

**City of Harrisburg
Department of Public Works
Advanced Wastewater Treatment Facility**



**BUREAU OF SEWERAGE
MONTHLY REPORT
FEBRUARY 2011**

PHOTO: Final Clarifier Repairs

GENERAL

During the month of February, the AWTF met all monthly average NPDES permit requirements, with the exception of the quality and quantity limits for effluent suspended solids. The hydraulic loading to the facility averaged 23.7 MGD while achieving removal reductions of 82.8 percent CBOD, 63.2 percent Suspended Solids, and 49.9 percent Phosphorus (Exhibit A).

Contained in the body of this report are significant events that have transpired since last reporting. Factual information can be found in the attached exhibits.

OPERATIONS

During the period of January 29, 2010 through February 28, 2011 the Number 1 or Number 2 Enginator operated a total of 90 percent of the time for an average daily kWh output of 7,082 or a total production of 198,300 kWh. February revenue is anticipated to be approximately \$28,951.80 (Exhibit D).

Included in this report is flow information collected by ADS equipment and other monitoring devices. Data collected through February 2011 is presented in Exhibit B with flow in million gallons per day (MGD) broken down into Total, City, Suburbs and ten (10) drainage regions.

During the month of February, a total of 809,000 gallons of waste were delivered by the contract waste haulers to the AWTF (Exhibit G). Income, for the same period, amounted to \$48,084.00 (Exhibit G).

FEBRUARY ACCOMPLISHMENTS

Operations:

- Completed and submitted the AWTF's Annual Sara Title III, Tier II report for hazardous chemicals.
- Began addition of polymer flocculant in the secondary system to aid solids settling in the Final Clarifiers. Results were limited. Continued with additional testing to trouble shoot settleability problems suspected to be cause by salt introduction in the combined system.
- Assisted Ashbrook Simon-Hartley representatives with performance trials for the new Belt Filter Presses. To date, results have failed to meet the specifications of the contract. Work by the manufacturer is ongoing to maximize performance and meet the performance criteria.
- Received training from Geiger Pump and Equipment on the operation of the new Utility Water System.
- Continued night and weekend monitoring of the Sidestream Treatment and UNOX Pilot Trailers.
- Cleaned the basket strainers for the Belt Filter Press wash water booster pumps.

- Removed Primary Settling Tank Number 3 from service for maintenance and cleaning due to grit accumulation from heavy rain. Kept out of service to increase food to microorganism ratio to the secondary treatment system.
- Completed and submitted the AWTF's Annual Synthetic Minor Emissions Report to PA DEP.
- Performed City-wide mail run service.

Laboratory

- Submitted water samples from the City and contributing inter-municipal jurisdictions for zinc testing in an effort to assess the impact on the AWTF's zinc biosolids levels.
- Completed bi-monthly sampling and testing of biosolids for pollutants and fecal coliforms as required by our beneficial reuse (PAG08) permit and local limits sampling and testing required by our NPDES permit.
- Performed weekly nutrient sampling and testing of our influent and effluent as required by our NPDES permit.
- Performed additional testing for the BNR pilot study.
- Performed a data audit of the AWTF laboratory's daily analysis work sheets.

Industrial Waste Program:

- Reviewed self monitoring reports submitted for January 2011.
- Issued the industrial user sampling and inspection schedule for 2011.
- Issued violation notices to Harrisburg Dairies, Inc for an effluent discharge violation, the New Morgan Municipal Authority for failure to submit a required report in a timely manner and to the Norfolk Southern Railway Company an effluent discharge violation, failure to submit a required report in a timely manner and failure to implement best management practices.
- Updated Contract Waste Hauler data files.
- Completed Contract Waste Hauling and Pretreatment laboratory report preparation, and Quickbooks billing.
- Collected ADS flow monitoring data and updated the exhibit for the AWTF's monthly report.

Maintenance:

- Replaced the PVC coupling on the upper wash water box for Belt Filter Press Number 1.
- Removed the GT Mixer from the vertical line and moved it to the horizontal line in the Belt Filter Press Building basement for polymer addition to Belt Filter Press Number 2.

- Replaced the PVC pipe coupling on the inlet to Number 1 Polymer Pump in the Belt Filter Press polymer room.
- Replaced the mechanical joint gaskets in the suction line for Sewage Pump Number 1 at City Island Pump Station Number 1.
- Replaced the PVC drain line on the King Tool Gas Conditioner in the Cogeneration Building.
- Disassembled the inlet pipes to remove rags from Primary Sludge Pump Number 1 in the basement of the Control Building.
- Replaced the hinges and automatic door closure on the main door to the Control Building.
- Replaced the sump pump for the Degritter Building Garage floor drain.
- Repaired the lid and replaced the hinges on the Secondary Influent Sampler at the distribution box.
- Fabricated and installed a new yoke on the valve operator for Sewage Pump Number 1 at the Front Street Pump Station.
- Replaced the drive chain on the conveyor for the rag removal system at the Front Street Pump Station.
- Replaced the glass and automatic door closure on the west side door of the Secondary Digester Control House.

Field Maintenance:

- Assisted Plant Maintenance with the repairs to the suction line for Sewage Pump Number 1 at City Island Pump Station Number 1.
- Cleaned the scum off the siphon basins on the Paxton Creek Chambers.
- Completed the semi-annual inspection of the Paxton Creek and Hemlock Interceptor CSOs.
- Removed 74.6 ton of debris from the Grit Lagoon.
- Removed rags and debris from CSO Chambers Numbers 033, 053, 057 and 062.
- Replaced the overflow detection devices at CSO Chamber Number 006 and 010.
- Vactored CSO Chambers Number 45 and 46.
- Vactored the sump pump pit in the basement of the Control Building.

MARCH GOALS

- Continue compiling information for completion of the 2010 AWTF Annual Report.
- Begin the first series of semi-annual industrial user compliance sampling.
- Complete work on the annual US EPA pretreatment report and pretreatment segment of the AWTF and Chapter 94 Waste Load Management report.
- Update industrial user data files.
- Issue Contract Waste Hauler permits and renewal letters.
- Replace the cables, sheaves, shafts, and grease lines for the corner sweeps in Final Clarifier Number 1 and return to service.
- Replace the conduit, switches, wires and nine florescent light fixtures in the basement of the Belt Filter Press Building.
- Complete a visual inspection and assess the condition of Mixed Liquor Train Number 2 in the event this tank is needed for additional treatment to resolve settleability issues.

EXHIBIT A

CITY OF HARRISBURG
ADVANCED WASTEWATER TREATMENT FACILITY

Process Control - 2011

Parameters	January	February	March	April	May	June	July	August	September	October	November	December	Average	NPDES Limits
Volume, MGD	16.5	23.7											20.1	37.7
Carbonaceous Biochemical Oxygen Demand														
Influent, mg/l	192	140											166	-----
Effluent, mg/l	17	20											19	2.5
Percent Removal, %	90.8	82.8											86.8	-----
Effluent Loading, lb/d	2,288	3,930											3,109	7,860
Suspended Solids:														
Influent, mg/l	207	164											185	-----
Effluent, mg/l	41	54											48	30
Percent Removal, %	79.4	63.2											71.3	-----
Effluent Loading, lb/d	5,547	10,480											8,014	9,433
Nitrogen														
Total-N														
Influent, mg/l	27	23											25	-----
Effluent, mg/l	30	22											26	Monitor
Effluent Loading, lb/d	4,197	4,165											4,181	-----
NH3-N														
Influent mg/l	16	12											14	-----
Effluent, mg/l	21	16											19	17 (2)
Effluent Loading, lb/d	2,931	3,013											2,972	4,716
Phosphorus:														
Influent, mg/l	4.4	3.1											3.8	-----
Effluent, mg/l	1.6	1.5											1.6	2.0
Percent Removal, %	63.7	49.9											56.8	-----
Effluent Loading, lb/d	213	285											249	629
pH:														
Influent, Std. Units	7.3	7.3											7.3	-----
Effluent, Std. Units	7.0	7.0											7.0	6.0 - 9.0
Dissolved Oxygen:														
Effluent Minimum, mg/l	8.6	7.5											8.1	5.0 Min.
Fecal Coliform:														
Effluent, No./100 ml	13	21											17	200/100 ml (1)
Chlorine Residual:														
Effluent, mg/l	0.19	0.19											0.19	0.50

(1) Seasonal limit 2,000/100 ml Oct. 1 to Apr. 30 and 200/100 ml May 1 to Sept. 30.

(2) Seasonal Limit May 1 to Nov.1.

EXHIBIT B

CITY OF HARRISBURG
ADVANCED WASTEWATER TREATMENT FACILITY

Flow Monitoring Information, MGD - 2011

Month	Total Flow	City Regions					Suburb Regions					Total Precip inches		
		1	2	3	4	5	6	7	8	9	10			
January	16,500	6,690	9,810	5,091	0,112	0,152	1,014	0,321	1,818	2,648	1,797	3,411	0,136	1,530
February	23,700	9,695	14,005	7,159	0,187	0,168	1,860	0,321	2,070	3,410	2,559	5,758	0,208	2,780
March														
April														
May														
June														
July														
August														
September														
October														
November														
December														
Average	20.10	8.19	11.91											2.16
Percent	100.00	40.76	59.24											4.31

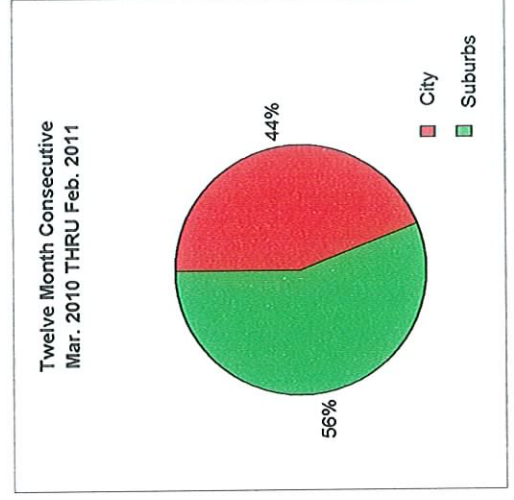
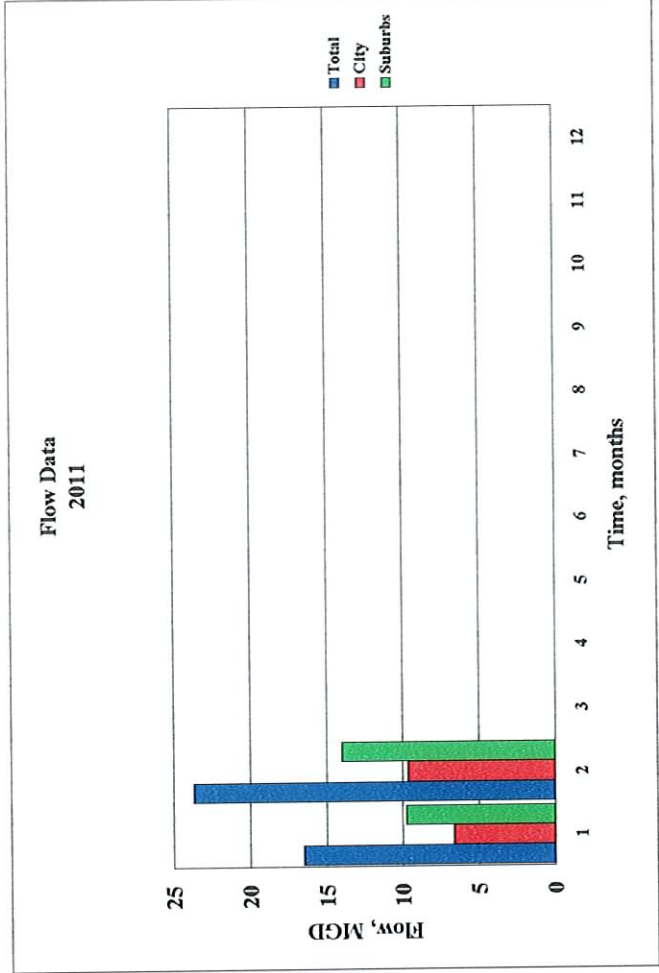


EXHIBIT C

CITY OF HARRISBURG
 ADVANCED WASTEWATER TREATMENT FACILITY

Treatment Utility and Chemical Usage - 2011

Utility / Chemical	January	February	March	April	May	June	July	August	September	October	November	December	Average	Total
Electric														
Total, kWh	905,500	*											452,750	905,500
Average, kWh/Day	29,210												29,210	
Cost, Dollars	\$106,408.69												\$106,408.69	\$106,408.69
Fuel Oil														
Total, Gals.	0	0											0	0
Average, Gals./Day	0	0											0	0
Cost, Dollars	\$0.00	\$0.00											\$0.00	\$0.00
Natural Gas														
Total, Cu Ft	857.8	*											429	858
Average, Cu Ft/Day	27.7												28	
Cost, Dollars	\$12,807.18												\$12,807.18	\$12,807.18
Water														
Total, Gal.	661,000	*											661,000	661,000
Average, Gal./Day	21,323												21,323	
Cost, Dollars	\$5,939.33												\$5,939.33	\$5,939.33
Chlorine Disinfection														
Total, Lbs.	7,525	7,785											7,655	15,310
Average, Lbs./Day	243	278											261	
Avg Residual, mg/l	0.18	0.18											0.18	
Cost, \$/Lbs.													#DIV/0!	
Total Cost, Dollars	\$0.00	\$0.00											\$0.00	\$0.00
Phosphorous Removal														
Total FeSO4, Gals.	44,032	28,918											36,475	72,950
Avg FeSO4, Gals./Day	1,420	1,033											1,226	
FeSO4 Cost, \$/Gal.	\$0.54	\$0.54											\$0.54	
FeSO4 Total Cost, Dollar	\$23,865.34	\$15,673.29											\$19,769.31	\$39,538.63

* No data at time of report

EXHIBIT D

CITY OF HARRISBURG
 ADVANCED WASTEWATER TREATMENT FACILITY

Cogeneration Electrical Production: 2010 - 2011

Period	Percent Run Time	Daily Avg Kilowatt	Kilowatt Hours Produced	Revenue Collected
Dec 29th - Jan 29th, 2010	85	7,177	222,500	\$32,485.00
Jan 29th - Feb 28th, 2010	62	5,329	149,200	\$21,783.20
Feb 28th - Mar 29th, 2010	77	5,832	180,790	\$26,395.34
Mar 29th - Apr 29th, 2010	75	5,467	164,000	\$23,944.00
Apr 29th - May 30th, 2010	100	8,058	249,800	\$36,470.80
May 30th - Jun 27th, 2010	79	6,890	206,700	\$30,178.20
Jun 27th - Jul 27th, 2010	59	3,945	122,300	\$17,855.80
Jul 27th - Aug 27th, 2010	49	2,335	72,400	\$10,570.40
Aug 27th - Sep 27th, 2010	38	1,750	52,500	\$7,665.00
Sep 27th - Oct 27th, 2010	31	1,961	60,800	\$8,876.80
Oct 27th - Nov 29th, 2010	52	3,230	96,900	\$14,147.40
Nov 29th - Dec 29th, 2010	36	2,506	77,700	\$11,344.20
Total - 2010	743	54,480	1,655,590	\$241,716.14
Monthly Average - 2010	62	4,540	137,966	\$20,143.01
Dec 29th - Jan 29th, 2011	87	6,594	204,400	\$29,842.40
Jan 29th - Feb 28th, 2011	90	7,082	198,300	\$28,951.80
Feb 28th - Mar 29th, 2011				
Mar 29th - Apr 29th, 2011				
Apr 29th - May 30th, 2011				
May 30th - Jun 27th, 2011				
Jun 27th - Jul 27th, 2011				
Jul 27th - Aug 27th, 2011				
Aug 27th - Sep 27th, 2011				
Sep 27th - Oct 27th, 2011				
Oct 27th - Nov 29th, 2011				
Nov 29th - Dec 29th, 2011				
Total - 2011	177	13,676	402,700	\$58,794.20
Monthly Average - 2011	89	6,838	201,350	\$29,397.10

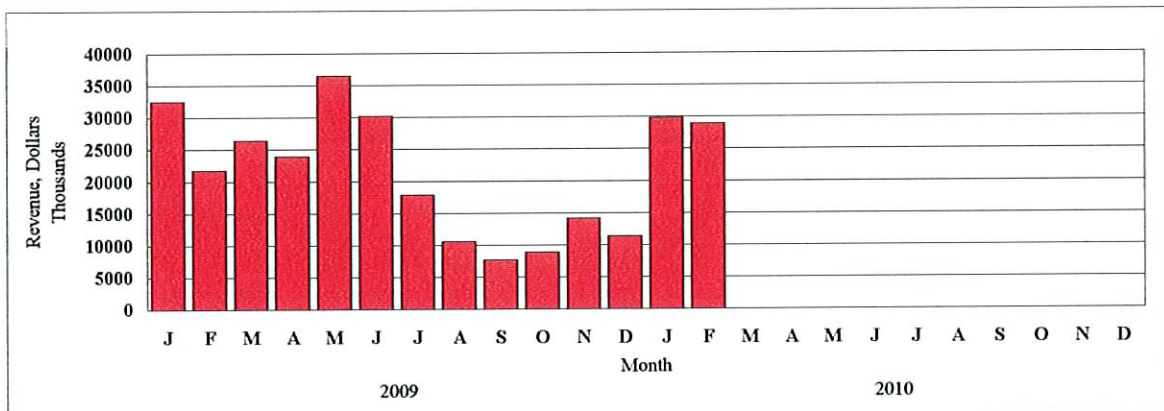


EXHIBIT E

CITY OF HARRISBURG
ADVANCED WASTEWATER TREATMENT FACILITY

Sludge Handling Information - 2011

Process	January	February	March	April	May	June	July	August	September	October	November	December	Average	Total
Solids Removal														
Process, Lbs.	927,425	962,337											944,881	1,889,762
CWH Program, Lbs.	241,180	223,240											232,210	464,420
Total Solids, Lbs.	1,168,605	1,185,577											1,177,091	2,354,182
Sludge Dewatering														
Feed Volume, Gals.	2,744,000	2,524,000											2,634,000	5,268,000
Feed Solids, %	1.9	2.0											2.0	-
Labor, Hours	371	339											355	709
Operations, Hours	543	551											547	1,094
Total Cake, Dry Tons	137	155											146	292
Total Cake, Wet Tons	821	882											852	1,703
Cake TS, %	17	18											17.3	-
Press Rate, Lbs./Hour	3,024	3,204											3,114	6,228
Polymer Dosage, Lbs	3,511	3,213											3,362	6,724
Polymer Dosage, Lbs/Dry Ton	25.6	20.7											23.2	-
Disposal Cost														
Labor, Dollars	\$7,121.01	\$6,513.66											\$6,817.33	\$13,634.67
Electrical, Dollars	\$238.92	\$242.26											\$240.59	\$481.18
Polymer, Dollars	\$6,144.25	\$5,621.88											\$5,883.06	\$11,766.13
Disposal, Dollars	\$33,289.72	\$42,005.00											\$37,647.36	\$75,294.72
Total Cost, Dollars	\$46,793.90	\$54,382.80											\$50,588.35	\$101,176.69
Cost Per Dry Ton, Dollars	\$341.56	\$350.34											\$345.95	\$691.90

CITY OF HARRISBURG
ADVANCED WASTEWATER TREATMENT FACILITY

Conveyance Utility Usage - 2011

Location / Utility	January	February	March	April	May	June	July	August	September	October	November	December	Average	Total
Front Street Pump Station														
Electric														
Total, kWh	76,800	*											76,800	76,800
Average, kWh/Day	2,477												2,477	76,800
Cost, Dollars	\$7,059.87												\$7,059.87	\$7,059.87
Fuel Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total, Gals.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average, Gals./Day	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cost, Dollars	\$0.00												\$0.00	\$0.00
Water														
Total, Gals.	5,000	*											5,000	5,000
Average, Gal./Day	161												161	5,000
Cost, Dollars	\$474.28												\$474.28	\$474.28
Spring Creek Pump Station														
Electric														
Total, kWh	35,840	36,160											36,000	72,000
Average, kWh/Day	1,156	1,291											1,224	72,000
Cost, Dollars	\$7,647.49	\$5,225.15											\$6,436.52	\$12,872.64
Fuel Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total, Gals.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average, Gals./Day	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cost, Dollars	\$0.00	\$0.00											\$0.00	\$0.00
Water														
Total, Gals.	53,000	*											53,000	53,000
Average, Gal./Day	1,710												1,710	53,000
Cost, Dollars	\$353.36												\$353.36	\$353.36
Market Street Pump Station														
Electric														
Total, kWh	10,920	11,280											11,100	22,200
Average, kWh/Day	353	403											378	22,200
Cost, Dollars	\$1,367.75	\$1,404.94											\$1,386.35	\$2,772.69
Fuel Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total, Gals.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average, Gals./Day	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cost, Dollars	\$0.00	\$0.00											\$0.00	\$0.00
City Island Pump Station														
Electric														
Total, kWh	680	640											660	1,320
Average, kWh/Day	22	23											22	1,320
Cost, Dollars	\$165.08	\$97.74											\$131.41	\$262.82

* No Data at time of report

EXHIBIT G

CITY OF HARRISBURG
ADVANCED WASTEWATER TREATMENT FACILITY

Contract Waste Hauling Program 2010 - 2011

Month	Process		Septic		Total	
	Gallons	Revenue	Gallons	Revenue	Gallons	Revenue
January	1,067,100	\$50,472.30	59,100	\$2,127.60	1,126,200	\$52,599.90
February	1,328,500	\$63,740.10	17,000	\$612.00	1,345,000	\$64,352.10
March	2,160,100	\$78,015.30	71,800	\$2,584.80	2,231,900	\$80,600.10
April	1,567,500	\$46,314.00	144,800	\$5,212.80	1,712,300	\$51,526.80
May	1,020,600	\$48,610.80	100,800	\$3,628.80	1,121,400	\$52,239.60
June	1,401,200	\$72,730.80	155,000	\$5,580.00	1,556,200	\$78,310.80
July	1,264,950	\$66,506.25	117,350	\$4,224.60	1,382,300	\$70,730.85
August	1,675,300	\$75,141.00	117,550	\$4,231.80	1,792,850	\$79,372.80
September	1,252,400	\$59,003.10	129,400	\$4,658.40	1,381,800	\$63,661.50
October	2,387,300	\$89,448.30	129,200	\$4,651.20	2,516,500	\$94,099.50
November	1,883,400	\$68,918.10	54,000	\$1,944.00	1,937,400	\$70,862.10
December	1,427,200	\$69,126.00	13,100	\$471.00	1,440,300	\$69,597.60
Total - 2010	18,435,550	\$788,026.05	1,109,100	\$39,927.00	19,544,150	\$827,953.65
Monthly Average - 2010	1,536,296	\$65,668.84	92,425	\$3,327.25	1,628,679	\$68,996.14
January	1,057,200	\$60,045.60	25,000	\$900.00	1,082,200	\$60,945.60
February	809,000	\$47,724.00	10,000	\$360.00	819,000	\$48,084.00
March						
April						
May						
June						
July						
August						
September						
October						
November						
December						
Total - 2011	1,866,200	\$107,769.60	35,000	\$1,260.00	1,901,200	\$109,029.60
Monthly Average - 2011	933,100	\$53,884.80	17,500	\$630.00	950,600	\$54,514.80

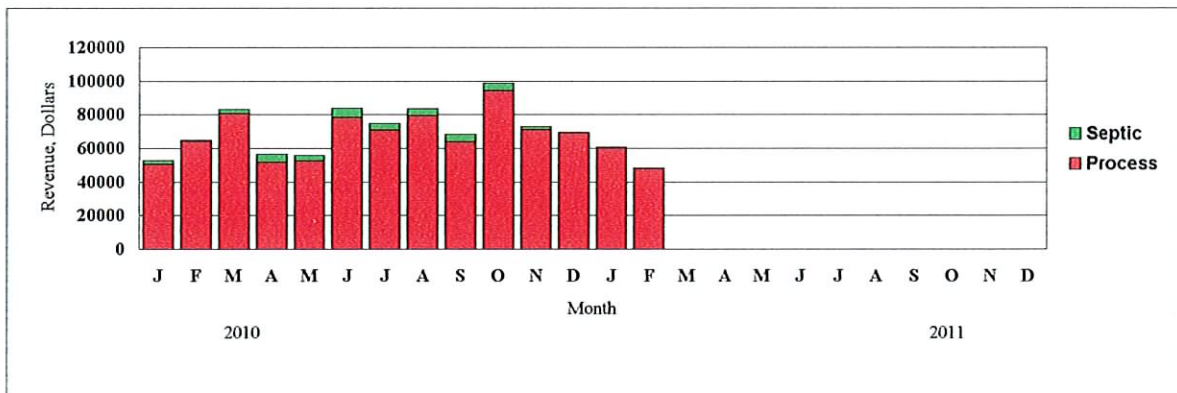


Exhibit H
CITY OF HARRISBURG
ADVANCED WASTEWATER TREATMENT FACILITY

	Jan 11	Budget	\$ Over Budget
Income			
2900 · Income			
350 · Interest Income			
350002 · Interest Savings - Con/Treat	584.96	1,450.00	-865.04
350003 · Interest Savings - Collection	116.44	250.00	-133.56
352002 · Interest Other - Con/Treat	0.03	600.00	-599.97
352003 · Interest Other-Collection	0.00	100.00	-100.00
Total 350 · Interest Income	701.43	2,400.00	-1,698.57
369 · Sewerage Utility Fund			
369002 · Conveyance/Treatment Revenue	322,514.97	5,143,000.00	-4,820,485.03
369003 · Collection System Revenue	56,459.04	928,000.00	-871,540.96
369005 · Sales of Scrap	0.00	400.00	-400.00
369008 · Sales to Public Authorities	649,689.49	7,943,746.00	-7,294,056.51
369010 · Sludge Handling Charges	0.00	370,000.00	-370,000.00
369011 · Sales of Electric Power	0.00	150,000.00	-150,000.00
369012 · Contract Waste Hauling Charges	0.00	2,000.00	-2,000.00
369013 · Pretreatment Charges	0.00	8,100.00	-8,100.00
369014 · Contract Waste Hauling Lab Fees	299.00	29,000.00	-28,701.00
369015 · Pretreatment Lab Fees	0.00	18,000.00	-18,000.00
369053 · Liens Principal - Convey/Treat	1,067.96	20,700.00	-19,632.04
369054 · Liens Interest - Convey/Treat	313.64	4,000.00	-3,686.36
369055 · Liens Principal - Collection	212.56	4,100.00	-3,887.44
369056 · Liens Interest - Collection	62.44	900.00	-837.56
Total 369 · Sewerage Utility Fund	1,030,619.10	14,621,946.00	-13,591,326.90
Total 2900 · Income	1,031,320.53	14,624,346.00	-13,593,025.47
Total Income	1,031,320.53	14,624,346.00	-13,593,025.47
Gross Profit	1,031,320.53	14,624,346.00	-13,593,025.47
Expense			
2910 · Administration			
414 · Salaries and Wages			
1414000 · Wages - Hourly Employees	18,246.05	248,698.00	-230,451.95
1416000 · Overtime	22,755.14		
1417000 · Sick Leave Buyback	0.00	2,400.00	-2,400.00
Total 414 · Salaries and Wages	41,001.19	251,098.00	-210,096.81
419 · Fringe Benefits			
1419001 · Social Security	8,100.10	20,939.00	-12,838.90
1419002 · Blue Cross/Shield	0.00	125,029.00	-125,029.00
1419005 · Severance Pay	0.00	15,000.00	-15,000.00
1419010 · Unemployment	0.00	8,000.00	-8,000.00
1419011 · Workers' Compensation	0.00	2,000.00	-2,000.00
1419012 · Loss Time / Medical @ WC	0.00	41,000.00	-41,000.00
1419014 · State Fees @ Workers' Comp.	0.00	1,300.00	-1,300.00
1419015 · Excess Insurance Policy @ WC	0.00	4,000.00	-4,000.00
Total 419 · Fringe Benefits	8,100.10	217,268.00	-209,167.90
420 · Communications			
1420010 · Advertising & Public Notices	0.00	500.00	-500.00
1420020 · Printing Reproducing & Report	5,244.87	5,489.00	-244.13
1420040 · Telephone	0.00	16,000.00	-16,000.00
1420050 · Postage	0.00	1,250.00	-1,250.00
Total 420 · Communications	5,244.87	23,239.00	-17,994.13
421 · Professional Fees			
1421020 · Audit Fees	0.00	21,930.00	-21,930.00
1421030 · Consulting	0.00	12,000.00	-12,000.00
1421040 · Collection	0.00	1,500.00	-1,500.00
1421050 · Professional Fees/Other	0.00	90,000.00	-90,000.00
Total 421 · Professional Fees	0.00	125,430.00	-125,430.00

Exhibit H
CITY OF HARRISBURG
ADVANCED WASTEWATER TREATMENT FACILITY

	Jan 11	Budget	\$ Over Budget
423 · Insurance			
1423002 · Stop/Loss Premium	0.00	25,600.00	-25,600.00
1423010 · Automobile	0.00	19,000.00	-19,000.00
1423011 · Auto Insurance Deductible	0.00	10,000.00	-10,000.00
1423020 · General Liability	0.00	50,000.00	-50,000.00
1423040 · Property	0.00	128,376.05	-128,376.05
1423041 · Property Deductible	0.00	8,000.00	-8,000.00
1423050 · Inland Marine	0.00	30,000.00	-30,000.00
1423060 · Flood (Property & Crime)	0.00	100,000.00	-100,000.00
1423090 · Public Official Liability	0.00	39,294.26	-39,294.26
1423095 · Excess Liability	0.00	13,000.00	-13,000.00
1423097 · Terrorism	0.00	14,000.00	-14,000.00
Total 423 · Insurance	0.00	437,270.31	-437,270.31
425 · Maintenance			
1425090 · Maintenance Service Contract	0.00	30,768.84	-30,768.84
Total 425 · Maintenance	0.00	30,768.84	-30,768.84
429 · Other Contracted Services			
1429001 · Tuition for Employee Training	0.00	500.00	-500.00
1429003 · Interfund - General Admin.	473,752.00	3,018,507.00	-2,544,755.00
1429009 · Pension Fund Admin. Charge	0.00	120.00	-120.00
1429012 · Laundry & Dry Clean	0.00	9,750.00	-9,750.00
1429016 · Conferences	0.00	200.00	-200.00
1429017 · Membership Dues	0.00	100.00	-100.00
1429025 · CAT Event Disaster Recovery	0.00	9,583.56	-9,583.56
1429095 · Bank Service Charge	535.37	6,000.00	-5,464.63
Total 429 · Other Contracted Services	474,287.37	3,044,760.56	-2,570,473.19
430 · Supplies and Expenses			
1430002 · Software & Licenses	0.00	16,000.00	-16,000.00
1430003 · Subscriptions, Periodicals	0.00	300.00	-300.00
1430008 · Data Processing Supplies	0.00	200.00	-200.00
1430009 · Office Supplies	0.00	3,000.00	-3,000.00
Total 430 · Supplies and Expenses	0.00	19,500.00	-19,500.00
449 · Authority Payments			
1449030 · Transfer To Authority - Rental	571,566.05	2,161,000.00	-1,589,433.95
1449031 · Pennvest	0.00	252,389.08	-252,389.08
Total 449 · Authority Payments	571,566.05	2,413,389.08	-1,841,823.03
Total 2910 · Administration	1,100,199.58	6,562,723.79	-5,462,524.21
2920 · Operations			
414 · Salaries and Wages - Operations			
2414000 · Wages-Hourly Employees	64,882.61	867,828.00	-802,945.39
2416000 · Overtime	0.00	220,030.17	-220,030.17
Total 414 · Salaries and Wages - Operations	64,882.61	1,087,858.17	-1,022,975.56
419 · Fringe Benefits			
2419001 · Social Security	0.00	83,221.00	-83,221.00
2419002 · Blue Cross/Blue Shield	0.00	265,316.00	-265,316.00
Total 419 · Fringe Benefits	0.00	348,537.00	-348,537.00
422 · Utilities and Service			
2422010 · Water	0.00	115,000.00	-115,000.00
2422020 · Electricity	0.00	961,319.00	-961,319.00
2422030 · Heat	23,000.00	125,604.00	-102,604.00
2422090 · Garbage & Refuse Removal	0.00	831,610.00	-831,610.00
Total 422 · Utilities and Service	23,000.00	2,033,533.00	-2,010,533.00
424 · Rental			
2424060 · Other	0.00	1,176.00	-1,176.00
Total 424 · Rental	0.00	1,176.00	-1,176.00
425 · Maintenance and Repairs			
2425080 · Service Contracts	0.00	160,000.00	-160,000.00
2425099 · Other Contracted Maint & Repair	0.00	30,500.00	-30,500.00
Total 425 · Maintenance and Repairs	0.00	190,500.00	-190,500.00
429 · Contracted Services			
2429003 · General Admin. Charges	501,168.03	3,193,188.00	-2,692,019.97
Total 429 · Contracted Services	501,168.03	3,193,188.00	-2,692,019.97

Exhibit H
CITY OF HARRISBURG
ADVANCED WASTEWATER TREATMENT FACILITY

	Jan 11	Budget	\$ Over Budget
430. · Supplies and Expenses			
2430011 · Custodial Supplies	0.00	8,000.00	-8,000.00
2430012 · Personnel Safety Supplies	0.00	1,000.00	-1,000.00
2430016 · Medical Surgical & Lab Supplies	0.00	82,000.00	-82,000.00
2430037 · Chemicals	0.00	440,000.00	-440,000.00
2430099 · Miscellaneous	0.00	412,500.00	-412,500.00
Total 430. · Supplies and Expenses	0.00	943,500.00	-943,500.00
Total 2920 · Operations	589,050.64	7,798,292.17	-7,209,241.53
2930 · Maintenance			
414.. · Wages and Salary			
3414000 · Wages-Hourly Employees	31,150.73	417,476.00	-386,325.27
3416000 · Overtime	292.79	6,025.00	-5,732.21
Total 414.. · Wages and Salary	31,443.52	423,501.00	-392,057.48
419.. · Fringe Benefits			
3419001 · Social Security	2,405.43	32,400.00	-29,994.57
3419002 · Blue Cross/Blue Shield	0.00	136,640.00	-136,640.00
Total 419.. · Fringe Benefits	2,405.43	169,040.00	-166,634.57
425.. · Maintenance and Repairs			
3425010 · Vehicle Equipment	0.00	10,100.00	-10,100.00
3425060 · Operations Equipment	0.00	5,000.00	-5,000.00
Total 425.. · Maintenance and Repairs	0.00	15,100.00	-15,100.00
429.. · Contracted Service			
3429003 · General Admin. Charges	95,087.15	605,847.00	-510,759.85
3429090 · Miscellaneous	0.00	3,900.00	-3,900.00
Total 429.. · Contracted Service	95,087.15	609,747.00	-514,659.85
430.. · Supplies and Expenses			
3430012 · Personal Safety Supplies	0.00	300.00	-300.00
3430030 · Snow/Ice Control Supplies	0.00	200.00	-200.00
3430036 · Building & Construction Supplie	0.00	1,500.00	-1,500.00
3430040 · Botanical	0.00	200.00	-200.00
3430042 · Expendable Tools & Hardware	0.00	5,000.00	-5,000.00
3430045 · Utility Plant, Fuels, Lubricant	0.00	5,000.00	-5,000.00
3430050 · Motor Fuels & Lubricants	0.00	16,500.00	-16,500.00
3430051 · Tires & Batteries	0.00	2,600.00	-2,600.00
3430052 · Vehicle Parts & Supplies	0.00	10,500.00	-10,500.00
3430055 · Mechanical Equipmt-Parts & Supp	0.00	200,000.00	-200,000.00
3430057 · Pipe Connection Etc	0.00	13,000.00	-13,000.00
3430099 · Misc. Supplies & Expenses	0.00	13,000.00	-13,000.00
Total 430.. · Supplies and Expenses	0.00	267,800.00	-267,800.00
457.. · Sewer Plant Equipment			
3457000 · Plant Equipment	0.00	75,100.00	-75,100.00
Total 457.. · Sewer Plant Equipment	0.00	75,100.00	-75,100.00
Total 2930 · Maintenance	128,936.10	1,560,288.00	-1,431,351.90
2940 · Field Maintenance			
414... · Wages and Salary - Fd. Main.			
4414000 · Wages Hourly Employees	12,980.77	174,570.00	-161,589.23
4416000 · Overtime	1,442.03	18,821.48	-17,379.45
Total 414... · Wages and Salary - Fd. Main.	14,422.80	193,391.48	-178,968.68
419... · Fringe Benefits			
4419001 · Social Security	1,103.35	14,795.00	-13,691.65
4419002 · Blue Cross/Blue Shield	0.00	55,856.00	-55,856.00
Total 419... · Fringe Benefits	1,103.35	70,651.00	-69,547.65
420... · Printing & Reproduction			
4420020 · Printing Repro & Report	0.00	1,000.00	-1,000.00
Total 420... · Printing & Reproduction	0.00	1,000.00	-1,000.00
422.. · Utilities			
4422010 · Water	0.00	10,000.00	-10,000.00
4422020 · Electricity	0.00	225,011.00	-225,011.00
4422030 · Heat	0.00	1,000.00	-1,000.00
4422090 · Garbage and Refuse	0.00	6,400.00	-6,400.00
Total 422.. · Utilities	0.00	242,411.00	-242,411.00

Exhibit H
CITY OF HARRISBURG
ADVANCED WASTEWATER TREATMENT FACILITY

	Jan 11	Budget	\$ Over Budget
425... · Maintenance and Repairs			
4425010 · Vehicular Equipment	0.00	6,000.00	-6,000.00
4425099 · Other Contracted Maint/Repairs	0.00	1,000.00	-1,000.00
Total 425... · Maintenance and Repairs	0.00	7,000.00	-7,000.00
429... · Contracted Services			
4429003 · General Admin. Charges	71,858.21	457,844.00	-385,985.79
Total 429... · Contracted Services	71,858.21	457,844.00	-385,985.79
430... · Supplies and Expenses			
4430012 · Personal Safety Supplies	0.00	250.00	-250.00
4430037 · Chemicals	0.00	200.00	-200.00
4430042 · Tools & Hardware	0.00	200.00	-200.00
4430050 · Motor Fuels/Lubricants	0.00	3,500.00	-3,500.00
4430051 · Tires & Batteries	0.00	200.00	-200.00
4430052 · Vehicle Parts & Supplies	0.00	4,250.00	-4,250.00
4430055 · Mechanical Equipment P & S	0.00	8,000.00	-8,000.00
Total 430... · Supplies and Expenses	0.00	16,600.00	-16,600.00
Total 2940 · Field Maintenance	87,384.36	988,897.48	-901,513.12
Total Expense	1,905,570.68	16,910,201.44	-15,004,630.76
Net Income	-874,250.15	-2,285,855.44	1,411,605.29