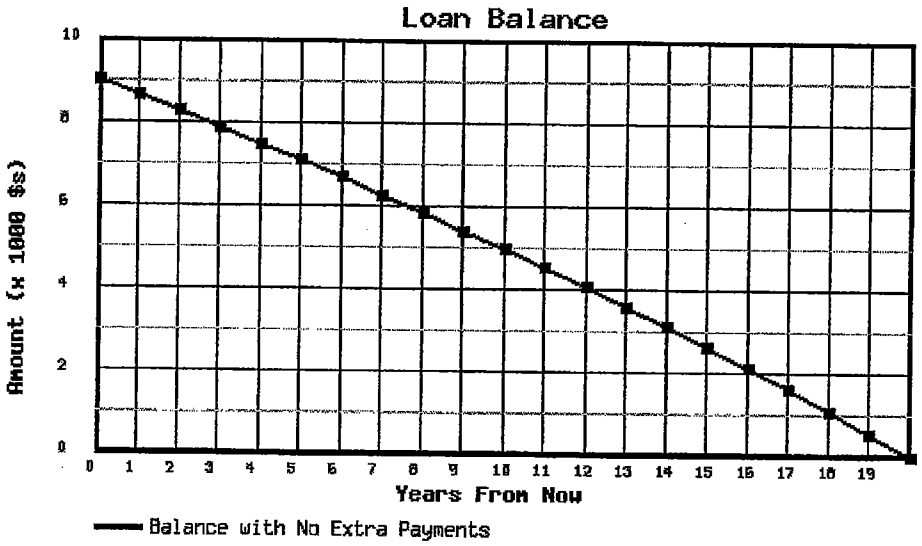
Loan Amount	Interest Rate	Term	Start Date
$ 9,024	2 %	20 years	Jan 2005

Summary of Payments & Interest	
Your Monthly Payment will be	$ 45.65
Total Interest Paid over Life of Loan	$ 1,932.22
Interest Paid in 2005	$ 177.09
Interest Paid in 2006	$ 169.61
Average Monthly Interest over Life of Loan	$ 8.05

Payment Schedule for 2005			
Month	Principal Paid	Interest Paid	Loan Balance
Jan 2005	$ 30.61	$ 15.04	$ 8,993.39
Feb 2005	$ 30.66	$ 14.99	$ 8,962.73
Mar 2005	$ 30.71	$ 14.94	$ 8,932.01
Apr 2005	$ 30.76	$ 14.89	$ 8,901.25
May 2005	$ 30.82	$ 14.84	$ 8,870.43
Jun 2005	$ 30.87	$ 14.78	$ 8,839.57
Jul 2005	$ 30.92	$ 14.73	$ 8,808.65
Aug 2005	$ 30.97	$ 14.68	$ 8,777.68
Sep 2005	$ 31.02	$ 14.63	$ 8,746.66
Oct 2005	$ 31.07	$ 14.58	$ 8,715.58
Nov 2005	$ 31.12	$ 14.53	$ 8,684.46
Dec 2005	$ 31.18	$ 14.47	$ 8,653.28

Yearly Payment Schedule			
Year	Principal Paid	Interest Paid	Loan Balance
Year 2005	$ 370.72	$ 177.09	$ 8,653.28
Year 2006	$ 378.20	$ 169.61	$ 8,275.08
Year 2007	$ 385.83	$ 161.98	$ 7,889.25
Year 2008	$ 393.62	$ 154.19	$ 7,495.63
Year 2009	$ 401.57	$ 146.24	$ 7,094.06
Year 2010	$ 409.67	$ 138.14	$ 6,684.39
Year 2011	$ 417.94	$ 129.87	$ 6,266.45
Year 2012	$ 426.38	$ 121.43	$ 5,840.07
Year 2013	$ 434.98	$ 112.83	$ 5,405.09
Year 2014	$ 443.76	$ 104.05	$ 4,961.33
Year 2015	$ 452.72	$ 95.09	$ 4,508.61
Year 2016	$ 461.86	$ 85.95	$ 4,046.75

Year 2017	$ 471.18	$ 76.63	$ 3,575.57
Year 2018	$ 480.69	$ 67.12	$ 3,094.88
Year 2019	$ 490.39	$ 57.42	$ 2,604.49
Year 2020	$ 500.29	$ 47.52	$ 2,104.20
Year 2021	$ 510.39	$ 37.42	$ 1,593.81
Year 2022	$ 520.69	$ 27.12	$ 1,073.12
Year 2023	$ 531.20	$ 16.61	$ 541.92
Year 2024	$ 541.92	$ 5.89	$ 0.00



INNOVATIVE/ALTERNATIVE CALCULATIONS -100%

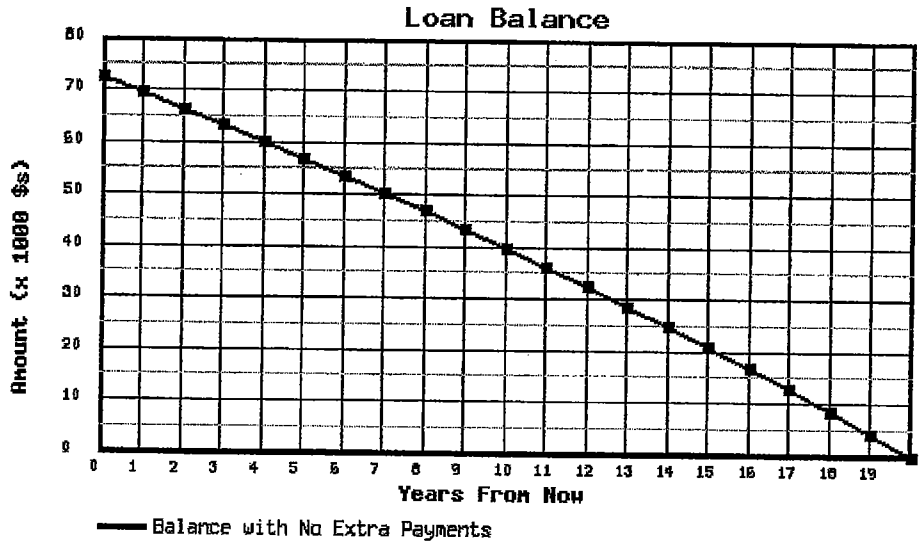
Loan Amount	Interest Rate	Term	Start Date
$ 72,500	2 %	20 years	Jan 2005

Summary of Payments & Interest	
Your Monthly Payment will be	$ 366.77
Total Interest Paid over Life of Loan	$ 15,523.70
Interest Paid in 2005	$ 1,422.80
Interest Paid in 2006	$ 1,362.68
Average Monthly Interest over Life of Loan	$ 64.68

Payment Schedule for 2005			
Month	Principal Paid	Interest Paid	Loan Balance
Jan 2005	$ 245.93	$ 120.83	$ 72,254.07
Feb 2005	$ 246.34	$ 120.42	$ 72,007.73
Mar 2005	$ 246.75	$ 120.01	$ 71,760.97
Apr 2005	$ 247.16	$ 119.60	$ 71,513.81
May 2005	$ 247.58	$ 119.19	$ 71,266.23
Jun 2005	$ 247.99	$ 118.78	$ 71,018.25
Jul 2005	$ 248.40	$ 118.36	$ 70,769.84
Aug 2005	$ 248.82	$ 117.95	$ 70,521.03
Sep 2005	$ 249.23	$ 117.54	$ 70,271.80
Oct 2005	$ 249.65	$ 117.12	$ 70,022.15
Nov 2005	$ 250.06	$ 116.70	$ 69,772.09
Dec 2005	$ 250.48	$ 116.29	$ 69,521.61

Yearly Payment Schedule			
Year	Principal Paid	Interest Paid	Loan Balance
Year 2005	$ 2,978.39	$ 1,422.80	$ 69,521.61
Year 2006	$ 3,038.51	$ 1,362.68	$ 66,483.11
Year 2007	$ 3,099.84	$ 1,301.35	$ 63,383.27
Year 2008	$ 3,162.40	$ 1,238.78	$ 60,220.87
Year 2009	$ 3,226.23	$ 1,174.95	$ 56,994.63
Year 2010	$ 3,291.35	$ 1,109.83	$ 53,703.28
Year 2011	$ 3,357.79	$ 1,043.40	$ 50,345.49
Year 2012	$ 3,425.56	$ 975.62	$ 46,919.93
Year 2013	$ 3,494.71	$ 906.48	$ 43,425.22
Year 2014	$ 3,565.24	$ 835.94	$ 39,859.98
Year 2015	$ 3,637.21	$ 763.98	$ 36,222.77
Year 2016	$ 3,710.62	$ 690.56	$ 32,512.15

Year 2017	$ 3,785.52	$ 615.67	$ 28,726.63
Year 2018	$ 3,861.93	$ 539.26	$ 24,864.71
Year 2019	$ 3,939.88	$ 461.31	$ 20,924.83
Year 2020	$ 4,019.40	$ 381.79	$ 16,905.43
Year 2021	$ 4,100.53	$ 300.66	$ 12,804.90
Year 2022	$ 4,183.30	$ 217.89	$ 8,621.61
Year 2023	$ 4,267.73	$ 133.45	$ 4,353.87
Year 2024	$ 4,353.87	$ 47.31	$ 0.00



STANDARD TITLE 5 REPLACEMENT CALCULATIONS-100%

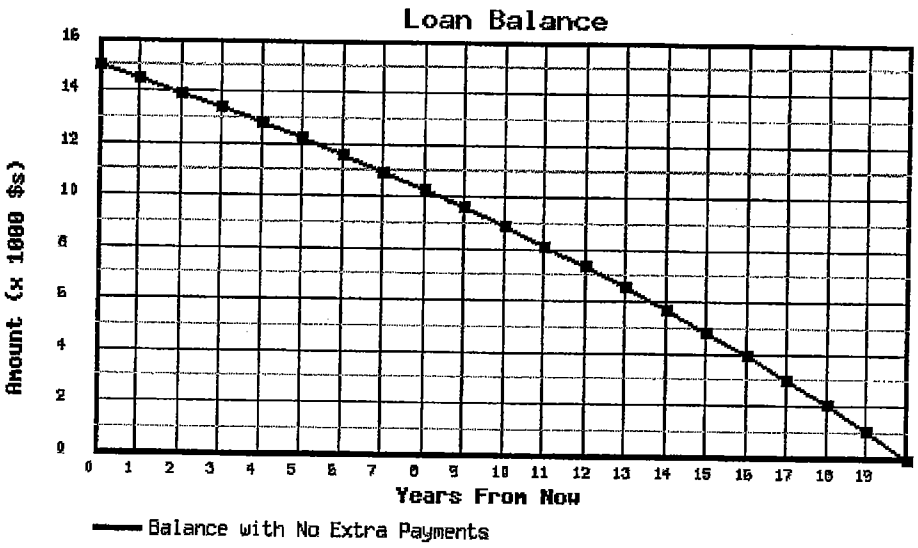
Loan Amount	Interest Rate	Term	Start Date
$ 15,000	3.75 %	20 years	Jan 2005

Summary of Payments & Interest	
Your Monthly Payment will be	$ 88.93
Total Interest Paid over Life of Loan	$ 6,343.98
Interest Paid in 2005	$ 553.73
Interest Paid in 2006	$ 534.15
Average Monthly Interest over Life of Loan	$ 26.43

Payment Schedule for 2005			
Month	Principal Paid	Interest Paid	Loan Balance
Jan 2005	$ 42.06	$ 46.88	$ 14,957.94
Feb 2005	$ 42.19	$ 46.74	$ 14,915.75
Mar 2005	$ 42.32	$ 46.61	$ 14,873.43
Apr 2005	$ 42.45	$ 46.48	$ 14,830.98
May 2005	$ 42.59	$ 46.35	$ 14,788.39
Jun 2005	$ 42.72	$ 46.21	$ 14,745.67
Jul 2005	$ 42.85	$ 46.08	$ 14,702.82
Aug 2005	$ 42.99	$ 45.95	$ 14,659.83
Sep 2005	$ 43.12	$ 45.81	$ 14,616.71
Oct 2005	$ 43.26	$ 45.68	$ 14,573.45
Nov 2005	$ 43.39	$ 45.54	$ 14,530.06
Dec 2005	$ 43.53	$ 45.41	$ 14,486.54

Yearly Payment Schedule			
Year	Principal Paid	Interest Paid	Loan Balance
Year 2005	$ 513.46	$ 553.73	$ 14,486.54
Year 2006	$ 533.05	$ 534.15	$ 13,953.48
Year 2007	$ 553.39	$ 513.81	$ 13,400.09
Year 2008	$ 574.50	$ 492.70	$ 12,825.59
Year 2009	$ 596.42	$ 470.78	$ 12,229.17
Year 2010	$ 619.18	$ 448.02	$ 11,609.99
Year 2011	$ 642.80	$ 424.40	$ 10,967.19
Year 2012	$ 667.32	$ 399.88	$ 10,299.87
Year 2013	$ 692.78	$ 374.42	$ 9,607.09
Year 2014	$ 719.21	$ 347.99	$ 8,887.88
Year 2015	$ 746.65	$ 320.55	$ 8,141.23
Year 2016	$ 775.14	$ 292.06	$ 7,366.10

Year 2017	$ 804.71	$ 262.49	$ 6,561.39
Year 2018	$ 835.41	$ 231.79	$ 5,725.98
Year 2019	$ 867.28	$ 199.92	$ 4,858.70
Year 2020	$ 900.37	$ 166.83	$ 3,958.33
Year 2021	$ 934.72	$ 132.48	$ 3,023.61
Year 2022	$ 970.38	$ 96.82	$ 2,053.23
Year 2023	$ 1,007.40	$ 59.80	$ 1,045.83
Year 2024	$ 1,045.83	$ 21.37	$ 0.00



TOWN OF NANTUCKET CWMP/FEIR
AVERAGE HOUSEHOLD COST SCENARIOS

1) 25/75 Betterment/Tax Rate - Monthly Costs ***Yearly Costs***

Financed through Town as Municipal Lien over 20 Years at 2 percent interest

Madaket-Total Betterment $4,614.00		**Yearly Total**
Betterment	$23.34	
O&M	$54.42	
Total	**$77.76** per month plus taxes	**$933.12** plus taxes

Warrens Landing-Total Betterment $4,662.00		
Betterment	$23.58	
O&M	$54.42	
Total	**$78.00** per month plus taxes	**$936.00** plus taxes

Monomoy-Total Betterment $6,141.00		
Betterment	$31.07	
O&M	$54.42	
Total	**$85.49** per month plus taxes	**$1,025.88** plus taxes

Somerset-Total Betterment $8,450.00		
Betterment	$42.75	
O&M	$54.42	
Total	**$97.17** per month plus taxes	**$1,166.04** plus taxes

Shimmo-Total Betterment $9,024.00		
Betterment	$45.65	
O&M	$54.42	
Total	**$100.07** per month plus taxes	**$1,200.84** plus taxes

2) Innovative/Alternative Option Financed Through Town Over 20 Years at 2 Percent - Total Cost 72,500.00

All Areas: **$366.77** (includes O & M) **$4,401.24** plus taxes

3) Standard Title 5 Replacement Financed Over 20 Years Privately at 3.75 Percent (Avg. Home Equity rate) - Total Cost $15,000.00

All Areas: **$88.93** per month **$1,067.16** plus taxes

Taxes

($1.03 average over 20-year period per thousand valuation)
Taxes include:
Existing sewer debt $0.47
Tax rate for new debt ranges from $0.19 to $0.02 (per$1000. Valuation), averaging $0.41 over 20-year p
Maximum year is $1.06, which includes existing and new

Average assessed single family residence 2004-$1,050,000.

Example:	**Monthly Total**	**Yearly Total**
Madaket - 25/75 monthly cost	$77.76	
At maximum tax rate of $1.06	$92.75	
	$170.51	**$2,046.12**
Madaket - 25/75 monthly cost	$77.76	
At lowest tax rate of $0.02	$42.87	
(includes existing debt 0f $0.47)	**$120.63**	**$1,447.56**
Madaket - I/A	$366.77	
Taxes-maximum year	$92.75	
	$459.52	**$5,514.24**
Madaket - Title 5 Replacement	$88.93	
Taxes-maximum year	$92.75	
	$181.68	**$2,180.16**

NOTE: These estimates are based on the following assumptions:
1) CWMP is implemented fully as detailed in the Phase III FEIR
2) All costs are financed over the 20-year planning period
3) Taxes are based on year to year valuations

NOTE: All costs can be paid in full at the time of billing and avoid all interest charges

Town of Nantucket

OFFICE OF THE
TOWN CLERK

16 Broad Street
NANTUCKET, MASSACHUSETTS 02554-3590

Catherine Flanagan Stover, CMC, CMMC
Town Clerk

(508) 228-7217
FAX (508) 325-5313
Home: (508) 228-7841
Email: twnclerk@nantucket.net

April 13, 2004

TO WHOM IT MAY CONCERN:

I, Catherine Flanagan Stover, duly elected Clerk of the Town of Nantucket, hereby certify that the April 12, 2004 ANNUAL TOWN MEETING adopted **Article 13: "Appropriation: Enterprise Funds Capital Expenditures"** at the April 13, 2004 adjourned session.

TECHNICAL CORRECTION VIA THE MODERATOR:

Add a subsection "k" to each reference (there are two references) to G.L. c. 59, s. 21C, so that it reads G.L. c. 59, s. 21C(k).

VOTE: The vote on the motion pursuant to Article 13 as recommended by the Finance Committee, was by Unanimous Voice Vote. The motion was adopted.

Catherine Flanagan Stover, CMC, CMMC
Town Clerk

ARTICLE 13

(Appropriation: Enterprise Funds Capital Expenditures)

To see what sums the Town will vote to appropriate from the sources indicated below, for the purposes of capital expenditures in FY 2005 for the following Enterprise Funds established under the jurisdiction of the Town of Nantucket: Nantucket Memorial Airport, Wannacomet Water Company, Siasconset Water Company, Sewer Enterprise, and Solid Waste Enterprise.

(Board of Selectmen for the Various Departments Indicated)

FINANCE COMMITTEE MOTION: Moved that the following capital expenditures be approved for the Enterprise Fund departments for Fiscal Year 2005 with the Airport appropriations to be expended through the Airport Commission, and that the Sewer Enterprise appropriations to be expended through the Board of Public Works:

DEPARTMENT	*ITEMS*	*AMOUNT*
Airport	Runway 6 Rehabilitation – Supplemental Funding	$2,557,400
Airport	Housing Improvements	$100,000
Airport	Replace Airfield Vehicles, including the authority to sell, convey or otherwise dispose of replaced vehicles	$100,000
Airport	Rehabilitate Fuel Farm	$70,000
Airport	Macy Lane Bike Path & Airport Entryway –Supplemental Funding	$250,000
Subtotal		$3,077,400
Sewer	Design, Engineering & Related Costs for Infiltration/Inflow Improvements	$1,100,000
Sewer	Design, Engineering & Related Costs for Upgrade to Surfside Wastewater Treatment Facility	$2,250,000
Sewer	Construction and Related Costs for Infiltration/Inflow Improvements	$2,330,000
Subtotal		$5,680,000
TOTAL		$8,757,400

And, to meet these appropriations, that the following funding sources be used:

FUNDING SOURCE	*AMOUNT*
Airport Borrowing	**$3,077,400**
Sewer Borrowing	**$2,480,000**
Sewer Prior Year Articles*	**$3,200,000**

Article 1 of February 5, 1987 Special Town Meeting as amended by Article 103 of 1987 Annual Town Meeting and Article 18 of 1988 Annual Town Meeting

Further, that the Treasurer of the Town of Nantucket, with the approval of the Board of Selectmen, borrow the sum of Three Million Seventy-seven Thousand Four Hundred Dollars ($3,077,400) in anticipation of federal and/or state grants, with the intent that any and all repayments and debt service (if applicable) are to come from Airport revenues; and, that the Treasurer of the Town with the approval of the Board of Selectmen borrow the sum of One Hundred Fifty Thousand Dollars ($150,000) as a general obligation of the Town, with the intent that all repayments and debt service are to come from General Fund revenues, contingent upon the passage by ballot of a referendum question exempting the principal so borrowed and interest from the limitations of Proposition 2½ so-called (G.L. Ch. 59, s. 21C); and, that the Treasurer of the Town will the approval of the Board of Selectmen be authorized to borrow Two Million Three Hundred Thirty Thousand Dollars ($2,330,000) from the Massachusetts Water Pollution Abatement Trust and/or the State Revolving Loan Fund pursuant to chapter 29C of the general laws or any other source, or pursuant to any other applicable statute, it being the intent that such additional borrowing be general obligation bonds of the town with repayment costs to be paid for from the General Fund, contingent upon the passage by ballot of a referendum question exempting the principal so borrowed and interest from the limitations of Proposition 2 ½ so-called (G.L. c. 59, s. 21C).

Town of Nantucket

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April 16, 2004

TO WHOM IT MAY CONCERN:

I, Catherine Flanagan Stover, duly elected Clerk of the Town of Nantucket, hereby certify that the April 12, 2004 ANNUAL TOWN MEETING adopted **Article 56: "Bylaw Amendment: Sewer and Wastewater Facilities"** at the April 15, 2004.

MOTION FROM THE FLOOR: To Table.

VOTE: The vote on the motion to Table Article 56 was defeated by Majority Voice Vote. The motion was not adopted.

VOTE: The vote on the motion pursuant to Article 56 as recommended by the Finance Committee, was by Majority Voice Vote. The motion was adopted.

Catherine Flanagan Stover, CMC, CMMC
Town Clerk

ARTICLE 56

(Bylaw Amendment: Sewers and Wastewater Facilities)

To see if the Town will vote to adopt the sewer districts having the metes and bounds, area and territory having the capacity and other parameters as is set forth in a Plan on file with the office of the Board of Selectmen, or to take any other action with respect thereto.

(Board of Selectmen)

FINANCE COMMITTEE MOTION: Moved that Chapter 41 (Board of Sewer Commissioners) of the Code of the Town of Nantucket, is hereby amended as follows *(NOTE: new language is shown as highlighted text; language to be deleted is shown by strikeout; these methods to denote changes are not meant to become part of the final text)*:

Add a new Section 41-3, as follows:

§ 41-3. Sewer Districts.

The Board of Sewer Commissioners is authorized to layout, construct, maintain and operate a system or systems of common sewers and main drains in public or private ways for a part of the Town as set forth below for the public convenience or the public health with such connections and other works as may be required for a system or systems of sewerage or drainage and sewage treatment and disposal within the sewer districts set forth below. Such works for sewage treatment and disposal may include any wastewater treatment facility for treating, neutralizing or stabilizing sewage including treatment or disposal plants; the necessary intercepting, outfall and outlet sewers, pumping stations integral to such facilities; and equipment and appurtenances related to the foregoing. For the purposes of this chapter the word "sewage" shall mean wastewater from homes, public buildings, commercial or industrial establishments, or any combination thereof, and shall include any surface or ground water that may be present therein.

The following systems of common sewers and main drains are hereby designated:

a. ***Town Sewer District - an area outlined in blue on a map entitled, "Comprehensive Wastewater Management Plan, (Proposed) TOWN SEWER DISTRICT", with a summer average daily flow capacity of 2,800,000 mgd, dated March 2004, (on file in the office of the Board of Selectmen) within which all sewage shall be collected, transported to, treated by and disposed from the Surfside Wastewater Treatment Facility;***

b. ***Siasconset Sewer District - an area outlined in blue on a map entitled, "Comprehensive Wastewater Management Plan, (Proposed) SIASCONSET SEWER DISTRICT", with a summer average daily flow capacity of 220,000 mgd, dated March 2004, (on file in the office of the Board of Selectmen) within which all sewage shall be collected,***

transported to, treated by and disposed from the Siasconset Wastewater Treatment Facility.

And,

That Chapter 120 (Sewers and Wastewater Facilities) of the Code of the Town of Nantucket, is hereby amended as follows (NOTE: new language is shown as highlighted text; language to be deleted is shown by strikeout; these methods to denote changes are not meant to become part of the final text):

§120-1. Payment for use of drains and sewers.

A person who enters his/her particular drain onto a main drain or common sewer, or who by more remote means receives benefit thereby for draining his/her land or buildings, shall pay to the Town a proportional part of the charge of making and repairing the same, and of the *sewer privilege* charges, not already assessed, of making and repairing other main drains and common sewers *and sewage treatment facilities* through which the same discharges and/*or of the permanent privilege for entering said main drain or common sewer*, which shall be ascertained, assessed and certified by the Board of Selectmen acting as the Board of Public works pursuant to the authority of MGL c. 83, §15, Chapter 169 of the Acts of 1965 as amended by Chapter 459 of the Acts of 1987, or any other applicable law.

§120-6. Sewer privilege.

Permanent sewer privilege charges shall be made upon owners of land within the part or whole of the Town of Nantucket on parcels which are or could be serviced by a main drain or common sewer to recover the cost of improving main drains, common sewers and sewage treatment facilities and upon owners of land entering his/her particular drain into a main drain or common sewer at the time of connection not assessable under Section 120-2. Said charges shall be levied in the manner prescribed in Section 120-5.

FINANCE COMMITTEE COMMENT: The maps referenced in the Finance Committee motion are subject to final review and approval by the Board of Selectmen prior to Town Meeting.

196 Baker Avenue, Concord, Massachusetts 01742

May 6, 2004

Coastal Zone Management, Suite 800
Attn: Mr. Todd Callahan
251 Causeway Street
Boston, MA 02114

Subject: **Nantucket Phase III, CWMP/FEIR, EOEA No. 12617 – Additional Requests**

Dear Mr. Callahan:

As per our phone conversation, you had several additional requests to supplement the CWMP/FEIR:

1) Requested a copy of the emergency erosion control plan for Siasconset WWTF
2) Requested copies of the April 12, 2004 town Meeting Articles passed on Sewer Districts.

As of today's date, I faxed the Siasconset WWTF Permit to your office, which contains the emergency erosion control plan. As I explained in my phone message, I am still waiting for the information from the April 12, 2004 Town Meeting and copies of the maps that were approved and accepted. I have spoken directly to the Town Clerk and hope to have them on Monday, May 10th.

I am attaching a copy of the pages of the Siasconset Permit information here for your information as well.

I trust this information will suffice to your requests. Please do not hesitate to call me with any additional questions/concerns.

Very truly yours,

Rosemary T. Blacquier
Earth Tech, Inc.

cc: Nicholas Zavolas, MEPA
Ronald Lyberger, DEP-Boston
Frank Mezzacappa, DEP-SERO
Jeffrey Willett, Nantucket DPW

Telephone
978.371.4000
Facsimile
978.371.2468

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	2496
CONNECTION TEL	916176261240
SUBADDRESS	
CONNECTION ID	MCZM
ST. TIME	05/06 13:42
USAGE T	01'10
PGS.	4
RESULT	OK

FAX

Todd Callahan

To: Rebecca Haney — Date: 5-6-04

Company: CZM — Fax #: 617-626-1240

From: Rosemary Blacquier — Ext:

Address: **Earth Tech, Inc.** — Sending From Fax #:

Project #: 27355

Subject: Siasconset WWTF Erosion Control Plan

Comments: As per Todd Callahan's request, I am sending a copy of the Siasconset WWTF permit # SE#1-201, which contains the emergency erosion control plan for the leaching beds on page 4, item C. #1. The permit was signed on September 7, 2001. The plan was in effect by September 22, 2001.

Todd also asked for a copy of the Article passed at last week's Town Meeting regarding Sewer Districts. I am trying to get copies from the Town Clerk and have not as yet received them. As soon as I do, I will forward a copy to you.
Thank You!

COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
20 RIVERSIDE DRIVE, LAKEVILLE, MA 02347 508-946-2700

JANE SWIFT
Governor

BOB DURAND
Secretary

LAUREN A. LISS
Commissioner

COPY

September 7, 2001

Timothy M. Soverino, Chairman
Town of Nantucket
Board of Selectman
Nantucket, Massachusetts 02554

RE: NANTUCKET -- Siasconset
Groundwater Discharge Permit
No. SE #1-201

Dear Mr. Soverino:

In response to the town's application for a permit to discharge into the ground a treated effluent from a proposed wastewater treatment facility to leaching beds located off Low Beach Road, in the Siaconset Section of Nantucket, Massachusetts and after due public notice, I hereby issue the attached final permit.

There were no comments regarding the issuance or terms of the permit during the public comment period. Therefore, in accordance with 314 CMR 2.08, the permit becomes effective upon issuance.

Parties aggrieved by the issuance of this permit are hereby advised of their right to request an Adjudicatory Hearing under the provisions of Chapter 30A of the Massachusetts General Laws and 314 CMR 1.00, Rules for the Conduct of Adjudicatory Proceedings. Unless the person requesting the Adjudicatory Hearing is granted a stay of the terms and conditions of the permit, the permit shall remain fully effective.

If you should have any questions regarding this matter, please contact Frank Mezzacappa at 508- 946-2723.

Very truly yours,

David DeLorenzo, Deputy Regional Director

This information is available in alternate format by calling our ADA Coordinator at (617) 574-6872.

DEP on the World Wide Web: http://www.magnet.state.ma.us/dep

Printed on Recycled Paper

DISCHARGE PERMIT

Name and Address of Applicant: Town of Nantucket, Town Hall, Nantucket, Massachusetts 02554

Date of Application: January 11, 2000

Permit No: SE #1-201

Effective Date: September 7, 2001

Date of Expiration: September 7, 2006

AUTHORITY FOR ISSUANCE

Pursuant to authority granted by Chapter 21, Sections 26-53 of the Massachusetts General Laws, as amended, the following permit hereby issued to:

The Town of Nantucket (hereinafter called "the permittee"), authorizing discharges from a proposed wastewater treatment facility to the ground located at the Siasconset leaching beds off Low Beach Road, such authorization being expressly conditional on compliance by the permittee with all terms and conditions of the permit hereinafter set forth. This permit authorizes a discharge to the existing leaching beds of treated effluent consistent with the terms and conditions set forth within.

David DeLorenzo, Deputy Regional Director

09-07-01
Date

(3) The permittee shall monitor, record and report the quality of water in the five(5) existing monitoring wells, as approved per permit #0-201. These wells are designated as S-3, CB-1, S-2, S-4, and CB-2

Parameter	Frequency of Analysis
Static Water Level	Quarterly
Specific Conductance	Quarterly
pH	Quarterly
Total Nitrogen (NO_2+NO_3+TKN)	Quarterly
Nitrate-Nitrogen	Quarterly
Volatile Organic Compounds*	Annually

* (USEPA Method #624)

(4) Any grab sample or composite sample required to be taken less frequently than daily shall be taken during the period of Monday through Friday inclusive. Grab samples shall be taken between 8:00 a.m. and 6:00 p.m. All samples shall be taken over the operating day.

The permittee shall submit all reports on an acceptable form, properly filled and signed. The report shall be submitted within the first fifteen days of the reporting month, beginning thirty days after the issuance of this permit, to the Bureau of Resource Protection, Watershed Chief, Department of Environmental Protection, SERO, 20 Riverside Drive, Lakeville, MA 02347, and to the Watershed Permitting Program, Department of Environmental Protection, One Winter Street, Boston, MA 02108, and to the Town of Nantucket, Board of Health, 37 Washington Street, Nantucket, MA 02554.

C. Supplemental Conditions

1. Within 15 days of the issuance of this permit, a permanent monument shall be surveyed into place at a perpendicular angle to the existing leaching beds. The monument shall be placed one hundred feet (100') from that portion of the fence surrounding the Siasconset leaching beds, which is located closest to the ocean. The town shall inspect the monument on a monthly basis unless a significant storm event occurs. In the event of a significant storm event, the town shall inspect the monument within 24 hours following the storm. A significant storm event is a storm of ten year magnitude or greater.

BOTANICAL INVENTORY

SURFSIDE WASTEWATER TREATMENT FACILITY

NANTUCKET MASSACHUSETTS

MAY15, 2004 TO OCTOBER 15, 2004

BUCKLEY BOTANICAL CONSULTANTS
ANN BUCKLEY
BBCNTS@AOL.COM

6192 SOUTHWEST 2ND STREET
PLANTATION, FLORIDA 33313
TEL: (954) 584-0729

29 PARKER ROAD
EAST FALMOUTH, MASSACHUSETTS 02536

SURFSIDE WASTEWATER TREATMENT FACILITY
NANTUCKET MASSACHUSETTS

PROPOSAL
Submitted by
BUCKLEY BOTANICAL CONSULTANTS

DESCRIPTION OF SITE

The Surfside Wastewater Treatment Facility proposes to upgrade the existing facility by renovating the buildings, constructing a new secondary treatment facility, and expanding the existing disposal beds. The proposed secondary treatment facility, including structures, grading and access roads will be constructed on approximately three acres. The facility presently has ten effluent disposal beds. Five new beds, one acre each, will be constructed. In addition to the five acres, a small area will be needed for staging and construction.

OBJECTIVES

1. A botanical inventory of this site will be conducted over the 2004 growing season from mid-May to mid October 2004. The visits will be scheduled approximately ten days apart.

2. All state-and federally-listed plant species and rare, uncommon or exemplary plants communities will be mapped and photographed. The numbers for each rare plant will be estimated.

3. An interim report for this site will be prepared by August 1, 2004

4. A final report will be submitted by November 15, 2004

METHODS

1. Prior to the first visit to this site, I will research botanical records for information verifying the historical occurrence of any rare species in this site.

2. The initial visit to the site should occur in May 2004. After that date, I recommend three field days per month until October 15, 2004. This inventory shall be done by Ann Buckley, who requests she can retain a second botanist if necessary.

ESTIMATED COST FOR FIELD WORK

Fourteen days of fieldwork during the growing season from May 15 to October 15, 2004.

1. One Botanist.		$10,500.00
2. Additional Botanist if necessary		3000.00
3. Final Report		800.00
	Total	$14,300.00

ESTIMATED EXPENSES

1. Nantucket Airlines Computer Book		
One Botanist (14 days)		1050.00
Additional Botanist if necessary (4 days)		300.00
2. Round Trip Mileage from Falmouth to Hyannis		207.20
3. Airport Parking		168.00
4. Meals		
One Botanist		210.00
Additional Botanist (4 days)		60.00
5. Taxi		100.00
	Total	$1995.20

TOTAL AMOUNT NOT TO EXCEED $21,000.00

Ann Buckley
Ann Buckley
Buckley Botanical Consultants

February 21, 2004
Date