THE HANKIN GROUP

January 30, 2004

Board of Supervisors
West Vincent Township
Box 163
Flowing Springs Road & School House Lane
Birchrunville, PA 19421

Dear Board Members:

We understand that West Vincent Township wishes to accept dedication of the Weatherstone wastewater treatment facility sooner than our current agreement describes. We have prepared a proposal that is acceptable to us and one that we believe will be attractive to the Township. Under this proposal, the Township will be able to both operate the plant and also control the extent of future development in the Ludwig's Corner area. We would like to personally present and discuss this proposal with you but we have provided the following summary of its essential features.

The current plant has a capacity of 110,000 gallons and was built at a total cost of approximately $8,000,000. Our investigations have shown that the plant's processing capacity can be doubled in size and that additional capacity for spray fields within the Weatherstone project are available. After reviewing the current actual usage at Weatherstone it is clear that the daily residential flows are about 110 gallons, only a fraction of the design flows of 263 gallons per day. We feel that in the future, DEP will reduce these required design flows to about 200 gallons per day. This will result in a total of 1100 available EDU's after the plant is expanded This ability to expand the plant will allow other development sites in the Ludwig's Corner area to use this single facility, operated by the Township; rather than constructing multiple plants on other sites. Based on its long term planning goals, the Township will therefore be able to encourage or control development where it is appropriate.

The essential points of our proposal are as follows:

- The Hankin Group will pay for and construct the plant's expansion so that its processing capacity is doubled from 110,000 gallons to 220,000 gallons.
- The Township will issue a bond in the amount of $3,000,000 to relieve the current debt on the plant.
- The Township will allow The Hankin Group to use some of the additional capacity at no additional cost for the Weatherstone project, the "Bruner" tract, the Downingtown Bank and Exxon sites (if we acquire them), and the eight additional units for Weatherstone for a total of 325 EDU's. This agreement shall be contingent to the approval of site development plans for these sites.

707 Eagleview Boulevard • P.O. Box 562 • Exton, PA 19341 • 610 458 1900 • Fax: 610 458.

ALL-STATE LEGAL®

EXHIBIT

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- The Township will agree to allow the required spray fields for these sites to be located in mutually agreeable areas on the Weatherstone site.
- The Hankin Group shall be granted the right of first refusal to purchase the remaining capacity for other sites that it may acquire in the future at a specified price.

Included with this cover letter are charts that project the cash flows resulting from the plant's operations and from the sale of capacity. It is clear that these cash flows will relieve the initial debt quickly and be positive into the future. If the Township ultimately decides to end its participation in the plant's operation, it can be sold based on its full value to a public utility company. The proceeds from this sale can then be used for other suitable purposes desired by the Township.

Sincerely yours,

Robert S. Hankin
President/C.E.O.

# WEATHERSTONE WWTF EXPANSION CALCULATIONS
## WEST VINCENT TOWNSHIP, CHESTER COUNTY
January 30 ,2004

Evans Mill Environmental, Inc. has prepared a preliminary evaluation of increasing the capacity of the Weatherstone Wastewater Treatment Facility. The analysis includes increasing the capacity of the facility by providing additional disposal area and storage capacity.

The attached chart summarizes the Weatherstone facility as designed as well as an increase in capacity. The expansion increases the facility's capacity by adding both disposal area and storage capacity.

The calculations are explained in greater detail below and the attached spreadsheets support these calculations.

**Calculated Sewage Flows:**

Existing : Weatherstone Average Daily Design Flow: 110,000 gpd
Expansion : Increase Facility Capacity by 110,000 gpd to 220,000 gpd

**Existing Weatherstone WWTF Capacities:** (per Part 2 Application)

Wastewater Flow : 110,000 gpd

Treatment Lagoon : Effective Volume: 3,140,000 gallons
Storage Lagoon #1 : Effective Storage Volume: 3,440,000 gallons
Minimum Volume : 1,010,000 gallons (bottom to low water level)
Storage Lagoon #2 : Effective Storage Volume :12,850,000 gallons

Spray Disposal Area : 22.02 acres
Soil Loading Rate : 4,995 gpd/acre, yearly average.

## Expansion:

The proposed expansion evaluates modifications required to increase the systems capacity by 110,000 gpd for a total of 220,000 gpd treatment and disposal capacity.

Required treatment volume, based on 28 days detention time, is 6,160,000 gallons. Treatment capacity will be provided by the current Treatment Lagoon and Storage Lagoon #1. The total combined treatment volume, using both lagoons, is 6,580,000 gallons.

The required storage capacity, based on spreadsheet calculations is 20,653,656 gallons. Capacity will be provided using Storage Lagoon #2 and constructing an additional 7,803,656 gallons of storage.

An area of 50.00 acres will be required to dispose of the wastewater. 22.02 acres existing on Weatherstone plus an additional 27.98 acres will provide the area necessary for the 220,000 gpd flow.

**Design:**
Wastewater Flow : 220,000 gpd

Treatment Required: 220,000 gpd X 28 days = 6,160,000 gallons
Required Storage :20,653,656 gallons (Spreadsheet Calculation #3)

Disposal: 220,000 gpd, 50.00 acres of disposal field
Soil Loading Rate : 4,582 gpd/acre, yearly average

**Facility:**
Treatment Lagoon Volume: 3,140,000 gallons
Storage Lagoon #1, Volume for Treatment :3,440,000 gallons
Total Treatment Volume Provide: 6,580,000 gallons

Storage Lagoon #2, Storage Volume :12,850,000 gallons
Construct Additional Storage : 7,803,656 gallons
Total Storage Volume Provided: 20,653,656 gallons

**Conclusion:**
Adding 27.98 acres of disposal area to the existing 22.02 acres, converting Storage Lagoon #1 into a treatment lagoon, and providing an additional 7,803,656 gallons of storage capacity will increase the systems capacity to 220,000 gpd.

# WEATHERSTONE WWTF EXPANSION DETAILED SUMMARY CHART

January 30, 2004

| CALC. | DAILY FLOW | DISPOSAL AREA | RATE | TREATMENT VOLUME | STORAGE VOLUME | # EDU's |
|---|---|---|---|---|---|---|
| Existing Condition | 110,000 gals Weatherstone | 22.02 acres @ Weatherstone | 72 Day No- Spray | 3,140,000 gallons Effective Volume Treatment Lagoon | 15,280,000gallons<br>2,430,000 Storage Lagoon #1<br>12,850,000 Storage Lagoon #2 | 419 EDU's @ 262.5 gpd<br>550 EDU's @ 200 gpd |
| Expansion | 220,000 gals<br>110,000 Weatherstone<br>110,000 Additional | 50.00 acres total<br>22.02 acres @ Weatherstone<br>27.98 acres additional | 72 Day No-Spray | 6,160,000 gallons Required<br>6,580,000 gallons Provided<br>3,140,000 Treatment Lagoon<br>3,440,000 Storage Lagoon #1 | 20,653,656 gallons Required<br>20,653,656 gallons Provided<br>12,850,000 Storage Lagoon #2<br>7,803,656 additional storage | 838 EDU's @ 262.5 gpd<br>1,100 EDU's @ 200 gpd |

*EXISTING FACILITY CAPACITIES AT WEATHERSTONE

Treatment Lagoon. Effective Volume: 3,140,000 gallons
Storage Lagoon #1. Effective Storage Volume: 3,440,000 gallons
Minimum Volume : 1,010,000 gallons (bottom to low water level)
Storage Lagoon #2, Effective Storage Volume :12,850,000 gallons
Spray Disposal Area : 22.02 acres
Soil Loading Rate : 4,995 gpd/acre

## WEATHERSTONE WASTEWATER TREATMENT PLANT
## SUMMARY OF EXPANSION ALTERNATIVES

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **CURRENT OPERATION - 110,000 / 419 EDU** | | | | | | | | | | | |
| REVENUES: | | | | | | | | | | | |
| Sewer Fees | 39,896 | 65,585 | 92,714 | 140,176 | 166,493 | 202,744 | 208,334 | 213,987 | 219,703 | 225,485 | 231,336 |
| Tapping Fees | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 39,896 | 65,585 | 92,714 | 140,176 | 166,493 | 202,744 | 208,334 | 213,987 | 219,703 | 225,485 | 231,336 |
| OPERATING EXPENSES | 79,361 | 88,952 | 98,098 | 107,551 | 111,963 | 115,322 | 118,730 | 122,239 | 125,854 | 129,578 | 133,413 |
| RESERVE FUNDING | 29,167 | 29,167 | 29,167 | 29,167 | 29,167 | 29,167 | 29,167 | 29,167 | 29,167 | 29,167 | 29,167 |
| CASH FLOW (DEFICIT) BEFORE DEBT SERVICE | (68,632) | (52,534) | (34,551) | 3,458 | 25,363 | 58,255 | 60,438 | 62,580 | 64,682 | 66,741 | 68,756 |
| DEBT SERVICE: | | | | | | | | | | | |
| Principal | 0 | 0 | 0 | 0 | 0 | 23,393 | 25,846 | 28,289 | 30,720 | 33,136 | 35,536 |
| Interest | 34,862 | 34,862 | 34,862 | 34,862 | 34,862 | 34,862 | 34,591 | 34,291 | 33,962 | 33,605 | 33,220 |
| Total Debt Service | 34,862 | 34,862 | 34,862 | 34,862 | 34,862 | 58,255 | 60,437 | 62,580 | 64,682 | 66,741 | 68,756 |
| NET CASH FLOW | (103,494) | (87,396) | (69,413) | (31,404) | (9,499) | (0) | 0 | 0 | (0) | (0) | (0) |
| DEBT BALANCE | 3,000,000 | 3,000,000 | 3,000,000 | 3,000,000 | 3,000,000 | 2,976,607 | 2,950,761 | 2,922,472 | 2,891,752 | 2,858,616 | 2,823,080 |
| **SCENARIO 2 - 220,000 / 838 EDU** | | | | | | | | | | | |
| REVENUES: | | | | | | | | | | | |
| Sewer Fees | 39,896 | 82,313 | 127,154 | 196,710 | 248,763 | 314,715 | 346,889 | 380,608 | 415,917 | 444,033 | 477,777 |
| Tapping Fees | 0 | 90,000 | 90,000 | 90,000 | 90,000 | 90,000 | 90,000 | 90,000 | 90,000 | 90,000 | 130,000 |
| | 39,896 | 172,313 | 217,154 | 286,710 | 338,763 | 404,715 | 436,889 | 470,608 | 505,917 | 534,033 | 607,777 |
| OPERATING EXPENSES | 79,361 | 91,945 | 104,490 | 117,710 | 127,435 | 137,545 | 148,410 | 160,143 | 172,816 | 186,502 | 201,283 |
| RESERVE FUNDING | 29,167 | 29,167 | 29,167 | 29,167 | 29,167 | 29,167 | 29,167 | 29,167 | 29,167 | 29,167 | 29,167 |
| CASH FLOW (DEFICIT) BEFORE DEBT SERVICE | (68,632) | 51,201 | 83,497 | 139,834 | 182,161 | 238,003 | 259,312 | 281,298 | 303,934 | 318,364 | 377,327 |
| DEBT SERVICE: | | | | | | | | | | | |
| Principal | 0 | 16,338 | 48,823 | 105,728 | 149,284 | 206,860 | 230,574 | 255,239 | 280,841 | 298,535 | 360,967 |
| Interest | 34,862 | 34,863 | 34,673 | 34,106 | 32,877 | 31,142 | 28,738 | 26,059 | 23,093 | 19,829 | 16,360 |
| Total Debt Service | 34,862 | 51,201 | 83,496 | 139,834 | 182,161 | 238,002 | 259,312 | 281,298 | 303,934 | 318,364 | 377,327 |
| NET CASH FLOW | (103,494) | 0 | 0 | (0) | (0) | 0 | 0 | (0) | 0 | 0 | 0 |
| DEBT BALANCE | 3,000,000 | 2,983,662 | 2,934,839 | 2,829,111 | 2,679,827 | 2,472,967 | 2,242,393 | 1,987,154 | 1,706,313 | 1,407,778 | 1,046,811 |

## WEATHERSTONE WASTEWATER TREATMENT PLANT
## SUMMARY OF EXPANSION ALTERNATIVES

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **SCENARIO 3 - 220,000 / 1,100 EDU** | | | | | | | | | | | |
| REVENUES: | | | | | | | | | | | |
| Sewer Fees | 39,896 | 93,329 | 149,834 | 225,598 | 283,683 | 355,412 | 400,173 | 446,993 | 495,907 | 546,951 | 600,681 |
| Tapping Fees | 0 | 350,000 | 350,000 | 350,000 | 350,000 | 350,000 | 350,000 | 350,000 | 350,000 | 350,000 | 410,000 |
| | 39,896 | 443,329 | 499,834 | 575,598 | 633,683 | 705,412 | 750,173 | 796,993 | 845,907 | 896,951 | 1,010,681 |
| OPERATING EXPENSES | 79,361 | 91,945 | 104,490 | 117,710 | 127,435 | 137,545 | 148,410 | 160,143 | 172,816 | 186,502 | 201,283 |
| RESERVE FUNDING | 29,167 | 29,167 | 29,167 | 29,167 | 29,167 | 29,167 | 29,167 | 29,167 | 29,167 | 29,167 | 29,167 |
| CASH FLOW (DEFICIT) BEFORE DEBT SERVICE | (68,632) | 322,217 | 366,177 | 428,721 | 477,081 | 538,699 | 572,596 | 607,683 | 643,924 | 681,282 | 780,232 |
| DEBT SERVICE: | | | | | | | | | | | |
| Principal | 0 | 287,354 | 334,653 | 401,087 | 454,107 | 521,003 | 560,954 | 440,842 | 0 | 0 | 0 |
| Interest | 34,862 | 34,863 | 31,524 | 27,635 | 22,974 | 17,696 | 11,642 | 5,123 | 0 | 0 | 0 |
| Total Debt Service | 34,862 | 322,217 | 366,177 | 428,722 | 477,081 | 538,699 | 572,596 | 445,965 | 0 | 0 | 0 |
| NET CASH FLOW | (103,494) | 0 | (0) | (0) | 0 | (0) | (0) | 161,717 | 643,924 | 681,282 | 780,232 |
| DEBT BALANCE | 3,000,000 | 2,712,646 | 2,377,993 | 1,976,906 | 1,522,799 | 1,001,796 | 440,842 | 0 | 0 | 0 | 0 |
| **SCENARIO 4 - 220,000 / 1,896 EDU** | | | | | | | | | | | |
| REVENUES: | | | | | | | | | | | |
| Sewer Fees | 39,896 | 125,561 | 216,194 | 319,778 | 406,472 | 507,491 | 591,721 | 679,726 | 771,528 | 867,146 | 970,217 |
| Tapping Fees | 0 | 1,150,000 | 1,150,000 | 1,150,000 | 1,150,000 | 1,150,000 | 1,150,000 | 1,150,000 | 1,150,000 | 1,150,000 | 1,170,000 |
| | 39,896 | 1,275,561 | 1,366,194 | 1,469,778 | 1,556,472 | 1,657,491 | 1,741,721 | 1,829,726 | 1,921,528 | 2,017,146 | 2,140,217 |
| OPERATING EXPENSES | 79,361 | 91,945 | 104,490 | 117,710 | 127,435 | 137,545 | 148,410 | 160,143 | 172,816 | 186,502 | 201,283 |
| RESERVE FUNDING | 29,167 | 29,167 | 29,167 | 29,167 | 29,167 | 29,167 | 29,167 | 29,167 | 29,167 | 29,167 | 29,167 |
| CASH FLOW (DEFICIT) BEFORE DEBT SERVICE | (68,632) | 1,154,449 | 1,232,537 | 1,322,901 | 1,399,870 | 1,490,778 | 1,564,144 | 1,640,416 | 1,719,545 | 1,801,477 | 1,909,767 |
| DEBT SERVICE: | | | | | | | | | | | |
| Principal | 0 | 1,119,586 | 1,210,684 | 669,730 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interest | 34,862 | 34,863 | 21,852 | 7,783 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Debt Service | 34,862 | 1,154,449 | 1,232,536 | 677,513 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NET CASH FLOW | (103,494) | 0 | 0 | 645,388 | 1,399,870 | 1,490,778 | 1,564,144 | 1,640,416 | 1,719,545 | 1,801,477 | 1,909,767 |
| DEBT BALANCE | 3,000,000 | 1,880,414 | 669,730 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

WEATHERSTONE WASTEWATER TREATMENT PLANT
ESTIMATED OPERATING BUDGET
ORIGINAL CAPACITY AT 262.50GPD PER EDU

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Personnel: | | | | | | | | | | | |
| Basic Operational Services | 12,144 | 12,508 | 12,884 | 13,270 | 13,668 | 14,078 | 14,501 | 14,936 | 15,384 | 15,845 | 16,321 |
| Additional Services (Emergency, Etc.) | 2,500 | 2,575 | 2,652 | 2,732 | 2,814 | 2,898 | 2,985 | 3,075 | 3,167 | 3,262 | 3,360 |
| Chapter 94 Reporting | 2,400 | 2,472 | 2,546 | 2,623 | 2,701 | 2,782 | 2,866 | 2,952 | 3,040 | 3,131 | 3,225 |
| Meetings with Township | 600 | 618 | 637 | 656 | 675 | 695 | 716 | 738 | 760 | 783 | 806 |
| Respond to PA One Calls | 750 | 773 | 796 | 820 | 844 | 869 | 895 | 922 | 950 | 979 | 1,008 |
| Inspect Collection System | 1,000 | 1,030 | 1,061 | 1,093 | 1,126 | 1,159 | 1,194 | 1,230 | 1,267 | 1,305 | 1,344 |
| | 19,394 | 19,976 | 20,575 | 21,192 | 21,828 | 22,483 | 23,157 | 23,852 | 24,568 | 25,305 | 26,064 |
| Supplies: | | | | | | | | | | | |
| Office | 100 | 103 | 106 | 109 | 113 | 116 | 119 | 122 | 127 | 130 | 134 |
| Field | 500 | 515 | 530 | 546 | 563 | 580 | 597 | 615 | 633 | 652 | 672 |
| Laboratory | 200 | 206 | 212 | 219 | 225 | 232 | 239 | 246 | 253 | 261 | 269 |
| Chemicals | 2,500 | 2,575 | 2,652 | 2,732 | 2,814 | 2,898 | 2,985 | 3,075 | 3,167 | 3,262 | 3,360 |
| Miscellaneous | 200 | 206 | 212 | 219 | 225 | 232 | 239 | 246 | 253 | 261 | 269 |
| | 3,500 | 3,605 | 3,710 | 3,825 | 3,939 | 4,057 | 4,179 | 4,305 | 4,434 | 4,567 | 4,704 |
| Outside Services: | | | | | | | | | | | |
| Administration & Billing | 4,400 | 4,532 | 4,668 | 4,808 | 4,952 | 5,101 | 5,254 | 5,411 | 5,574 | 5,741 | 5,913 |
| Repairs to Equipment | 4,000 | 4,120 | 4,244 | 4,371 | 4,502 | 4,637 | 4,776 | 4,919 | 5,067 | 5,219 | 5,376 |
| Grass Cutting and Harvest (Whole Site) | 6,947 | 7,155 | 7,370 | 7,591 | 7,819 | 8,053 | 8,295 | 8,544 | 8,800 | 9,064 | 9,336 |
| Road Maintenance (Snow Plowing) | 500 | 515 | 530 | 546 | 563 | 580 | 597 | 615 | 633 | 652 | 672 |
| Laboratory Services (11 Monitoring Wells) | 8,820 | 9,291 | 9,569 | 9,856 | 10,152 | 10,457 | 10,770 | 11,093 | 11,426 | 11,769 | 12,122 |
| Liability Insurance | 3,000 | 3,090 | 3,183 | 3,278 | 3,377 | 3,478 | 3,582 | 3,690 | 3,800 | 3,914 | 4,032 |
| Professional Services (Engineering & Legal) | 4,000 | 4,120 | 4,244 | 4,371 | 4,502 | 4,637 | 4,776 | 4,919 | 5,067 | 5,219 | 5,376 |
| Annual Flow Meter Calibration (2 meters) | 1,000 | 1,030 | 1,061 | 1,093 | 1,126 | 1,159 | 1,194 | 1,230 | 1,267 | 1,305 | 1,344 |
| Generator Maintenance (2 generators) | 1,150 | 1,185 | 1,220 | 1,257 | 1,294 | 1,333 | 1,373 | 1,414 | 1,457 | 1,500 | 1,546 |
| | 34,017 | 35,038 | 36,089 | 37,171 | 38,286 | 39,435 | 40,618 | 41,837 | 43,092 | 44,384 | 45,716 |
| Utilities: | | | | | | | | | | | |
| Electric | 15,000 | 18,000 | 24,000 | 30,000 | 30,900 | 31,827 | 32,782 | 33,765 | 34,778 | 35,822 | 36,896 |
| Telephone | 350 | 361 | 371 | 382 | 394 | 405 | 418 | 430 | 443 | 457 | 470 |
| Trash Removal | 500 | 515 | 530 | 546 | 563 | 580 | 597 | 615 | 633 | 652 | 672 |
| Water | 400 | 412 | 424 | 437 | 450 | 464 | 478 | 492 | 507 | 522 | 538 |
| Fuel (Miscellaneous) | 50 | 52 | 53 | 55 | 56 | 58 | 60 | 61 | 63 | 65 | 67 |
| | 16,300 | 19,339 | 25,379 | 31,421 | 32,363 | 33,334 | 34,334 | 35,364 | 36,425 | 37,518 | 38,643 |
| Pump Station #1: | | | | | | | | | | | |
| Electric | 3,000 | 5,000 | 6,000 | 7,000 | 8,000 | 8,240 | 8,487 | 8,742 | 9,004 | 9,274 | 9,552 |
| Fuel | 50 | 52 | 53 | 55 | 56 | 58 | 60 | 61 | 63 | 65 | 67 |
| Semi-Annual Cleaning | | 1,030 | 1,061 | 1,093 | 1,126 | 1,159 | 1,194 | 1,230 | 1,267 | 1,305 | 1,344 |
| Annual Flow Meter Calibration | | 515 | 530 | 546 | 563 | 580 | 597 | 615 | 633 | 652 | 672 |
| | 3,050 | 6,597 | 7,644 | 8,694 | 9,745 | 10,037 | 10,338 | 10,648 | 10,968 | 11,297 | 11,635 |
| Pump Station #2: | | | | | | | | | | | |
| Electric | 1,500 | 2,750 | 3,000 | 3,500 | 4,000 | 4,120 | 4,244 | 4,371 | 4,502 | 4,637 | 4,776 |
| Fuel | 50 | 52 | 53 | 55 | 56 | 58 | 60 | 61 | 63 | 65 | 67 |
| Semi-Annual Cleaning | 1,000 | 1,030 | 1,061 | 1,093 | 1,126 | 1,160 | 1,160 | 1,160 | 1,160 | 1,160 | 1,160 |
| Annual Flow Meter Calibration | 500 | 515 | 530 | 546 | 563 | 580 | 580 | 580 | 580 | 580 | 580 |
| | 3,050 | 4,347 | 4,644 | 5,194 | 5,745 | 5,918 | 6,043 | 6,172 | 6,305 | 6,442 | 6,583 |
| Safety: | | | | | | | | | | | |
| Equipment | 50 | 52 | 53 | 55 | 56 | 58 | 60 | 61 | 63 | 65 | 67 |
| Debt Service: | | | | | | | | | | | |
| Principal | 0 | 0 | 0 | 0 | 0 | 23,393 | 25,846 | 28,289 | 30,720 | 33,136 | 35,536 |
| Interest | 34,862 | 34,862 | 34,862 | 34,862 | 34,862 | 34,862 | 34,591 | 34,291 | 33,962 | 33,605 | 33,220 |
| | 34,862 | 34,862 | 34,862 | 34,862 | 34,862 | 58,255 | 60,437 | 62,580 | 64,682 | 66,741 | 68,756 |
| TOTAL EXPENSES | 114,223 | 123,874 | 132,960 | 142,413 | 146,825 | 173,577 | 179,167 | 184,819 | 190,536 | 196,319 | 202,169 |
| RESIDENTIAL UNITS COMPLETED | 100 | 160 | 220 | 273 | 273 | 273 | 273 | 273 | 273 | 273 | 273 |
| RESIDENTIAL ESTIMATED FLOW (GPD) | 26,250 | 42,000 | 57,750 | 71,675 | 71,675 | 71,675 | 71,675 | 71,675 | 71,675 | 71,675 | 71,675 |
| COMMERCIAL EDU | 1 | 1 | 1 | 43 | 85 | 126 | 126 | 126 | 126 | 126 | 126 |
| COMMERCIAL ESTIMATED FLOW (GPD) | 263 | 263 | 263 | 11,288 | 22,313 | 33,075 | 33,075 | 33,075 | 33,075 | 33,075 | 33,075 |
| RESERVE CAPACITY | 0 | 0 | 0 | 0 | 0 | 20 | 20 | 20 | 20 | 20 | 20 |
| RESERVE ESTIMATED FLOW (GPD) | 0 | 0 | 0 | 0 | 0 | 5,250 | 5,250 | 5,250 | 5,250 | 5,250 | 5,250 |
| ADDITIONAL CAPACITY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ADDITIONAL ESTIMATED FLOW (GPD) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TAPPING FEE CAPACITY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESTIMATED YEARLY REVENUE: | | | | | | | | | | | |
| AT $98.00 PER QUARTER (WITH ANNUAL INCREASE OF 3% / QTR.) | 39,600 | 65,280 | 92,400 | 117,936 | 123,212 | 133,608 | 137,124 | 140,640 | 144,156 | 147,672 | 151,188 |
| OR $4.94 PER THOUSAND GALLONS (WITH 3% INCREASE / YR) | 296 | 305 | 314 | 22,240 | 45,281 | 69,136 | 71,210 | 73,347 | 75,547 | 77,813 | 80,148 |
| TAPPING FEES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL REVENUE | 39,896 | 65,585 | 92,714 | 140,176 | 168,493 | 202,744 | 208,334 | 213,987 | 219,703 | 225,485 | 231,336 |
| ESTIMATED EXCESS (SUBSIDY) BEFORE RESERVE | (74,327) | (58,229) | (40,246) | (2,237) | 19,668 | 29,167 | 29,167 | 29,167 | 29,167 | 29,167 | 29,167 |
| CAPITAL REPLACEMENT RESERVE: | | | | | | | | | | | |
| Equipment (Reserve Fund) | (29,167) | (29,167) | (29,167) | (29,167) | (29,167) | (29,167) | (29,167) | (29,167) | (29,167) | (29,167) | (29,167) |
| ESTIMATED EXCESS (SUBSIDY) | (103,494) | (87,396) | (69,413) | (31,404) | (9,499) | (01) | 0 | 0 | (01) | (01) | (01) |
| Rate per Quarter | 98.00 | 102.00 | 105.00 | 108.00 | 111.00 | 114.00 | 117.00 | 120.00 | 123.00 | 126.00 | 129.00 |
| Annual Rate | 396.00 | 408.00 | 420.00 | 432.00 | 444.00 | 456.00 | 468.00 | 480.00 | 492.00 | 504.00 | 516.00 |
| GPD per House (EDU) | 262.50 | | | | | | | | | | |
| Per 1,000 Gallons = 4.94 | 0.004940 | 0.005088 | 0.005241 | 0.005398 | 0.005560 | 0.005727 | 0.005899 | 0.006076 | 0.006258 | 0.006446 | 0.006639 |
| Inflation Rate / Cost Increase | | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 |
| Debt Balance | 3,000,000 | 3,000,000 | 3,000,000 | 3,000,000 | 3,000,000 | 3,000,000 | 2,976,607 | 2,950,761 | 2,922,472 | 2,891,752 | 2,858,616 |
| Interest Rate | 1.1621% | 1.1621% | 1.1621% | 1.1621% | 1.1621% | 1.1621% | 1.1621% | 1.1621% | 1.1621% | 1.1621% | 1.1621% |
| Tapping Fee per EDU | 10,000.00 | | | | | | | | | | |

WEATHERSTONE WASTEWATER TREATMENT PLANT
ESTIMATED OPERATING BUDGET
INCREASE CAPACITY BY 110 000 GALLONS AT 262.50GPD PER EDU

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Personnel:** | | | | | | | | | | | |
| Basic Operational Services | 12 144 | 13 116 | 14 165 | 15,298 | 16,522 | 17,844 | 19 271 | 20 813 | 22 478 | 24 276 | 26 218 |
| Additional Services (Emergency Etc ) | 2,500 | 2 700 | 2 916 | 3,149 | 3,401 | 3,673 | 3,967 | 4 285 | 4 627 | 4 998 | 5 397 |
| Chapter 94 Reporting | 2 400 | 2,592 | 2 799 | 3,023 | 3,265 | 3 526 | 3,808 | 4,112 | 4 442 | 4 798 | 5,181 |
| Meetings with Township | 600 | 648 | 700 | 756 | 816 | 882 | 952 | 1 028 | 1 111 | 1 199 | 1 295 |
| Response to PA One Calls | 750 | 810 | 875 | 945 | 1 020 | 1 102 | 1 190 | 1 285 | 1,388 | 1 499 | 1 619 |
| Inspect Collection System | 1,000 | 1,080 | 1,166 | 1,260 | 1 360 | 1,469 | 1 587 | 1,714 | 1,851 | 1,999 | 2 159 |
| | 19,394 | 20,946 | 22,621 | 24 431 | 26 385 | 28,496 | 30,776 | 33,238 | 35,897 | 38,749 | 41,870 |
| **Supplies:** | | | | | | | | | | | |
| Office | 100 | 108 | 117 | 126 | 136 | 147 | 159 | 171 | 185 | 200 | 216 |
| Field | 500 | 540 | 583 | 630 | 680 | 735 | 793 | 857 | 925 | 1,000 | 1 079 |
| Laboratory | 200 | 216 | 233 | 252 | 272 | 294 | 317 | 343 | 370 | 400 | 432 |
| Chemicals | 2 500 | 2 700 | 2 916 | 3 149 | 3,401 | 3,673 | 3 967 | 4 285 | 4 627 | 4 998 | 5 397 |
| Miscellaneous | 200 | 216 | 233 | 252 | 272 | 294 | 317 | 343 | 370 | 400 | 432 |
| | 3,500 | 3,780 | 4,080 | 4,409 | 4,762 | 5,143 | 5,554 | 5,998 | 6,478 | 6,997 | 7,556 |
| **Outside Services:** | | | | | | | | | | | |
| Administration & Billing | 4 400 | 4 752 | 5 132 | 5,543 | 5,986 | 6,465 | 6,982 | 7 541 | 8 144 | 8 796 | 9,499 |
| Repairs to Equipment | 4,000 | 4,320 | 4,666 | 5,039 | 5,442 | 5,877 | 6,347 | 6 855 | 7 404 | 7 996 | 8,636 |
| Grass Cutting and Harvest (Whole Site) | 6 947 | 7 503 | 8 103 | 8 751 | 9 451 | 10,207 | 11 024 | 11 906 | 12 858 | 13,887 | 14,998 |
| Road Maintenance (Snow Plowing) | 500 | 540 | 583 | 630 | 680 | 735 | 793 | 857 | 925 | 1,000 | 1 079 |
| Laboratory Services (11 Monitoring Wells) | 9,020 | 9 742 | 10 521 | 11 363 | 12,272 | 13 253 | 14 314 | 15 459 | 16,696 | 18 031 | 19,474 |
| Liability Insurance | 3,000 | 3,240 | 3,499 | 3,779 | 4,081 | 4,408 | 4,761 | 5 141 | 5,553 | 5,997 | 6,477 |
| Professional Services (Engineering & Legal) | 4,000 | 4,320 | 4 666 | 5,039 | 5,442 | 5,877 | 6,347 | 6,855 | 7,404 | 7 996 | 8,636 |
| Annual Flow Meter Calibration (2 meters) | 1 000 | 1,080 | 1,166 | 1 260 | 1,360 | 1,469 | 1,587 | 1,714 | 1,851 | 1 999 | 2 159 |
| Generator Maintenance (2 generators) | 1,150 | 1,242 | 1,341 | 1,448 | 1,565 | 1,690 | 1,825 | 1,971 | 2,129 | 2,299 | 2,483 |
| | 34,017 | 36,738 | 39,677 | 42,862 | 46,280 | 49,982 | 53,981 | 58,290 | 62,963 | 68,000 | 73,440 |
| **Utilities:** | | | | | | | | | | | |
| Electric | 15,000 | 18,000 | 24 000 | 30,000 | 32 400 | 34 992 | 37 791 | 40,815 | 44 080 | 47 606 | 51 415 |
| Telephone | 350 | 378 | 408 | 441 | 476 | 514 | 555 | 600 | 648 | 700 | 756 |
| Trash Removal | 500 | 540 | 583 | 630 | 680 | 735 | 793 | 857 | 925 | 1,000 | 1 079 |
| Water | 400 | 432 | 467 | 504 | 544 | 588 | 635 | 686 | 740 | 800 | 864 |
| Fuel (Miscellaneous) | 50 | 54 | 58 | 63 | 68 | 73 | 79 | 86 | 93 | 100 | 108 |
| | 16,300 | 19,404 | 25,516 | 31,638 | 34,169 | 36,902 | 39,854 | 43,043 | 46,486 | 50,205 | 54,221 |
| **Pump Station #1:** | | | | | | | | | | | |
| Electric | 3 000 | 5,000 | 6 000 | 7 000 | 8,000 | 8 640 | 9 331 | 10,078 | 10 884 | 11 755 | 12 695 |
| Fuel | 50 | 54 | 58 | 63 | 68 | 73 | 79 | 86 | 93 | 100 | 108 |
| Semi-Annual Cleaning | | 1 030 | 1 112 | 1 201 | 1,298 | 1 401 | 1 513 | 1,634 | 1 765 | 1 906 | 2,059 |
| Annual Flow Meter Calibration | | 515 | 556 | 601 | 649 | 701 | 757 | 817 | 883 | 953 | 1,029 |
| | 3,050 | 6,599 | 7,727 | 8,865 | 10,014 | 10,815 | 11,681 | 12,615 | 13,624 | 14,714 | 15,891 |
| **Pump Station #2:** | | | | | | | | | | | |
| Electric | 1 500 | 2 750 | 3 000 | 3,500 | 4 000 | 4,320 | 4,666 | 5 039 | 5 442 | 5 877 | 6,347 |
| Fuel | 50 | 54 | 58 | 63 | 68 | 73 | 79 | 86 | 93 | 100 | 108 |
| Semi-Annual Cleaning | 1,000 | 1,080 | 1 166 | 1 260 | 1 126 | 1 160 | 1 160 | 1 160 | 1 160 | 1 160 | 1 160 |
| Annual Flow Meter Calibration | 500 | 540 | 583 | 630 | 563 | 580 | 580 | 580 | 580 | 580 | 580 |
| | 3,050 | 4,424 | 4,808 | 5,453 | 5,757 | 6,133 | 6,485 | 6,865 | 7,275 | 7,717 | 8,195 |
| **Safety:** | | | | | | | | | | | |
| Equipment | 50 | 54 | 58 | 63 | 68 | 73 | 79 | 86 | 93 | 100 | 108 |
| **Debt Service:** | | | | | | | | | | | |
| Principal | 0 | 16,338 | 48,323 | 105,728 | 149 284 | 206 860 | 230,574 | 255,239 | 280 841 | 298 535 | 360,967 |
| Interest | 34 862 | 34,863 | 34,673 | 34,106 | 32,877 | 31,142 | 28,738 | 26,059 | 23,093 | 19,829 | 16,360 |
| | 34,862 | 51,201 | 83,496 | 139,834 | 182,161 | 238,002 | 259,312 | 281,298 | 303,934 | 318,364 | 377,327 |
| TOTAL EXPENSES | 114,223 | 143,146 | 187,987 | 257,543 | 309,596 | 375,548 | 407 722 | 441 441 | 476,749 | 504 858 | 578,609 |
| RESIDENTIAL UNITS COMPLETED | 100 | 160 | 220 | 273 | 273 | 273 | 273 | 273 | 273 | 273 | 273 |
| RESIDENTIAL ESTIMATED FLOW (GPD) | 26,250 | 42,000 | 57,750 | 71,675 | 71,675 | 71,675 | 71,675 | 71,675 | 71,675 | 71,675 | 71,675 |
| COMMERCIAL EDU | 1 | 1 | 1 | 43 | 85 | 126 | 126 | 126 | 126 | 126 | 126 |
| COMMERCIAL ESTIMATED FLOW (GPD) | 263 | 263 | 263 | 11,288 | 22,313 | 33,075 | 33,075 | 33,075 | 33,075 | 33,075 | 33,075 |
| RESERVE CAPACITY | 0 | 0 | 0 | 0 | 0 | 20 | 20 | 20 | 20 | 20 | 20 |
| RESERVE ESTIMATED FLOW (GPD) | 0 | 0 | 0 | 0 | 0 | 5,250 | 5,250 | 5,250 | 5,250 | 5,250 | 5,250 |
| ADDITIONAL CAPACITY | 0 | 41 | 82 | 123 | 164 | 205 | 246 | 287 | 328 | 369 | 419 |
| ADDITIONAL ESTIMATED FLOW (GPD) | 0 | 10,763 | 21,525 | 32,288 | 43,050 | 53,813 | 64,575 | 75,338 | 86,100 | 96,863 | 110,000 |
| TAPPING FEE CAPACITY | 0 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 13 |
| ESTIMATED YEARLY REVENUE | | | | | | | | | | | |
| AT $99.00 PER QUARTER (WITH ANNUAL INCREASE OF 3% QTR.) | 39,600 | 82 008 | 128 840 | 171,072 | 194 028 | 227 088 | 252 252 | 278,400 | 305,532 | 333,648 | 367 392 |
| OR $4 94 PER THOUSAND GALLONS (WITH 3% ANNUAL INCREASE) | 296 | 305 | 314 | 25,638 | 54,735 | 87,627 | 94,637 | 102 208 | 110,385 | 119,385 | 130 385 |
| TAPPING FEES | 0 | 90 000 | 90 000 | 90 000 | 90 000 | 90,000 | 90 000 | 90 000 | 90,000 | 90,000 | 120 000 |
| TOTAL REVENUE | 39,896 | 172,313 | 217 154 | 286,710 | 338,763 | 404 715 | 436,889 | 470,608 | 505 917 | 534 033 | 607 777 |
| ESTIMATED EXCESS (SUBSIDY) BEFORE RESERVE | (74 327) | 29 167 | 29 167 | 29 167 | 29 167 | 29 167 | 29 167 | 29 167 | 29 167 | 29 167 | 29 167 |
| CAPITAL REPLACEMENT RESERVE: | | | | | | | | | | | |
| Equipment (Reserve Fund) | (29 167) | (29 167) | (29 167) | (29 167) | (29 167) | (29 167) | (29 167) | (29 167) | (29 167) | (29 167) | (29 167) |
| ESTIMATED EXCESS (SUBSIDY) | (103,494) | 0 | 0 | (0) | (0) | 0 | 0 | (0) | 0 | 0 | 0 |
| Rate per Quarter | 99 00 | 102.00 | 105.00 | 108 00 | 111 00 | 114 00 | 117 00 | 120 00 | 123.00 | 126 00 | 129 00 |
| Annual Rate | 396 00 | 408 00 | 420.00 | 432 00 | 444 00 | 456 00 | 468 00 | 480 00 | 492 00 | 504.00 | 516 00 |
| GPD per House (EDU) | 262.50 | | | | | | | | | | |
| Per 1,000 Gallons = 4 94 | 0 004940 | 0.005305 | 0 005682 | 0 006223 | 0 006721 | 0.007258 | 0 007839 | 0.008466 | 0 009144 | 0 009144 | 0 009144 |
| Inflation Rate / Cost Increase | | 1 08 | 1.08 | 1.08 | 1 08 | 1.08 | 1.08 | 1.08 | 1 08 | 1 08 | 1 08 |
| Debt Balance | 3,000,000 | 2 983,662 | 2,934,839 | 2 829,111 | 2,679,827 | 2 472,967 | 2,242,393 | 1,987,154 | 1 706,313 | 1 407,778 | 1 046 811 |
| Interest Rate | 1 1621% | 1 1621% | 1 1621% | 1 1621% | 1 1621% | 1 1621% | 1 1621% | 1 1621% | 1 1621% | 1 1621% | 1 1621% |
| Tapping Fee | 10,000 00 | | | | | | | | | | |

WEATHERSTONE WASTEWATER TREATMENT PLANT
ESTIMATED OPERATING BUDGET
INCREASE CAPACITY BY 110 000 GALLONS AT 200GPD PER EDU

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Personnel:** | | | | | | | | | | | |
| Basic Operational Services | 12 144 | 13 116 | 14 165 | 15 298 | 16 522 | 17 844 | 19 271 | 20 813 | 22 478 | 24 276 | 26 218 |
| Additional Services (Emergency Etc.) | 2,500 | 2,700 | 2,916 | 3 149 | 3,401 | 3 673 | 3 967 | 4 285 | 4,627 | 4 998 | 5,397 |
| Chapter 94 Reporting | 2 400 | 2 592 | 2 799 | 3 023 | 3,265 | 3,526 | 3 808 | 4 113 | 4,442 | 4 798 | 5,181 |
| Meetings with Township | 600 | 648 | 700 | 756 | 816 | 882 | 952 | 1,028 | 1,111 | 1 199 | 1,295 |
| Respond to PA One Calls | 750 | 810 | 875 | 945 | 1 020 | 1 102 | 1 190 | 1 285 | 1 388 | 1,499 | 1,619 |
| Inspect Collection System | 1,000 | 1,080 | 1,166 | 1,260 | 1,360 | 1,469 | 1,587 | 1,714 | 1,851 | 1,999 | 2,159 |
| | 19,394 | 20,946 | 22,621 | 24 431 | 26,385 | 28,496 | 30 776 | 33,238 | 35,897 | 38 769 | 41,870 |
| **Supplies:** | | | | | | | | | | | |
| Office | 100 | 108 | 117 | 126 | 136 | 147 | 159 | 171 | 185 | 200 | 216 |
| Field | 500 | 540 | 583 | 630 | 680 | 735 | 793 | 857 | 925 | 1 000 | 1 079 |
| Laboratory | 200 | 216 | 233 | 252 | 272 | 294 | 317 | 343 | 370 | 400 | 432 |
| Chemicals | 2 500 | 2 700 | 2 916 | 3 149 | 3 401 | 3 673 | 3 967 | 4 285 | 4 627 | 4 998 | 5 397 |
| Miscellaneous | 200 | 216 | 233 | 252 | 272 | 294 | 317 | 343 | 370 | 400 | 432 |
| | 3,500 | 3,780 | 4,082 | 4,409 | 4,762 | 5,143 | 5,554 | 5,999 | 6 478 | 6,997 | 7,556 |
| **Outside Services:** | | | | | | | | | | | |
| Administration & Billing | 4 400 | 4 752 | 5 132 | 5 543 | 5,986 | 6 465 | 6 982 | 7 541 | 8 144 | 8,796 | 9,499 |
| Repairs to Equipment | 4 000 | 4,320 | 4,666 | 5,039 | 5 442 | 5,877 | 6,347 | 6,855 | 7,404 | 7,996 | 8,636 |
| Grass Cutting and Harvest (Whole Site) | 6 947 | 7,503 | 8,103 | 8,751 | 9 451 | 10,207 | 11 024 | 11 906 | 12 858 | 13,887 | 14,998 |
| Road Maintenance (Snow Plowing) | 500 | 540 | 583 | 630 | 680 | 735 | 793 | 857 | 925 | 1,000 | 1 079 |
| Laboratory Services (11 Monitoring Wells) | 8 020 | 9 742 | 10 521 | 11 363 | 12 272 | 13 253 | 14 314 | 15 459 | 16,695 | 18,031 | 19,474 |
| Liability Insurance | 3,000 | 3,240 | 3,499 | 3,779 | 4,081 | 4,408 | 4,761 | 5,141 | 5,553 | 5,997 | 6 477 |
| Professional Services (Engineering & Legal) | 4,000 | 4,320 | 4,666 | 5,039 | 5,442 | 5,877 | 6,347 | 6,855 | 7,404 | 7,996 | 8,636 |
| Annual Flow Meter Calibration (2 meters) | 1,000 | 1,080 | 1,166 | 1 260 | 1,360 | 1,469 | 1 587 | 1 714 | 1 851 | 1,999 | 2,159 |
| Generator Maintenance (2 generators) | 1,150 | 1,242 | 1 341 | 1,448 | 1,565 | 1,690 | 1 825 | 1,971 | 2 129 | 2,299 | 2,483 |
| | 34,017 | 36,738 | 39 677 | 42,852 | 46,280 | 49,982 | 53,981 | 58,299 | 62,963 | 68 000 | 73,440 |
| **Utilities:** | | | | | | | | | | | |
| Electric | 15 000 | 18,000 | 24 000 | 30,000 | 32,400 | 34 992 | 37 791 | 40 815 | 44 080 | 47 606 | 51 415 |
| Telephone | 350 | 378 | 408 | 441 | 476 | 514 | 555 | 600 | 648 | 700 | 756 |
| Trash Removal | 500 | 540 | 583 | 630 | 680 | 735 | 793 | 857 | 925 | 1,000 | 1 079 |
| Water | 400 | 432 | 467 | 504 | 544 | 588 | 635 | 686 | 740 | 800 | 864 |
| Fuel (Miscellaneous) | 50 | 54 | 58 | 63 | 68 | 73 | 79 | 85 | 93 | 100 | 108 |
| | 16,300 | 19,404 | 25,516 | 31,638 | 34 168 | 36,902 | 39,854 | 43,043 | 46 486 | 50,205 | 54,221 |
| **Pump Station #1:** | | | | | | | | | | | |
| Electric | 3,000 | 5,000 | 6,000 | 7 000 | 8,000 | 8,640 | 9,331 | 10,078 | 10,884 | 11 755 | 12 695 |
| Fuel | 50 | 54 | 58 | 63 | 68 | 73 | 79 | 85 | 93 | 100 | 108 |
| Semi-Annual Cleaning | | 1 030 | 1 112 | 1 201 | 1 298 | 1 401 | 1 513 | 1 634 | 1 765 | 1 905 | 2 059 |
| Annual Flow Meter Calibration | | 515 | 556 | 601 | 649 | 701 | 757 | 817 | 883 | 953 | 1 029 |
| | 3,050 | 6,599 | 7,727 | 8,865 | 10,014 | 10,815 | 11,681 | 12,615 | 13,624 | 14,714 | 15,891 |
| **Pump Station #2:** | | | | | | | | | | | |
| Electric | 2 500 | 2 750 | 3,000 | 3,500 | 4,000 | 4 320 | 4,666 | 5 039 | 5,442 | 5 877 | 6 347 |
| Fuel | 50 | 54 | 58 | 63 | 68 | 73 | 79 | 85 | 93 | 100 | 108 |
| Semi-Annual Cleaning | 1 000 | 1 080 | 1 166 | 1 260 | 1 126 | 1 160 | 1 160 | 1 160 | 1 160 | 1 160 | 1 160 |
| Annual Flow Meter Calibration | 500 | 540 | 583 | 630 | 563 | 580 | 580 | 580 | 580 | 580 | 580 |
| | 3,050 | 4 424 | 4,808 | 5,453 | 5,757 | 6,133 | 6,485 | 6,865 | 7,275 | 7,717 | 8,195 |
| **Safety:** | | | | | | | | | | | |
| Equipment | 50 | 54 | 58 | 63 | 68 | 73 | 79 | 85 | 93 | 100 | 108 |
| **Debt Service:** | | | | | | | | | | | |
| Principal | 0 | 287 354 | 334,653 | 401,087 | 454 107 | 521,003 | 560,954 | 440 842 | 0 | 0 | 0 |
| Interest | 34 862 | 34 863 | 51,524 | 27 635 | 22 974 | 17 696 | 11,642 | 5 123 | 0 | 0 | 0 |
| | 34 862 | 322,217 | 386 177 | 428 722 | 477,081 | 538 699 | 572,596 | 445,965 | 0 | 0 | 0 |
| TOTAL EXPENSES | 114,223 | 414 162 | 470,667 | 548,431 | 604,515 | 676,245 | 721 006 | 605 108 | 172,816 | 186,502 | 201 293 |
| RESIDENTIAL UNITS COMPLETED | 100 | 160 | 220 | 273 | 273 | 273 | 273 | 273 | 273 | 273 | 273 |
| RESIDENTIAL ESTIMATED FLOW (GPD) | 20,000 | 32,000 | 44 000 | 54,600 | 54,600 | 54,600 | 54,600 | 54,600 | 54,600 | 54 600 | 54,600 |
| COMMERCIAL EDU | 1 | 1 | 1 | 43 | 95 | 126 | 126 | 126 | 126 | 126 | 126 |
| COMMERCIAL ESTIMATED FLOW (GPD) | 200 | 200 | 200 | 8 600 | 17,000 | 25,200 | 25,200 | 25,200 | 25,200 | 25,200 | 25,200 |
| RESERVE CAPACITY | 0 | 0 | 0 | 0 | 0 | 20 | 20 | 20 | 20 | 20 | 20 |
| RESERVE ESTIMATED FLOW (GPD) | 0 | 0 | 0 | 0 | 0 | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 | 4 000 |
| ADDITIONAL CAPACITY | 0 | 68 | 136 | 204 | 272 | 340 | 408 | 476 | 544 | 612 | 681 |
| ADDITIONAL ESTIMATED FLOW (GPD) | 0 | 13,600 | 27,200 | 40 800 | 54 400 | 68,000 | 81,600 | 95,200 | 108 800 | 122,400 | 136,200 |
| TAPPING FEE CAPACITY | 0 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| ESTIMATED YEARLY REVENUE. | | | | | | | | | | | |
| AT $99 00 PER QUARTER (WITH ANNUAL INCREASE OF $3 / QTR.) | 39,600 | 93 024 | 149 520 | 206,064 | 241 980 | 288 648 | 328,068 | 369 120 | 411,804 | 455 120 | 502 584 |
| OR $4 94 PER THOUSAND GALLONS (WITH 3% INCREASE / YR) | 296 | 305 | 314 | 19,534 | 41,703 | 66 704 | 72,105 | 77,875 | 84,103 | 90,831 | 98 097 |
| TAPPING FEES | 0 | 350 000 | 350,000 | 350,000 | 350,000 | 350,000 | 350,000 | 350,000 | 350,000 | 350,000 | 410 000 |
| TOTAL REVENUE | 39 896 | 443,329 | 499,834 | 575,598 | 633,683 | 705,412 | 750,173 | 796,993 | 845,907 | 896 951 | 1 010 681 |
| ESTIMATED EXCESS (SUBSIDY) BEFORE RESERVE | (74 327) | 29 167 | 29 167 | 29,167 | 29 167 | 29 167 | 29 167 | 190 884 | 673,091 | 710 449 | 809,399 |
| CAPITAL REPLACEMENT RESERVE: | | | | | | | | | | | |
| Equipment (Reserve Fund) | (29 167) | (29 167) | (29 167) | (29 167) | (29 167) | (29 167) | (29 167) | (29 167) | (29 167) | (29 167) | (29 167) |
| ESTIMATED EXCESS (SUBSIDY) | (103 494) | 0 | (0) | (0) | 0 | (0) | (0) | 161,717 | 643,924 | 681 282 | 780,232 |
| Rate per Quarter | 99.00 | 102 00 | 105 00 | 108.00 | 111 00 | 114 00 | 117 00 | 120 00 | 123 00 | 126 00 | 129 00 |
| Annual Rate | 396.00 | 408.00 | 420.00 | 432.00 | 444 00 | 456.00 | 468 00 | 480 00 | 492 00 | 504 00 | 516 00 |
| GPD per House (EDU) | 200.00 | | | | | | | | | | |
| Per 1000 Gallons = 4 94 | 0 004940 | 0 005335 | 0 005762 | 0.006223 | 0.006721 | 0 007258 | 0 007839 | 0 008466 | 0 009143 | 0 009875 | 0 010665 |
| Inflation Rate / Cost Increase | | 1 08 | 1 08 | 1 08 | 1 08 | 1.08 | 1.08 | 1 08 | 1 08 | 1 08 | 1 08 |
| Debt Balance | 3 000,000 | 2 712,646 | 2 377 993 | 1 976,906 | 1 522,799 | 1 001,796 | 440,842 | 0 | 0 | 0 | 0 |
| Interest Rate | 1 1621% | 1 1621% | 1 1621% | 1 1621% | 1 1621% | 1 1621% | 1 1621% | 1 1621% | 1621% | 1 1621% | 1 1621% |
| Tapping Fee | 10,000.00 | | | | | | | | | | |

WEATHERSTONE WASTEWATER TREATMENT PLANT
ESTIMATED OPERATING BUDGET
INCREASE CAPACITY BY 110 000 GALLONS AT 116GPD PER EDU

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Personnel: | | | | | | | | | | | |
| Basic Operational Services | 12 144 | 13,116 | 14 165 | 15 298 | 16 522 | 17 844 | 19 271 | 20 813 | 22,478 | 24 276 | 26 218 |
| Additional Services (Emergency Etc.) | 2,500 | 2 700 | 2,916 | 3,149 | 3,401 | 3,673 | 3,967 | 4,285 | 4,627 | 4,998 | 5 397 |
| Chapter 94 Reporting | 2 400 | 2,592 | 2,799 | 3 023 | 3,265 | 3,526 | 3,808 | 4,113 | 4,442 | 4 796 | 5,181 |
| Meetings with Township | 600 | 648 | 700 | 756 | 816 | 882 | 952 | 1,028 | 1,111 | 1,199 | 1 295 |
| Respond to PA One Calls | 750 | 810 | 875 | 945 | 1 020 | 1 102 | 1 190 | 1 285 | 1,388 | 1 499 | 1,619 |
| Respond to Collection System | 1 000 | 1,080 | 1,166 | 1,260 | 1 360 | 1,469 | 1,587 | 1 714 | 1,851 | 1,999 | 2,159 |
| Inspect Collection System | 19,394 | 20,946 | 22,621 | 24,431 | 26,385 | 28,496 | 30 776 | 33 238 | 35,897 | 38,769 | 41,870 |
| Supplies: | | | | | | | | | | | |
| Office | 100 | 108 | 117 | 126 | 136 | 147 | 159 | 171 | 185 | 200 | 216 |
| Field | 500 | 540 | 583 | 630 | 680 | 735 | 793 | 857 | 925 | 1 000 | 1,079 |
| Laboratory | 200 | 216 | 233 | 252 | 272 | 294 | 317 | 343 | 370 | 400 | 432 |
| Chemicals | 2 500 | 2 700 | 2 916 | 3 149 | 3 401 | 3 673 | 3,967 | 4 285 | 4 627 | 4 998 | 5 397 |
| Miscellaneous | 200 | 216 | 233 | 252 | 272 | 294 | 317 | 343 | 370 | 400 | 432 |
| | 3,500 | 3,780 | 4,082 | 4 409 | 4,761 | 5 143 | 5,554 | 5 998 | 6,478 | 6 997 | 7,556 |
| Outside Services: | | | | | | | | | | | |
| Administration & Billing | 4 400 | 4 752 | 5 132 | 5 543 | 5 986 | 6 465 | 6,982 | 7 541 | 8 144 | 8 795 | 9 499 |
| Repairs to Equipment | 4,000 | 4,320 | 4,666 | 5,039 | 5 442 | 5,877 | 6,347 | 6,855 | 7,404 | 7,996 | 8,636 |
| Grass Cutting and Harvest (Whole Site) | 6 947 | 7 503 | 8 103 | 8 751 | 9,451 | 10,207 | 11 024 | 11 906 | 12 858 | 13,887 | 14,998 |
| Road Maintenance (Snow Plowing) | 500 | 540 | 583 | 630 | 680 | 735 | 793 | 857 | 925 | 1 000 | 1 079 |
| Laboratory Services (11 Monitoring Wells) | 9,020 | 9,742 | 10,521 | 11 363 | 12 272 | 13,253 | 14 314 | 15,459 | 16 695 | 18,031 | 19,474 |
| Liability Insurance | 3,000 | 3 240 | 3,499 | 3 779 | 4 081 | 4,408 | 4,761 | 5 141 | 5,553 | 5,997 | 6,477 |
| Professional Services (Engineering & Legal) | 4,000 | 4,320 | 4,666 | 5,039 | 5,442 | 5,877 | 6,347 | 6,855 | 7,404 | 7,996 | 8,636 |
| Annual Flow Meter Calibration (2 meters) | 1 000 | 1,080 | 1,166 | 1 260 | 1 360 | 1,469 | 1,587 | 1 714 | 1,851 | 1,999 | 2 159 |
| Generator Maintenance (2 generators) | 1 150 | 1 242 | 1,341 | 1,449 | 1,565 | 1,690 | 1,825 | 1,971 | 2,129 | 2,299 | 2 483 |
| | 34,017 | 36,738 | 39,677 | 42,852 | 46,280 | 49,982 | 53,981 | 58,299 | 62,965 | 68,000 | 73 440 |
| Utilities: | | | | | | | | | | | |
| Electric | 15,000 | 18,000 | 24,000 | 30,000 | 32 400 | 34,992 | 37,791 | 40 815 | 44 080 | 47 606 | 51 415 |
| Telephone | 350 | 378 | 408 | 441 | 476 | 514 | 555 | 600 | 648 | 700 | 756 |
| Trash Removal | 500 | 540 | 583 | 630 | 680 | 735 | 793 | 857 | 925 | 1 000 | 1 079 |
| Water | 400 | 432 | 467 | 504 | 544 | 588 | 635 | 686 | 740 | 800 | 864 |
| Fuel (Miscellaneous) | 50 | 54 | 58 | 63 | 68 | 73 | 79 | 86 | 93 | 100 | 108 |
| | 16,300 | 19 404 | 25,516 | 31,639 | 34,169 | 36,902 | 39 854 | 43,043 | 46,486 | 50,205 | 54,221 |
| Pump Station #1. | | | | | | | | | | | |
| Electric | 3 000 | 5,000 | 6,000 | 7 000 | 8 000 | 8,640 | 9,331 | 10 078 | 10 884 | 11 755 | 12 695 |
| Fuel | 50 | 54 | 58 | 63 | 68 | 73 | 79 | 86 | 93 | 100 | 108 |
| Semi-Annual Cleaning | | 1 030 | 1 112 | 1 201 | 1 298 | 1 401 | 1 513 | 1 634 | 1 765 | 1 906 | 2 059 |
| Annual Flow Meter Calibration | | 515 | 556 | 601 | 649 | 701 | 757 | 817 | 883 | 953 | 1 029 |
| | 3 050 | 6 599 | 7 727 | 8,865 | 10,014 | 10,815 | 11,681 | 12,615 | 13,624 | 14 714 | 15,891 |
| Pump Station #2: | | | | | | | | | | | |
| Electric | 1 500 | 2 750 | 3 000 | 3,500 | 4 000 | 4 320 | 4,666 | 5 039 | 5 442 | 5 877 | 6,347 |
| Fuel | 50 | 54 | 58 | 63 | 68 | 73 | 79 | 86 | 93 | 100 | 108 |
| Semi-Annual Cleaning | 1 000 | 1 080 | 1 166 | 1 260 | 1 126 | 1 160 | 1 160 | 1 160 | 1 160 | 1 160 | 1 160 |
| Annual Flow Meter Calibration | 500 | 540 | 583 | 630 | 563 | 580 | 580 | 580 | 580 | 580 | 580 |
| | 3,050 | 4 424 | 4 808 | 5,453 | 5,757 | 6,133 | 6,485 | 6,865 | 7,275 | 7 717 | 8 195 |
| Safety: | | | | | | | | | | | |
| Equipment | 50 | 54 | 58 | 63 | 68 | 73 | 79 | 86 | 93 | 100 | 108 |
| Debt Service: | | | | | | | | | | | |
| Principal | 0 | 1 119 586 | 1 210 684 | 669 730 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interest | 34 862 | 34 863 | 21,852 | 7 783 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 34 862 | 1 154 449 | 1,232,536 | 677,513 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL EXPENSES | 114 223 | 1 246 394 | 1 337,027 | 795,223 | 127 435 | 137,545 | 148 410 | 160,143 | 172,816 | 186,502 | 201,283 |
| RESIDENTIAL UNITS COMPLETED | 100 | 160 | 220 | 273 | 273 | 273 | 273 | 273 | 273 | 273 | 273 |
| RESIDENTIAL ESTIMATED FLOW (GPD) | 11,600 | 18 560 | 25,520 | 31 668 | 31,668 | 31,668 | 31 668 | 31,668 | 31,668 | 31,668 | 31,668 |
| COMMERCIAL EDU | 1 | 1 | 1 | 43 | 85 | 126 | 126 | 126 | 126 | 126 | 126 |
| COMMERCIAL ESTIMATED FLOW (GPD) | 116 | 116 | 115 | 4 988 | 9,880 | 14 616 | 14,616 | 14,616 | 14,616 | 14 616 | 14 616 |
| RESERVE CAPACITY | 0 | 0 | 0 | 0 | 0 | 20 | 20 | 20 | 20 | 20 | 20 |
| RESERVE ESTIMATED FLOW (GPD) | 0 | 0 | 0 | 0 | 0 | 2,320 | 2,320 | 2,320 | 2,320 | 2,320 | 2,320 |
| ADDITIONAL CAPACITY | 0 | 147 | 294 | 441 | 588 | 735 | 882 | 1 029 | 1,176 | 1,323 | 1,477 |
| ADDITIONAL ESTIMATED FLOW (GPD) | 0 | 17,052 | 34 104 | 51,156 | 68 208 | 85,260 | 102,312 | 119,364 | 136,416 | 153 468 | 171 332 |
| TAPPING FEE CAPACITY | 0 | 115 | 115 | 115 | 115 | 115 | 115 | 115 | 115 | 115 | 117 |
| ESTIMATED YEARLY REVENUE: | | | | | | | | | | | |
| AT $99.00 PER QUARTER (WITH ANNUAL INCREASE OF $3 / QTR.) | 39,600 | 125 256 | 215 880 | 308,448 | 382 284 | 466,768 | 549,900 | 634 560 | 722 748 | 814 464 | 913,320 |
| OR $ 4 94 PER THOUSAND GALLONS (WITH 3% INCREASE / YR) | 296 | 305 | 314 | 11,030 | 24 188 | 38,723 | 41 821 | 45 166 | 48,780 | 52,682 | 56 897 |
| TAPPING FEES | 0 | 1 150,000 | 1,150 000 | 1 150 000 | 1 150 000 | 1 150,000 | 1,150 000 | 1 150 000 | 1,150,000 | 1 150,000 | 1 170,000 |
| TOTAL REVENUE | 39,896 | 1,275 561 | 1 366,194 | 1,469 778 | 1,556,472 | 1,657 491 | 1,741,721 | 1,829 726 | 1,921,528 | 2,017 146 | 2 140,217 |
| ESTIMATED EXCESS (SUBSIDY) BEFORE RESERVE | (74 327) | 29,167 | 29 167 | 674 555 | 1 429,037 | 1 519,945 | 1 593 311 | 1 669 583 | 1 748 712 | 1 830,644 | 1 938 934 |
| CAPITAL REPLACEMENT RESERVE: | | | | | | | | | | | |
| Equipment (Reserve Fund) | (29 167) | (29 167) | (29 167) | (29 167) | (29 167) | (29 167) | (29 167) | (29 167) | (29 167) | (29 167) | (29 167) |
| ESTIMATED EXCESS (SUBSIDY) | (103 494) | 0 | 0 | 645 388 | 1,399 870 | 1,490,778 | 1,564 144 | 1,640,416 | 1,719,545 | 1,801 477 | 1 909 767 |
| Rate per Quarter | 99 00 | 102 00 | 105 00 | 108 00 | 111 00 | 114 00 | 117 | 120 | 23 | 126 | 129 |
| Annual Rate | 396 00 | 408 00 | 420.00 | 432 00 | 444 00 | 456 00 | 468 | 480 | 492 | 504 | 516 |
| GPD per House (EDU) | 116 00 | | | | | | | | | | |
| Per 1,000 Gallons = 4 94 | 0 004940 | 0 005035 | 0 005762 | 0 006220 | 0 006721 | 0 007258 | 0 007839 | 0 008466 | 0 009144 | 0 009875 | 0 010665 |
| Inflation Rate / Cost Increase | | 1 08 | 1 08 | 1 08 | 1 08 | 1 08 | 1 08 | 1 08 | 1 08 | 1 08 | 1 08 |
| Debt Balance | 3,000,000 | 1,880,414 | 669,730 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interest Rate | 1 1621% | 1 1621% | 1 1621% | 1 1621% | 1 1621% | 1 1621% | 1 1621% | 1 1621% | 1 1621% | 1 1621% | 1 1621% |
| Tapping Fee | 10 000 00 | | | | | | | | | | |