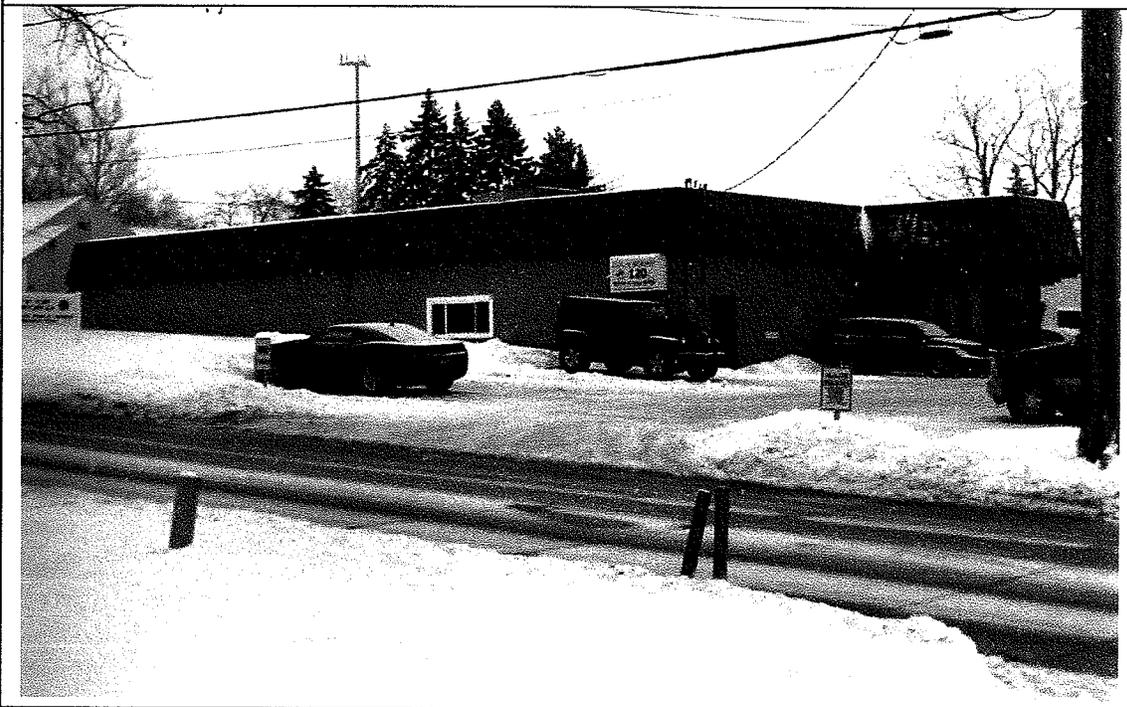




# **DIVISION OF PUBLIC WORKS 2010 ANNUAL REPORT**

**SUBMITTED BY:  
CLINT E. BELLAR SERVICE DIRECTOR**



## **INTRODUCTION**

*The Public Works Department is comprised of four divisions (Service, Water, Waste Water, and Cemetery) which are basically responsible for the administration and maintenance of roadways, sign installation and repair, snow and ice control, brush and leaf programs, Public Works buildings and property maintenance, storm and sanitary sewer maintenance and repair, waste water treatment, cemetery maintenance, water billing, collections, mains, meters, hydrants, valve maintenance and repairs, all City vehicle maintenance and repair, and the monitoring of all services contracted out.*

*The department's 2010 full-time personnel was 37 at year end.*

*In addition to the primary responsibilities outlined above and in the annual report, the Public Works Department aids, assists and constructs improvements for other City departments. Public Works manpower, equipment and materials are also utilized to support the daily and/or emergency requests from other departments.*

*Numerous inquires and requests received from residents, City Council and City staff personnel are responded to according to their priority, with Council requests being given first consideration. Any request which would present a hazard is addressed immediately. Other requests, of a less urgent nature are scheduled as time, personnel, equipment and weather permit. Supervisory and labor personnel meet frequently with residents to advise or make recommendations to help resolve their concerns. Public Works Department personnel are instructed to respond to the public with respect and courtesy.*

*The following report is intended to provide a more in-depth outline and description of the Public Works Departments yearly performance.*

### ***MAJOR ACCOMPLISHMENTS FOR 2010***

1. Switched refuse collection from Waste Management to J & J Refuse at a savings of approximately \$50,000.00 per year.
2. Extensive in-house street repairs.
3. Continuance of our class IV composting facility resulting in a nice final product (leaf humas) to give back to our residents. The implementation of our own composting facility has also saved thousands of dollars in dumping fees.
4. Purchase, remodel, and occupy the of the Knights of Columbus Building (120 Solon Road.)
5. Annual Sanitary sewer repairs.
6. Extensive Resurfacing project that included water main replacement and several Parking lots.

### ***MAJOR PURCHASES FOR 2010***

1. Purchase of a two new 1 1/2 ton Dump Trucks with Plows for Service.
2. Purchase of a new Case Front End Loader for Service.
3. Purchase of a new Truck for Waste Water to haul sludge.
4. Purchase of a new Case Backhoe for Water Dept.

**2010 PUBLIC WORKS DEPARTMENT**

Clint E. Bellar, DIRECTOR

Kathie Chapman, ADM. SECRETARY

**SERVICE DEPARTMENT**

Robert L. Duber, SUPT. OF PUBLIC WORKS

CREW LEADERS

Grayling Ross  
Rick Hollan

HEAVY EQUIPMENT OPERATORS

Scott Stoffl

EQUIPMENT OPERATORS

Matt Gaborko  
Frank Spagnoli  
Jason Vespucci

CARPENTER

Tony Romito

EQUIPMENT MECHANICS

Rick Gromovsky (Shop Foreman)  
Frank Horney  
Bryan Olschansky

MAINTENANCE WORKER

William Darr  
Ed Kearney  
Dennis Favazzo

BODY MAN

Nick Scheafer  
Jason Piscura  
Bob Depew

**WASTE WATER TREATMENT PLANT**

Jason Milani, SUPERINTENDENT  
Jon Turk, ASST. SUPERINTENDENT

LAB TECHNICIAN

Todd Assad

MAINT.MECHANICS

Dante Spagnoli  
Bill Catalano

PLANT OPERATOR

John Webb  
Jeff Peters

PLANT MAINT. WORKER

Jeff Boehm  
Bill Putka  
Kurt Pausch

**WATER DEPARTMENT**

Shawn Francis, SUPERINTENDENT

CREW LEADER

Frank Dulik

BILLING CLERKS

Lynda Yarish  
Joanie Law

MAINTENANCE WORKER

Ed Barth  
John Sokolowski  
Frank Graci

METER READERS

3 Part Time

EQUIPMENT OPERATOR

**CEMETERY**

EQUIPMENT OPERATOR

Scott Spencer

### **ROAD MAINTENANCE PROGRAM**

Accomplishments in the 2010 Road Maintenance Program were completed through the utilization of city forces and equipment, and by contract for asphaltic overlays, chip and seal coating, and concrete repairs. Included in the street maintenance program are apron repairs, guardrail repairs, paint striping, curb repair, berm repair, cold patching, street sweeping, and debris removal.

#### **STREET IMPROVEMENTS - ASPHALT OVERLAY**

Street	Feet	Street	Feet
Archer Road	6200	Paul Street	3350
Avery Ave.	1450	Rockside	9650
Berkshire	650	W. Grace (Turney to Broadmore)	1800
Berwyn (Rt. 8 to Dead End)	750	Wellmon Street	4150
Button	3200	Woodrow	2150
Dewhurst	700	Melba	300
Overlook	850	Adams	1200
Park Place	500		

Total Miles - 6.99

#### **CONCRETE STREETS – REPAIR JOINTS AND SLABS**

Street	Feet
Palmetto Ave. (Daisy to Dead End)	600

#### **REJUVENATING PROJECT**

Each year the streets that were paved the previous year are sprayed with pavement rejuvenator to put oils back into the asphalt and extend the life of the street. For 2010, this work was not done due to budget restraints.

#### **CRACKSEAL PROGRAM**

The crackseal program proposes to extend the life expectancy of the roadways by sealing out water, ice, and other materials which penetrate voids in the pavement.

The Service Department performed crack sealing on all of the in-house road repairs in 2010.

## STREET MAINTENANCE MAN HOURS 2010

Street Repair (Curbs, aprons, berms, asphalt,)	3410 hours
Guardrail Repair	48 hours
Paint Striping	680 hours
Clean Debris	16 hours
Cold Patch	1392 hours
Street Sweeper	808 hours
Repair Brick streets	-0- hours
Trenching road ditches	-0- hours

## SNOW AND ICE CONTROL

The cost of snow and ice control is a large share of the street maintenance budget, and at the end of the year there is little to show for all the man-hours and equipment usage. However, this service provides safe passage for pedestrians and motorists.

For the 2010 winter season we joined ODOT's bid for the purchase of Rock Salt.

In many ways the public take snow and ice control for granted inasmuch as their tax dollars provide funds. However, city personnel work long tedious hours to provide and improve this service and are extremely proud of the job done. This department is aware that a good snow and ice control program is important to the City's public relations and economic well being.

Responding to snow and ice emergencies is a team effort between the Police and Public Works Department. The police notify a crew leader when conditions warrant mobilization of snow removal crews, in turn, the crew leader contacts the appropriate number of personnel to handle the situation.

A typical snow removal crew consists of seven people, five drivers for the large trucks, one driver for a one ton truck, and crew leader or supervisor to monitor the operations and log the time that each street is plowed or salted.

## SNOW AND ICE REMOVAL MAN HOURS 2010

1558 Regular Hours

1864 Overtime Hours

## **STORM AND SANITARY SEWERS**

This program addresses maintenance of the City's infrastructure of the storm and sanitary sewer systems. Both systems are on a five year maintenance program. The maintenance program includes cleaning and root cutting with our sewer jet, T.V. inspection of house laterals when warranted, and smoke or dye testing to keep storm water out of our sanitary sewers and vice versa. All catch basins are cleaned once yearly with our vac-all and the ones that are collapsed or deteriorated are rebuilt.

Both systems must be kept free of blockage in order to insure free flow of water and proper drainage. Most blockages result due to silt settlement, detergent/grease buildup, debris, litter, leaves, etc. Blockages are cleared by utilizing our sewer jet, which breaks up the material by forcing high pressure water through the pipe and washing it out. Other blockages may be the result of a pipe separation, break or deterioration. These blockages require repair, replacement and/or reconstruction of the damaged structure.

Man hours not included in the sewer programs are hours worked opening blocked house sewers. These hours are included in the miscellaneous/shop. The two employees that for the most part work on the house sewers are the sign dept. employees.

2010 HOUSE SEWERS – 894 total, approximately 1/2 to 1 hour per sewer call.  
AFTER HOURS SEWER CALLS – 331 hours overtime.

### **STORM AND SANITARY MAN HOURS 2010**

Sewer Crew	2494 hours
Sewer Jet	429 hours
Vac-all (catch basin cleaning)	587 hours
Smoke/Dye test/T.V.	109 hours
Catch Basin Repair	1133 hours
Sewer Repair	156 hours
Repair Manhole Risers	9 hours

Over the past five years the complete sewer system has been televised, as a result, the problem areas have been located and are being scheduled for repairs in the five year capital plan with approx. \$100,000.00 per year in repairs, replacement, grouting and manhole rehabilitation.

Each year since 1993, \$15,000.00 per year has been budgeted to conduct downspout dye testing to locate illegal connections to our sanitary sewer system.

### ***LANDSCAPING - PARKS/PUBLIC LANDS***

These hours include maintenance such as hedge trimming, grass cutting, treelawn repair from plow damage and tree removal, sidewalk snow removal, and sidewalk repairs. Also included is planting of flowers throughout the city, leaf collection, stump removal, chipper service, and the installation and removal of Christmas Decorations, which have improvements every year.

#### **LANDSCAPING - PARKS/PUBLIC LANDS MAN HOURS 2010**

Landscape/Plant Flowers/Bricks at Commons etc.	1983 hours
Stumper/Chip removal	923 hours
Chipper Service	2041 hours
Leaf Collection	2313 hours
Clean Downtown Sidewalks	222 hours
Mailbox Repair	32 hours
Christmas lights	1636 hours
Install Bike Racks	16 hours
Tree Lawn Repair	340 hours
Street Dance/Produce Market/Bedford Falls/etc.	46 hours
Repair Square	60 hours

### ***MISCELLANEOUS / SHOP***

Our miscellaneous items include, Sign Department Duties, Vehicle Maintenance Personnel. The Sign Department duties include replacement of signs due to accidents and deterioration, all house sewers, removal of debris from our roadways, graffiti removal, etc.

The Vehicle Maintenance Personnel are responsible for the maintenance and repair of all city owned vehicles.

The hours also include many projects completed for other departments with public works employees.

#### **MISCELLANEOUS / SHOP MAN HOURS 2010**

Equipment Repair	5244 hours
Body Shop	1147 hours
Sign Department/carpentry	856 hours
Compost Facility	864 hours
Assist Water Dept.	474 hours
Haul Debris from Service Yard	182 hours
Shop Repairs/Cleaning	2606 hours
Equipment Cleaning	456 hours
Assist Recreation	307 hours
Work at City Hall	120 hours
Storm Clean up	40 hours
Misc. Work Orders	1453 hours
Asst Waste Water	24 hours
Prep for Parades	32 hours
Traffic Control	40 hours
Haul Snow	276 hours
Assist Building/Court Dept.	76 hours
Assist Police Dept.	34 hours
Safety Training	100 hours
Assist Fire Dept	19 hours

## **Water Department**

In 2010 City of Bedford water Department had no violations. We maintained our sampling required by the EPA. The water department will continue its normal sampling throughout the city in 2011.

During the 2010 year the water department had 39 main breaks. A repair sleeve was used 18 times, sections of the pipe was cut out 9 times. Main line valves and hydrants valves made up 10 breaks, with cutting out two 4" hydrants valves and replaced with new. The remaining we replaced the bonnet bolts, packing and packing bolts with new. The water department also dug up 18 curb boxes to gain access to the shut off at the curb.

Also throughout the year we replaced a total of 13 fire hydrants. In 2010 the water department flushed half of the hydrants in the city, flushing 404 out of 789. Underground Utility Company was contracted to sound the entire water system for leaks. All leaks were repaired and we plan on doing this every year.

Frank Dulik is continuing his hours of continued education required by the OEPA to hold his licenses. Frank holds a water distribution class 2, and certificate for backflow. Frank oversees the city backflow program. Our laborers, Ed Barth, John Sokolowski, and Frank Graci are working at locating valves through out the system. The city has 1095 valves to maintain and map out. It will be an ongoing project which will make us more effective at our job. Our department will continue to work hard and take the tough circumstances that we work with and improve and learn for the future.

The water dept. consists of many various jobs. Each day they perform several different jobs that consist of the following:

### **WATER DEPARTMENT MAN HOURS 2010**

Inventory	4 hours
Flow Test	25 hours
Main Breaks	312 hours
Meter Cards/Hydrant Cards	50 hours
Repair Tree Lawns	72 hours
Locate Curb Boxes & Water Lines	350 hours
Final Readings	150 hours
Service line/Curb box Repair	300 hours
Water turn off	710 hours
Read Monthly Accounts	768 hours
Check Readings/Check for Leaks	500 hours
Special Purpose Bacterial Sample	40 hours
Install 1", 1 1/2", & 2" Meters	40 hours
Monthly Report to EPA	48 hours
Chlorine Sample	183 hours

Flow Tests & Meter Repair	80 hours
Install/Repair Remote Meters	160 hours
Repair/Rebuild Hydrants	280 hours
Consumer Confidence Report	18 hours
Time with Contractors	200 hours
Backflow Notification & Inspection	900 hours
Miscellaneous	400 hours
Continuing Education	150 hours

Miscellaneous hours consist of paperwork, box and bag old meters, pick up parts, chain bypasses, clean trucks, clean office, deliver rust remover, rusty water calls, flushing hydrants, and responding to customer complaints regarding smell, color and taste of the water.

In conclusion the Water Department will continue the maintenance of equipment, which includes cleaning trucks, offices, and tools. Working with various contractors, engineering firms, assisting with new projects, and providing the best service and drinking water to the residents of Bedford.

**CEMETERY REPORT 2010**

MONTHLY TOTALS

January	1,630.00	July	1,335.00
February	975.00	August	1,705.00
March	2,800.00	September	2,255.00
April	4,560.00	October	3,050.00
May	2,560.00	November	5,005.00
June	3,215.00	December	3,775.00

TOTAL \$32,865.00

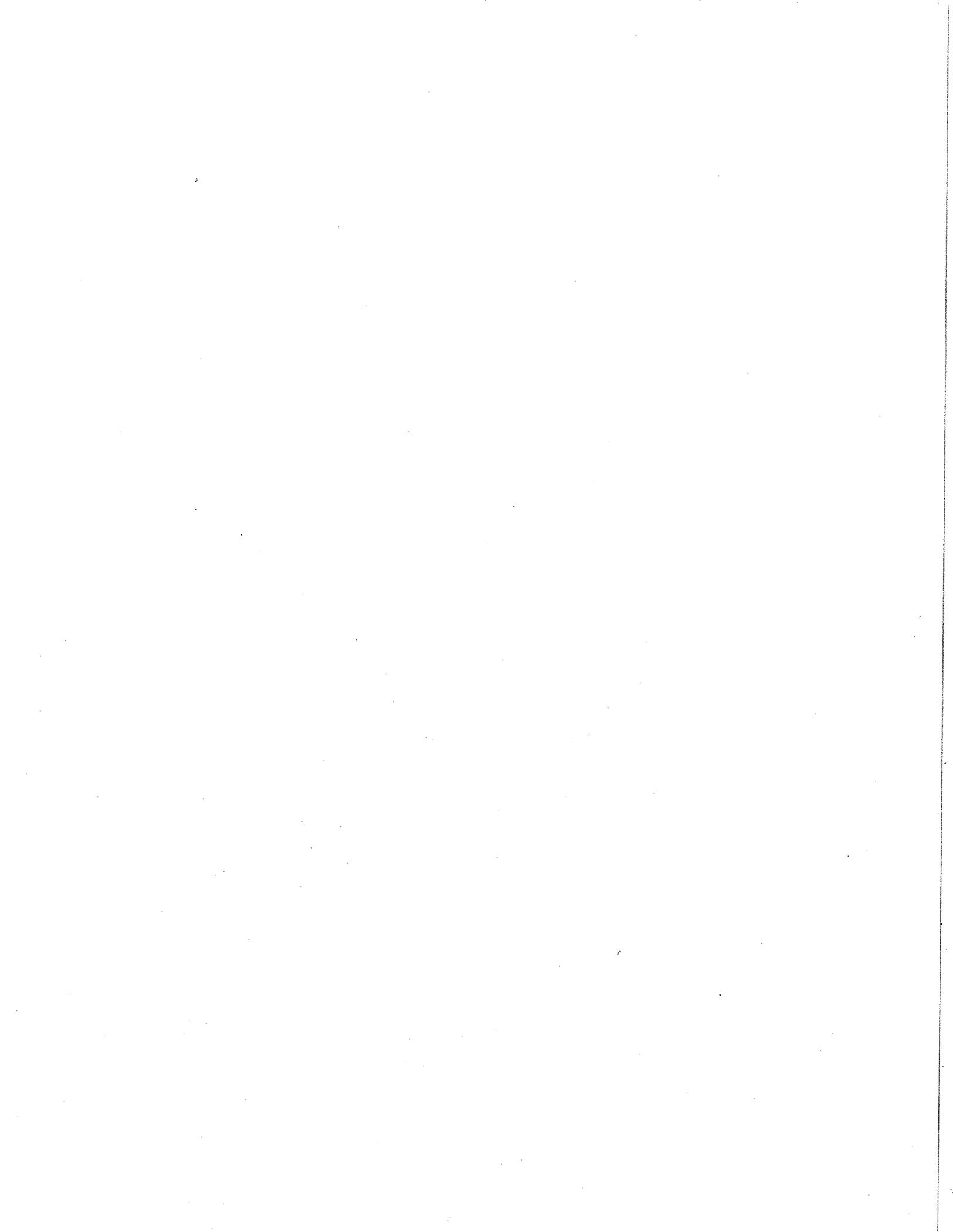
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Sale of Lots/Adults	10,675.00
Sale of Lots/Infants	
Opening/Closing-Adults	13,275.00
Opening/closing-Infants	
Cremations	1,700.00
Memorial Foundations	3,175.00
Tents	1,500.00
Miscellaneous	2,540.00

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Number of Burials	37
Cremations	9
Foundations	23
Sale of Lots	20

Cemetery Man Hours      3691 regular hours      66 hours overtime



## **Wastewater Treatment Plant Annual Report, 2010**

Jason M. Milani, Plant Supt.

### **Plant Flow:**

During the year of 2010 the Bedford Wastewater Treatment Plant treated a total flow of 868,448,000 gallons. Average daily flow for 2010 was 2.379 million gallons. This was a decrease from 2009 (0.028 MGD/day or 28,000 gallons per day). Part of this decrease can be attributed to less precipitation for the year which was down by an average of 0.10" per month from 2009.

### **Flow Control/ Equalization basin:**



**Plant Equalization basin**



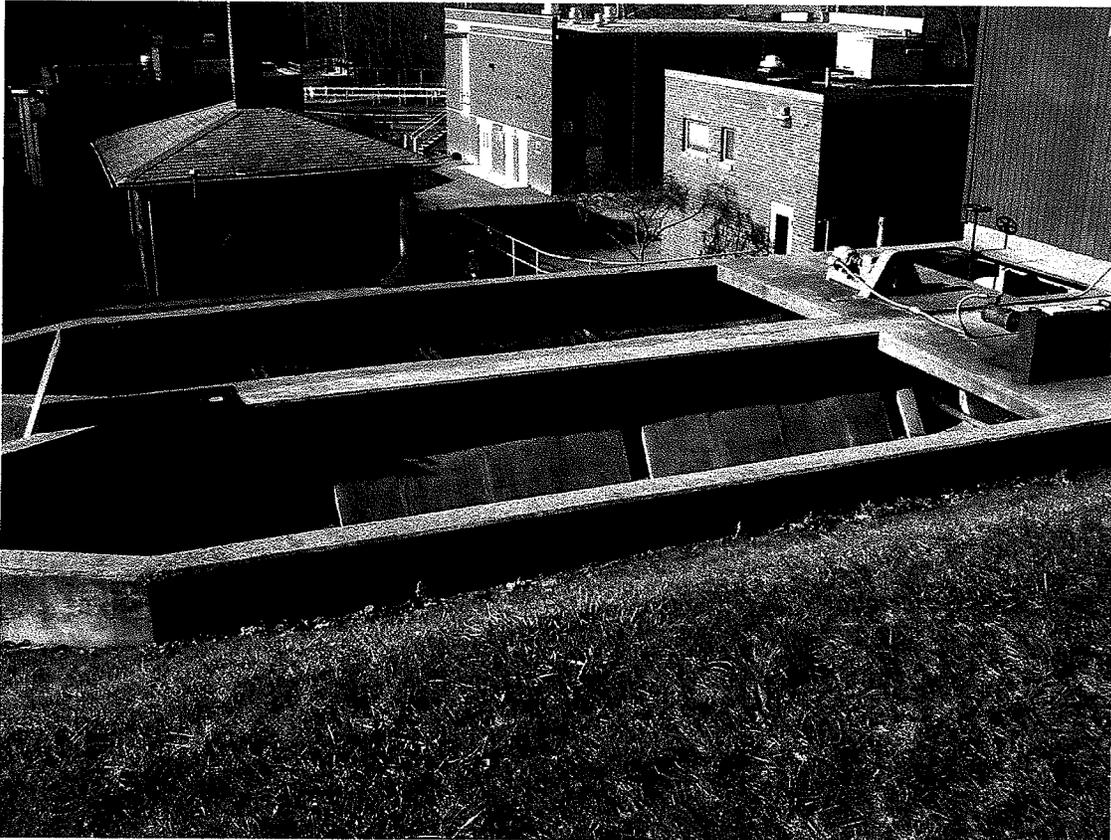
**Flow control building and main trunk line**

The plant flow is controlled by a sluice gate prior to the equalization basin. The sluice gate receives a 4-20 milliamp signal from the plant flow meter and opens or shuts accordingly to maintain flow at a rate which is optimal for desired plant performance. When the gate closes, flow is diverted into the equalization basin. This wastewater is then pumped back into the plant when influent flows decrease. (usually during the nighttime). This is accomplished manually at operator discretion. When the equalization

basin is emptied, the entire floor must be cleaned using fire hoses to move the residual sludge to the pump hopper chamber where it can be pumped back into the plant for further treatment. When it is not convenient or practical to pump the sludge into the plant, one foot of wastewater is left in the tank to mask odors emanating from the residual sludge.

When the capacity of the equalization basin is exceeded (2.1 million gallons), It overflows into the plant outfall where it is merged with the final effluent. In 2010, with the issuance of a new discharge permit, any equalization basin overflow is now counted as a separate sample point and not considered in the final effluent samples.

### **Preliminary Treatment:**



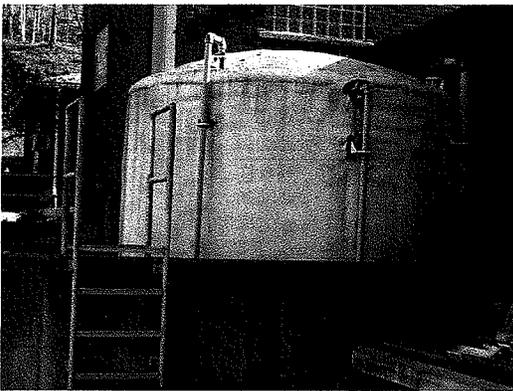
### **Grit Chambers**

As wastewater flows into the headworks of the plant it is divided into two channels. Each channel is equipped with a coarse bar screen that filters out large objects. The

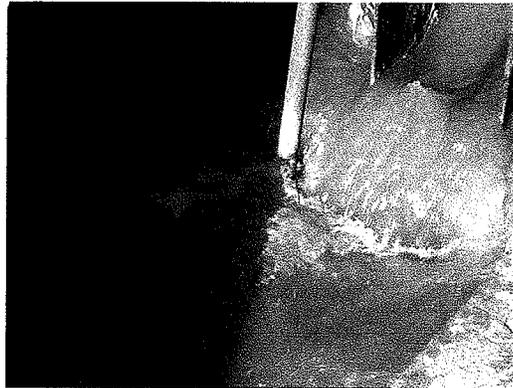
comminutors are located directly after the bar screens. These devices shred the finer debris that make it through the bar screens. One comminutor is not operational at this time and the other is a newer unit, which has been trouble free since it's purchase and installation three years ago.

The wastewater then flows into two grit removal channels where the velocity of the sewage is maintained at a rate where the inorganic particles (grit) are settled out. Grit is removed because it's abrasive nature can damage pumps and other plant equipment. The accumulated grit is then drained into the grit storage bed. This is disposed of in a roll off box supplied by Republic Services. and taken to a sanitary landfill.

### **Ferric Chloride:**



**Ferric Chloride Storage Tank**



**Ferric Chloride addition to influent**

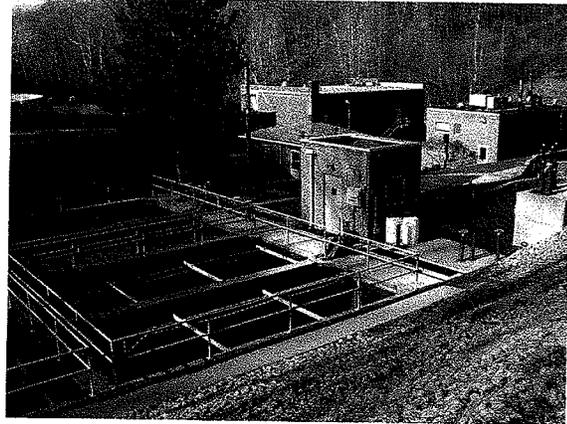
Ferric chloride is added to the plant influent at a point where the grit channels merge. This chemical precipitates suspended solids along with phosphorus. Ferric Chloride is the catalyst for phosphorus removal. The plant would not be able to remove the majority of the phosphorus without this addition. In 2003 plant personnel purchased and installed a new chemical pump to feed Ferric Chloride. This pump is flow proportional and receives a 4-20 milliamp signal from the influent flow meter. The accuracy of this pump along with the proportionate rate in which it runs has contributed to a decline in the amount of Ferric Chloride used, essentially paying for the pump. An identical pump was also purchased as a backup. Since the initiation of both new oxidation towers to the plant process a further reduction in Ferric Chloride use has been realized. In the past few years

there has been a substantial price increase for Ferric Chloride and unfortunately these increases remains in effect for 2010, although less expensive than the year 2009.

In 2009, with the issuance of a new discharge permit, the final effluent limitation for total phosphorus is now 0.7 mg/l, a decrease from the 1.0mg/l previous limit. This new, more stringent limitation means additional ferric chloride use is inevitable.

## **Primary Treatment**

### ***Primary Settling:***



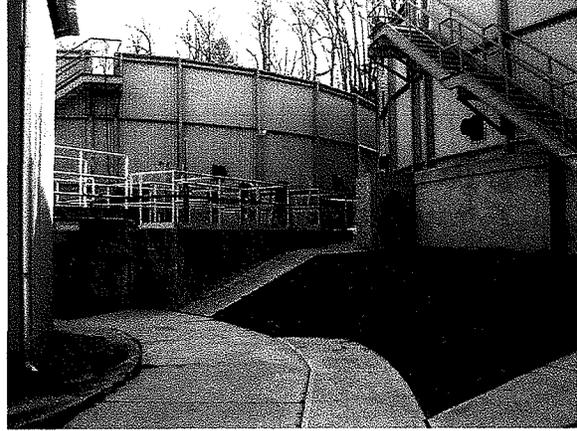
**Primary settling tanks**

Primary settling consists of six tanks with a total capacity of 327,000 gallons.

Wastewater flows slowly through these tanks, while the solid matter is settled out and the floating matter is collected and skimmed off for removal. The solid matter (sludge) is collected in hoppers on the floor of the tanks through the means of a collector/skimmer system. The sludge is then drawn off these tanks and flows to the sludge thickener. The remaining wastewater then continues into the secondary treatment process. A majority of the suspended solid matter in the wastewater is removed during this process. In 2010 two tanks were taken out of service during periods of low flows due to the fact that longer retention times result in a decline in dissolved oxygen resulting in anaerobic conditions which are detrimental to the primary treatment process.



**West Oxidation Tower**



**Primary effluent pumps**



**East Oxidation Tower**

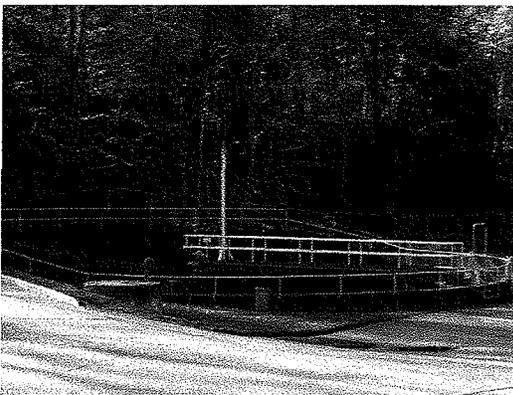
**Secondary Treatment**  
**Oxidation Tower(s):**

2005 was the first full year of operation for the newly constructed oxidation towers. After becoming established with the proper colonies and population of nitrifiers and

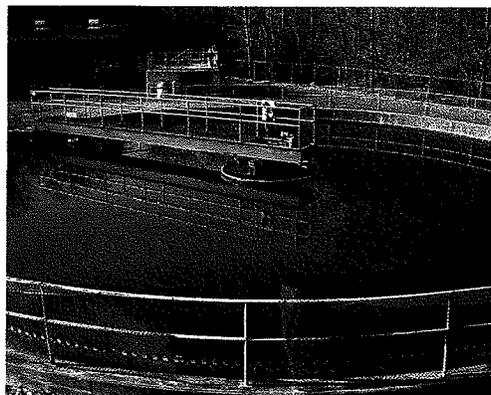
aerobic bacteria the towers perform as expected, especially in the area of ammonia nitrogen removal. This is due to the increased surface area of the two towers for establishing colonies of bacteria. Also, pumping capacity and recirculation rates have increased with the new design. This is a positive point since plant flows are increasing with each passing year, partly due to the fact of increased water usage at Ben Venue laboratories. Increased recirculation rates are a benefit as they allow more wastewater to be treated in times of increased plant flow. Secondary treatment capacity with the old system was approximately 3.5 MGD. Currently it stands at approximately 5.0 MGD. The result is less diversion of wastewater to the plant equalization basin which sometimes result in overflows. The oxidation towers continued to perform well for the year 2010 with NH<sub>3</sub> ammonia and C.B.O.D. levels far below effluent limitations. There have, although been serious issues with the primary effluent pumps that feed the filters. Two of the three had to be rebuilt in 2010.

*Final Clarifiers:*

During this second stage of secondary treatment wastewater flows from the oxidation tower to the two final clarifiers where remaining suspended solids are settled and collected on the bottom of these tanks and then pumped to primary treatment for further processing.



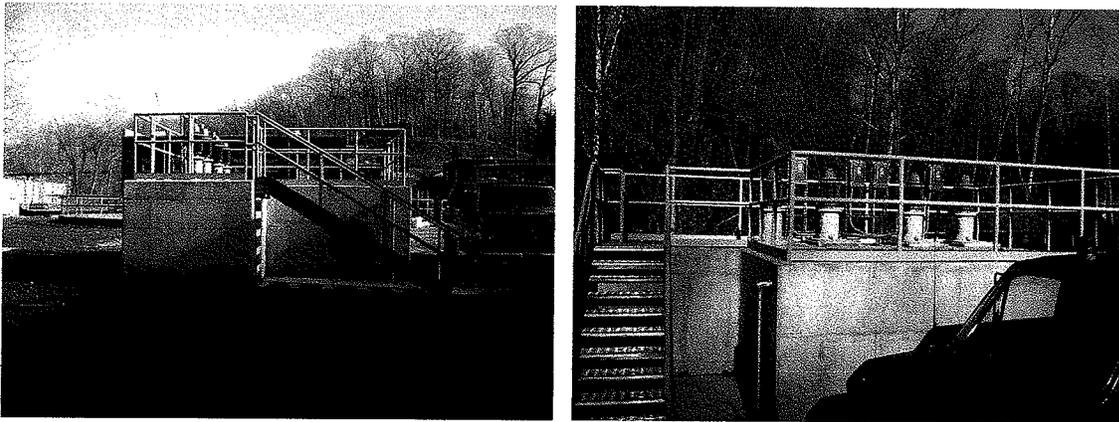
**Old Final Clarifier (installed in 1974)**



**New Final Clarifier (installed in 1990)**

### Pump Station:

The pump station receives flow from the final clarifiers. This station is equipped with four Fairbanks-Morse vertical turbine pumps that pump the wastewater to the rapid sand filter. A level sensor that senses the level in the pump station and operates the pumps according to the flow rate entering the station controls the pumps. Any flow in excess of the capacity of the pumps is bypassed directly into the chlorine contact tanks. In 2010 there have been issues with the electrical starters for these pumps which will be resolved in 2011. Also, leaves from the final clarifiers continue to be an issue, hindering pump performance.



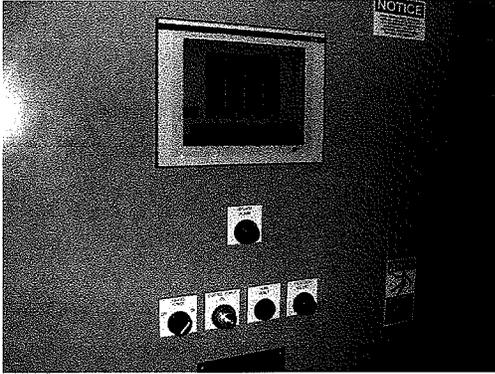
### Sand Filter Pump Station

#### **Tertiary Treatment**

##### Rapid Sand filters:

The Rapid Sand Filters were installed during 2002-2003 and were put into full operation in May, 2003. This process was part of a much-needed update to plant operations. Effluent quality has improved especially with the completion of the oxidation towers. The sand filters consist of four filter beds with 10 inches of sand media, underdrain system, clearwell and clearwell pumps for backwash purposes, mudwell and mudwell

pumps to transfer backwash wastewater to the headworks of the plant, a chemical clean system, and fully automated controls for pumps, blowers valves and all other associated equipment.



**Sand Filter Control Panel**



**Sand Filter influent entering one cell**



**Sand Filter Building showing influent piping from lift station**

A new touch screen control panel for the sand filter system was installed in 2010 due to the failure of the original one.



**Sand filter influent showing screens, purchased for filtering debris, especially leaves which are a problem in autumn.**

The result of the sand filter installation is a definite improvement in effluent quality. Supporting data collected over the last year indicates a suspended solids removal efficiency of over 60% through the sand filters alone in 2010. This data was acquired in house using sample analysis of the influent flow to the sand filter versus the plant effluent flow. This data is enclosed in this report.

## **Disinfection**

### Chlorine Addition:

Chlorine gas was for disinfection at the wastewater treatment plant in 2010. In the past, chlorine was added to the flow stream following the tertiary treatment process. It was then allowed to act upon the wastewater in the chlorine contact tanks which are designed specifically for that purpose. The longer the contact time, the better the disinfection performance. After the construction of the rapid sand filter process it was necessary to change the feed point of chlorine into the pump station to prevent biological growth buildup in the sand filters. The added benefit is that there is a longer contact time for the chlorine to act upon the micro-organisms in the wastewater stream, since chlorine must travel through the sand filter feed pumps, through the filter beds, into the clearwell and then through the contact tanks. The only *drawback* is that any Nitrifying bacteria that would have become established in the sand bed without chlorine addition are no longer present. But the positive aspects of this setup far outweigh the negatives. Chlorine gas has also been fed during the winter months (when not required by EPA for disinfection) in order to keep the sand filters operating efficiently. After some experimentation in 2010 it was discovered that a constant feed was not required and single, infrequent large doses of granular chlorine were just as efficient in maintaining proper operation, saving on chemical costs. A new UV light system for disinfection, replacing the chlorine gas is planned for 2011. This will remove the hazard of dealing with gaseous chlorine.

### Dechlorination:

A longer contact time for the chlorine results in more depletion and a lower chlorine residual in the final effluent where the dechlorination system must neutralize the chlorine for discharge into Wood Creek. So less dechlorination agent (Sodium Bisulfite) is used for this purpose than in the past. The pumps that control the feed rates are flow-proportional, receiving a signal from the plant influent flow meter.

### Defoamer

A silicone based, food grade defoamer is fed to the plant effluent to reduce the foaming characteristics inherent in the effluent wastewater. The feed pump is controlled by a signal from the influent flow meter and is flow-proportional as well. The foaming problem was researched some years ago and the outside laboratories that performed testing for us were at a loss to explain the origin. Actually the plant effluent develops *more* foam the cleaner it gets and has always been a sign of a clean effluent.

More research has concluded that *surfactants* contribute to this foaming issue. Surfactants are found in soaps and detergents and are extremely difficult to remove in this type of treatment process.



**Wastewater Treatment Plant Effluent showing Sodium Bisulfite addition  
(dechlorination agent)**



Wastewater Treatment Plant Effluent entering Wood Creek



Wastewater treatment plant effluent

## **Sludge Processing**

### Sludge Thickener:

Raw sludge that is drawn off the primary clarifiers flows into the sludge thickener. The purpose of this process is to thicken the sludge as much as possible for pumping into the primary digester. The denser the sludge is the more efficiently the sludge processing system works. Sludge is inherently more dense during the colder months so less sludge is processed during that time of year, on average. The remaining wastewater overflows from the sludge thickener to the influent of the oxidation tower for further treatment. Sludge is pumped from the thickener periodically according to the level of the sludge blanket, which is checked daily. A plunger pump on an automatic timer is used for this purpose. The thickened sludge is pumped directly into the primary anaerobic digester via the digester recirculation pump.

During 2010 a constant influent flow was maintained into the sludge thickener which helped in maintaining an even sludge blanket.

### Anaerobic Digesters:

There are two anaerobic digesters at the plant, a 60 foot diameter primary unit that is heated and recirculated continuously and a 40 foot diameter secondary unit that is basically a holding tank. Thickened sludge is pumped into the primary digester at periodic intervals based on current solids loadings and mixes with the primary digested sludge. This primary digester is kept at a temperature range of 90 – 97 degrees fahrenheit for optimal proliferation of anaerobic bacteria. At this temperature range the bacteria break down the organic matter in the raw thickened sludge and produce methane gas. This methane gas is used to heat the digester boiler/heat exchanger unit which, in turn, heats the sludge passing through it as it is recirculated. If the sludge is not kept in the correct temperature range, methane will not be produced in enough quantity to heat the boiler that keeps the sludge at the desired temperature. Each system is therefore, dependent on the other. This boiler is now 50 years old and will soon need replacement. If the boiler fails and the sludge temperatures deviate from the desired range, volatile

reduction will not occur and limitations will not be met. Currently the limitations for volatile reduction are set at 38% or greater. With the digesters operating more efficiently since they were cleaned in 2001 the volatile reduction averaged 61.48% in 2003. Volatile reduction for the year 2004 remained efficient at 56.97%. Volatile reduction in 2005 was 54.51%. Volatile reduction for 2007 was 57.18%. In 2008 that figure was 60.56% and in 2009, 59.37%. For the year 2010 the Volatile reduction was 58.50%. Greater volatile reduction results in more volatile matter destroyed. The destroyed volatile matter is converted into H<sub>2</sub>O and can be removed from the secondary digester in the daily process of drawing off supernatant. Supernatant is the liquid above the sludge blanket left over as the sludge is allowed to settle in the secondary digester. Better volatile reduction results in better settling in the digester and thus, less sludge production, since the sludge is denser. 250.40 dry tons of sludge were removed from the plant in 2010. This compares with 242.73 dry tons of sludge removed in 2009. Compare this to over 300 tons per year prior to the digester cleaning.

Also in 2010, enzymes continued to be added to the primary digester by plant personnel. These enzymes aid in the biological process and contribute in the volatile reduction process.



**Secondary Anaerobic Digester**

### Belt Press:

The Belt press receives digested sludge from the secondary digester via a progressing cavity type pump that can handle high solids loads. Typical solids content of the feed sludge to the belt press averages 2 – 3%. The sludge is mixed with a cationic polymer that separates the solids from the water and is agitated in a fine-screened drum to remove some of the liquid content. It then flows onto a porous belt and squeezed between two belts which travel between a system of variously sized rollers where additional liquid is removed until the sludge falls into an auger and is moved into a hopper and falls into a dump truck parked in the garage below. Total solids content of the sludge at this final stage averaged 24.7% in 2010 a 0.1% increase from 2009. A total of 121 loads were removed in 2010 compared to 112 in 2009.

Total volatile content averaged 44.67% as opposed to 66.05% in the sludge prior to digestion.

### **Laboratory:**

Various pollutants are analyzed in the plant laboratory according to the NPDES permit. These include Water temp., C.B.O.D., Suspended solids, Total phosphorus, NH<sub>3</sub> ammonia, Total Kjeldahl Nitrogen, Oil and Grease, Nitrate + Nitrite, Total chlorine residual, Dissolved oxygen content, Fecal coliform, and pH in the final effluent. Total phosphorus, NH<sub>3</sub> ammonia, C.B.O.D., Suspended solids, and water temp. in the raw wastewater. Stream sample analysis of the upstream and downstream of the plant effluent include Water Temp., Fecal coliform, NH<sub>3</sub> ammonia, C.B.O.D., pH, Dissolved oxygen content and Suspended solids content. Sludge analysis consists of Total phosphorus, NH<sub>3</sub> ammonia and Total Kjeldahl nitrogen. An outside laboratory is used to determine heavy metal content in the sludge and final effluent, as we are not equipped to do so.

In 2009 process control analysis were performed at regular intervals to determine the efficiency and removals in each treatment process. This data is included also.

**Maintenance:**

During 2010 plant personnel replaced or repaired equipment in the following areas:

- Replaced various motors.
- Rebuilt various pumps.
- Painted interiors of lift stations and buildings at the plant.
- Painted outdoor equipment at the plant.
- Replaced #3 pump at Taylor Road station with a rebuilt pump.
- 2 primary effluent pumps were rebuilt and installed.
- Completed 12 months of operating reports and submitted to Ohio EPA.
- Completed State and federal sludge disposal reports and submitted.
- Grit, screenings and grease were collected and disposed of off site.
- Continued to remove and unplug lift station pumps at heather road lift station. These pumps often clog and are repaired on an average of once per week. Some sort of retrofit is desperately needed here.

**Mercury:** Effluent low-level mercury analysis has been performed by an accredited and EPA approved laboratory for the past few years and the results are encouraging enough to believe that the 11.0 ng/l limitation is attainable.

We also sample randomly including lift station and plant influent as well as stream samples from various locations.

Ng/l = nanograms per liter which is equivalent to parts per *trillion*.

The city has received a variance of 11.0 ng/l and is currently meeting limitations.

One interesting note – Mercury analysis performed on precipitation gathered at the plant were often above effluent limitations.

**The following are data from 2010 and also plant performance for the prior decade for comparison.**

	# loads	tons	(9066) metric tons	% solids	% vol. Solids	thick % vol. Solids	% vol. Reduction	MCRT			TS max	TS min	VS max	VS min	
Jan	8	15.27	13.84	23.7	44.57	69.31	64.40	52.2			24.8	22.6	47.91	42.46	
Feb	7	13.4	12.15	22.8	46.72	68.48	59.64	49.8			24.3	21.5	48.35	44.09	
March	11	21.52	19.51	22.9	43.64	63.76	55.99	46.7			23.7	21.2	46.27	41.82	
April	16	30.6	27.74	22.5	46.32	64.92	53.37	40.1			24.9	19.3	51.77	42.01	
May	13	26.54	24.06	24	45.13	63.85	53.43	40.7			25.8	23.1	49.43	41.29	
June	13	26.93	24.41	24.6	44.5	64.78	56.41	46.2			26.6	21.6	48.57	40.2	
July	9	20.06	18.19	27	43.83	63.21	54.58	44.8			29.7	23.9	48.19	40.1	
Aug	9	20.8	18.86	27	42.14	64.25	59.48	45.1			27.8	26	44.46	40.48	
Sept	9	20.75	18.81	27.1	43.09	66.52	61.89	44.1			28.2	25.8	47.03	40.63	
Oct	8	17.72	16.06	26	43.74	67.17	62.00	44.2			26.7	25	48.74	41.37	
Nov	9	18.51	16.78	24.5	47.23	66.52	54.95	44.3			27	24.3	48.35	40.55	
Dec	9	18.3	16.59	24.1	45.12	69.83	64.48	57.1			26.9	20.6	48.57	41.65	
Total	121	250.4	227.01								Max	29.7	26	51.77	44.09
Avg	10.1	20.87	18.92	24.7	44.67	66.05	58.50	45.9			Min	23.7	19.3	44.46	40.1
	<u>Days</u>	<u>Loads</u>	<u>M Tons</u>												
1st Q	90	26	45.50												
2nd Q	91	42	76.22												
3rd Q	92	27	55.86												
4th Q	92	26	49.44												

Sludge 2010

2009											
	Raw	Primary Removal	Tower In	Tower Removal	Final Tank In	Final Tank Removal	SF In	SF Removal	Final	R-F Removal	
SS	190.30	74.96%	47.14	32.89%	31.64	64.07%	15.20	60.04%	5.67	96.83%	
% of total				8.24%		10.77%		3.63%			
CBOD	147.32	64.45%	52.37	80.04%	10.45	45.85%	5.66	4.48%	4.82	96.73%	
% of total				28.45%		3.25%		0.17%			
Phos	4.68	56.88%	2.06	24.40%	1.52	46.20%	0.82	26.60%	0.65	85.52%	
% of total				10.52%		15.06%		4.67%			
NH3	13.31	-5.26%	14.01	97.27%	0.38	-6.79%	0.41	47.29%	0.22	98.38%	
% of total				102.39%		-0.20%		1.45%			
NO3/NO2			1.075		17.81		17.88		18.54		
D.O.			7.7		9.2		8.8		8.6		
pH	7.7		7.3		7.6		7.4		7.2		
2010											
	Raw	Primary Removal	Tower In	Tower Removal	Final Tank In	Final Tank Removal	SF In	SF Removal	Final	R-F Removal	
SS	173.64	68.26%	55.12	32.32%	37.31	67.78%	12.02	52.17%	5.75	96.69%	
% of total				10.26%		14.56%		3.61%			
CBOD	133.92	63.93%	48.31	80.43%	9.46	51.43%	4.59	4.33%	4.39	96.72%	
% of total				29.01%		3.63%		0.15%			
Phos	4.64	53.10%	2.18	28.83%	1.55	57.17%	0.66	23.94%	0.50	89.12%	
% of total				13.52%		19.08%		3.42%			
NH3	15.43	12.16%	13.56	97.34%	0.36	24.41%	0.27	40.88%	0.16	98.95%	
% of total				85.50%		0.57%		0.72%			
NO3/NO2			2.323		15.93		17.24		17.21		
D.O.			7.82		9.75		9.36		9.22		
pH	7.8		7.4		7.6		7.6		7.0		

Current/Yearly PO4 Data

PO4	Raw	Primary Removal	Tower In	Tower Removal	Tower Out	Final Removal	SF In	SF Removal	Final	R-F Removal
Jan	3.54	37.87%	2.201	27.66%	1.592	40.85%	0.942	25.45%	0.702	80.18%
Feb	4.09	46.58%	2.185	11.56%	1.933	46.12%	1.041	28.97%	0.740	81.92%
Mar	2.93	36.43%	1.862	-3.09%	1.919	47.70%	1.004	36.07%	0.642	78.09%
Apr	4.60	17.84%	3.781	21.95%	2.951	72.49%	0.812	27.62%	0.588	87.23%
May	5.90	64.62%	2.088	18.87%	1.694	62.79%	0.630	21.55%	0.495	91.62%
Jun	3.92	52.39%	1.867	38.81%	1.142	62.68%	0.426	-9.25%	0.466	88.12%
Jul	5.54	54.54%	2.518	44.62%	1.394	59.00%	0.572	27.48%	0.415	92.51%
Aug	5.26	64.92%	1.845	40.52%	1.097	58.73%	0.453	17.30%	0.375	92.88%
Sep	6.05	67.47%	1.969	36.65%	1.248	58.38%	0.519	20.22%	0.414	93.16%
Oct	5.03	61.36%	1.943	37.75%	1.210	60.18%	0.482	18.51%	0.393	92.20%
Nov	4.62	57.47%	1.965	26.22%	1.450	61.46%	0.559	19.99%	0.447	90.32%
Dec	4.19	54.88%	1.893	49.36%	0.958	45.47%	0.523	26.89%	0.382	90.89%
Avg	4.64	53.10%	2.18	28.83%	1.55	57.17%	0.66	23.94%	0.50	89.12%
% of total		53.10%		13.52%		19.08%		3.42%		89.12%
	Raw	Primary Removal	Tower In	Tower Removal	Tower Out	Final Removal	SF In	SF Removal	Final	R-F Removal
1995	4.16								0.463	88.86%
1996	2.49								0.295	88.15%
1997	3.50								0.311	91.12%
1998	4.29								0.346	91.94%
1999	5.69								0.473	91.69%
2000	5.00								0.572	88.55%
2001	4.74								0.655	86.17%
2002	4.83								0.663	86.29%
2003	4.24								0.581	86.30%
2004	3.88								0.520	86.60%
2005	4.39								0.645	85.31%
2006	4.66								0.613	86.85%
2007	4.67								0.656	85.96%
2008	4.16								0.717	82.78%
2009	4.68	55.89%	2.06	26.10%	1.52	46.18%	0.82	20.31%	0.65	86.02%
2010	4.64	53.10%	2.18	28.83%	1.55	57.17%	0.66	23.94%	0.50	89.12%
Avg	4.38	54.50%	2.12	27.50%	1.54	51.72%	0.74	21.93%	0.542	87.62%
% of total		54.50%		12.51%		17.06%		3.49%		87.56%

Currnt/Yearly SS Data

SS	Raw	Primary Removal	Tower In	Tower Removal	Tower Out	Final Tank Removal	SF In	SF Removal	Final	R-F Removal
Jan	131.67	57.41%	56.08	28.68%	40	61.67%	15.33	48.37%	7.917	93.99%
Feb	160.67	65.15%	56	17.86%	46	64.86%	16.2	45.36%	8.833	94.50%
Mar	94.67	46.30%	50.83	1.64%	50	67.67%	16.2	41.75%	9.417	90.05%
Apr	154.67	41.16%	91.00	13.92%	78.33	78.51%	16.8	49.01%	8.583	94.45%
May	192.00	73.44%	51.00	11.76%	45.00	77.04%	10.33	53.23%	4.833	97.48%
Jun	153.67	63.77%	55.67	47.90%	29.00	64.94%	10.17	62.30%	3.833	97.51%
Jul	210.67	73.66%	55.5	45.95%	30.00	69.72%	9.083	53.21%	4.250	97.98%
Aug	195.33	75.26%	48.33	46.21%	26.00	69.87%	7.833	60.64%	3.083	98.42%
Sep	238.67	79.75%	48.33	49.66%	24.33	65.41%	8.4	50.50%	4.167	98.25%
Oct	195.33	75.60%	47.67	51.22%	23.25	61.29%	9.00	56.48%	3.917	97.99%
Nov	187.67	71.40%	53.67	45.96%	29.00	53.74%	13.42	54.66%	6.083	96.76%
Dec	168.67	71.94%	47.33	43.49%	26.75	57.01%	11.50	64.49%	4.083	97.58%
Avg	173.64	68.26%	55.12	32.32%	37.31	67.78%	12.02	52.17%	5.75	96.69%
% of total		68.26%		10.26%		14.56%		3.61%		96.69%
	Raw	Primary Removal	Tower In	Tower Removal	Tower Out	Final Tank Removal	SF In	SF Removal	Final	R-F Removal
1995	265.98								9.64	96.38%
1996	267.07								10.59	96.04%
1997	217.66								8.54	96.08%
1998	221.98								7.81	96.48%
1999	211.93								8.06	96.20%
2000	193.15								9.22	95.23%
2001	162.78								9.95	93.89%
2002	167.74								10.32	93.85%
2003	168.16								7.89	95.31%
2004	173.29								8.76	94.94%
2005	168.39						12.6	48.57%	6.48	96.15%
2006	166.17						13.4	66.94%	4.43	97.33%
2007	165.14						12.9	60.53%	5.09	96.92%
2008	165.56						13.6	64.46%	4.83	97.08%
2009	190.30	75.23%	47.14	32.89%	31.64	51.95%	15.20	62.72%	5.67	97.02%
2010	173.64	68.26%	55.12	32.32%	37.31	67.78%	12.02	52.17%	5.75	96.69%
Avg	192.43	71.90%	51.13	32.58%	34.47	60.51%	13.29	59.54%	7.69	96.00%
% of total		71.90%		9.15%		11.46%		4.45%		96.97%

Current/Yearly NH3 Data

NH3	Raw	Primary Removal	Tower In	Tower Removal	Tower Out	Final Removal	SF In	SF Removal	Final	R-F Removal
Jan	14.51	8.03%	13.35	91.81%	1.093	16.73%	0.910	36.91%	0.574	96.04%
Feb	14.85	5.76%	13.99	97.87%	0.298	18.31%	0.244	45.60%	0.133	99.11%
Mar	8.60	-6.23%	9.13	98.88%	0.103	-21.38%	0.124	27.13%	0.091	98.95%
Apr	16.32	2.12%	15.98	95.52%	0.716	69.01%	0.222	22.70%	0.171	98.95%
May	11.44	7.87%	10.54	99.13%	0.09	-28.77%	0.12	51.91%	0.057	99.51%
Jun	10.88	3.62%	10.48	95.46%	0.476	34.52%	0.312	48.11%	0.162	98.51%
Jul	15.58	16.78%	12.96	98.54%	0.190	30.23%	0.132	40.30%	0.079	99.49%
Aug	21.01	9.36%	19.04	98.14%	0.354	51.71%	0.171	16.19%	0.143	99.32%
Sep	22.17	28.93%	15.75	99.52%	0.076	-104.26%	0.156	71.96%	0.044	99.80%
Oct	18.73	19.82%	15.02	99.19%	0.122	40.44%	0.073	12.39%	0.064	99.66%
Nov	16.08	16.54%	13.42	99.25%	0.101	-72.55%	0.173	42.82%	0.099	99.38%
Dec	15.04	13.45%	13.02	94.50%	0.715	10.23%	0.642	49.99%	0.321	97.86%
Avg	15.43	12.16%	13.56	97.34%	0.36	24.41%	0.27	40.88%	0.16	98.95%
% of total		12.16%		85.50%		0.57%		0.72%		98.95%
	Raw	Primary Removal	Tower In	Tower Removal	Tower Out	Final Removal	SF In	SF Removal	Final	R-F Removal
1995	14.87								1.165	92.16%
1996	10.95								1.161	89.39%
1997	12.80								0.996	92.22%
1998	14.84								0.827	94.42%
1999	17.85								0.878	95.08%
2000	13.09								0.766	94.15%
2001	15.62								0.737	95.28%
2002	13.25								0.784	94.09%
2003	10.92								1.296	88.13%
2004	11.61								5.224	55.00%
2005	11.30								0.798	92.94%
2006	14.04								0.249	98.23%
2007	11.18								0.219	98.04%
2008	13.66								0.190	98.61%
2009	13.31	-5.26%	14.01	97.27%	0.38	-6.79%	0.41	47.29%	0.22	98.38%
2010	15.43	12.16%	13.56	97.34%	0.36	24.41%	0.27	40.88%	0.16	98.95%
Avg	13.42	4.09%	13.78	97.30%	0.37	8.36%	0.34	44.72%	0.979	92.70%
% of total		4.09%		93.32%		0.22%		1.06%		98.69%

Current/Yearly CBOD Data

CBOD	Raw	Primary Removal	Tower In	Tower Removal	Tower Out	Final Removal	SF In	SF Removal	Final	R-F Removal
Jan	122.33	58.24%	51.08	76.51%	12	42.36%	6.917	27.71%	5	95.91%
Feb	91.58	48.77%	46.92	82.06%	8.42	45.54%	4.583	9.09%	4.167	95.45%
Mar	73.42	41.77%	42.75	78.17%	9.33	53.57%	4.33	17.31%	3.583	95.12%
Apr	137.50	52.18%	65.75	75.54%	16.1	73.58%	4.25	1.96%	4.167	96.97%
May	217.67	75.73%	52.83	78.39%	11.42	61.31%	4.42	-33.96%	5.917	97.28%
Jun	125.25	67.27%	41.00	80.08%	8.17	33.67%	5.42	24.62%	4.083	96.74%
Jul	153.08	67.12%	50.33	81.79%	9.17	50.00%	4.583	14.55%	3.917	97.44%
Aug	149.83	71.41%	42.83	83.46%	7.08	51.76%	3.417	2.44%	3.333	97.78%
Sep	161.92	70.82%	47.25	85.89%	6.67	60.00%	2.667	-25.00%	3.333	97.94%
Oct	144.44	65.69%	49.56	83.41%	8.222	17.57%	6.778	32.79%	4.556	96.85%
Nov	124.75	63.99%	44.92	79.59%	9.17	56.36%	4	-43.75%	5.750	95.39%
Dec	105.25	57.72%	44.50	82.58%	7.75	51.61%	3.75	-31.11%	4.917	95.33%
Avg	133.92	63.93%	48.31	80.43%	9.46	51.43%	4.59	4.33%	4.39	96.72%
% of total		63.93%		29.01%		3.63%		0.15%		96.72%
	Raw	Primary Removal	Tower In	Tower Removal	Tower Out	Final Removal	SF In	SF Removal	Final	R-F Removal
1995	138.15								6.95	94.97%
1996	138.68								7.98	94.25%
1997	138.94								7.07	94.91%
1998	123.41								6.33	94.87%
1999	119.43								5.99	94.98%
2000	114.41								6.52	94.30%
2001	146.77								7.31	95.02%
2002	146.11								7.49	94.87%
2003	143.73								8.20	94.29%
2004	166.58								11.36	93.18%
2005	151.14								7.61	94.96%
2006	144.15								5.03	96.51%
2007	144.55								4.80	96.68%
2008	141.60								4.61	96.74%
2009	147.32	64.45%	52.37	80.04%	10.45	45.85%	5.66	14.86%	4.82	96.73%
2010	133.92	63.93%	48.31	80.43%	9.46	51.43%	4.59	4.33%	4.39	96.72%
Avg	139.93	64.20%	50.34	80.22%	9.96	48.50%	5.13	10.15%	6.65	95.24%
% of total		64.20%		28.72%		3.43%		0.37%		96.72%

Current/Yearly Flow and Precipitation Data

2011	FLOW	Prec	EQ bp
JAN			
FEB			
MARCH			
APRIL			
MAY			
JUNE			
JULY			
AUG			
SEPT			
OCT			
NOV			
DEC			
TOTAL			
AVG	#DIV/0!	#DIV/0!	
MGD	#DIV/0!		

	Flow (total MGD)	Flow (monthly average)	MGD	Prec. (total in.)	Prec. (monthly average)
1995	870.163	72.514	2.384	41.16	3.43
1996	1040.807	86.734	2.844	52.64	4.39
1997	924.167	77.014	2.532	42.96	3.58
1998	862.318	71.860	2.363	38.84	3.24
1999	850.658	70.888	2.331	42.64	3.55
2000	888.654	74.055	2.428	47.23	3.94
2001	844.290	70.358	2.313	34.71	2.89
2002	913.123	76.094	2.502	41.21	3.43
2003	1024.082	85.340	2.806	50.51	4.21
2004	1054.055	87.838	2.880	45.46	3.79
2005	1017.545	84.795	2.788	45.53	3.79
2006	1008.923	84.077	2.764	51.57	4.30
2007	949.386	79.116	2.601	47.73	3.98
2008	965.501	80.458	2.638	47.28	3.94
2009	878.698	73.225	2.407	41.61	3.47
2010	868.448	72.371	2.379	40.46	3.37
<b>Avg</b>	<b>935.051</b>	<b>77.921</b>	<b>2.560</b>	<b>44.47</b>	<b>3.71</b>

Monthly/Yearly Precipitation 1995-Present (in inches)

Year	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Yearly Total
1995	6.16	1.64	2.11	4.11	3.51	2.68	3.67	4.92	0.99	4.58	4.55	2.24	41.16
1996	3.49	2.7	3.57	6.37	2.85	6.35	3.86	0.84	7.46	5.45	6.24	3.46	52.64
1997	2.47	3.5	3.72	2.89	7.12	4.03	1.02	5.56	5.18	1.88	2.63	2.96	42.96
1998	4.35	1.78	2.83	6.04	2.6	6.53	2.51	4.05	0.82	2.77	2.1	2.46	38.84
1999	3.73	2.4	2.29	4.32	1.78	2.91	7.68	2.47	4.76	3.33	3.86	3.11	42.64
2000	2.68	2.04	1.58	4.95	6.44	5.18	4.87	4.71	4.67	3.62	3.38	3.11	47.23
2001	1.63	1.47	2.42	3.14	3.26	2.11	1.29	4.19	4.08	5.21	3.06	2.85	34.71
2002	2.76	1.74	4.04	4.46	5.9	2.12	3.61	2.34	4.53	1.63	4.87	3.21	41.21
2003	2.13	3.15	2.5	2.96	9.2	3.15	6.86	3.69	6.1	3.62	3.57	3.58	50.51
2004	3.3	0.81	4.47	4.83	7.12	4.43	3.34	2.81	2.76	2.17	4.2	5.22	45.46
2005	6.71	2.46	1.94	6.49	2.29	3.07	5.09	6.55	3.37	3.08	2.66	1.82	45.53
2006	2.38	3.06	1.05	1.9	5.88	6.54	9.09	3.13	4.86	6.42	4.77	2.49	51.57
2007	6.34	2.13	4.42	3.84	1.24	4.15	1.84	7.39	3.08	3.04	5.58	4.68	47.73
2008	3.31	5.94	6.45	1.55	4.47	4.08	3.32	2.22	4.00	3.52	4.66	3.76	47.28
2009	3.13	2.52	3.7	4.07	2.1	3.21	5.13	4.64	3.99	4.29	1.66	3.17	41.61
2010	2.2	2.97	1.8	1.97	5.04	3.9	3.53	3.03	3.99	3.11	6.22	2.7	40.46
2011													
<b>Monthly Average:</b>	<b>3.55</b>	<b>2.52</b>	<b>3.06</b>	<b>3.99</b>	<b>4.43</b>	<b>4.03</b>	<b>4.17</b>	<b>3.91</b>	<b>4.04</b>	<b>3.61</b>	<b>4.00</b>	<b>3.18</b>	<b>44.47</b>
<b>Max:</b>	<b>6.71</b>	<b>5.94</b>	<b>6.45</b>	<b>6.49</b>	<b>9.2</b>	<b>6.54</b>	<b>9.09</b>	<b>7.39</b>	<b>7.46</b>	<b>6.42</b>	<b>6.24</b>	<b>5.22</b>	<b>52.64</b>
<b>Min:</b>	<b>1.63</b>	<b>0.81</b>	<b>1.05</b>	<b>1.55</b>	<b>1.24</b>	<b>2.11</b>	<b>1.02</b>	<b>0.84</b>	<b>0.82</b>	<b>1.63</b>	<b>1.66</b>	<b>1.82</b>	<b>34.71</b>

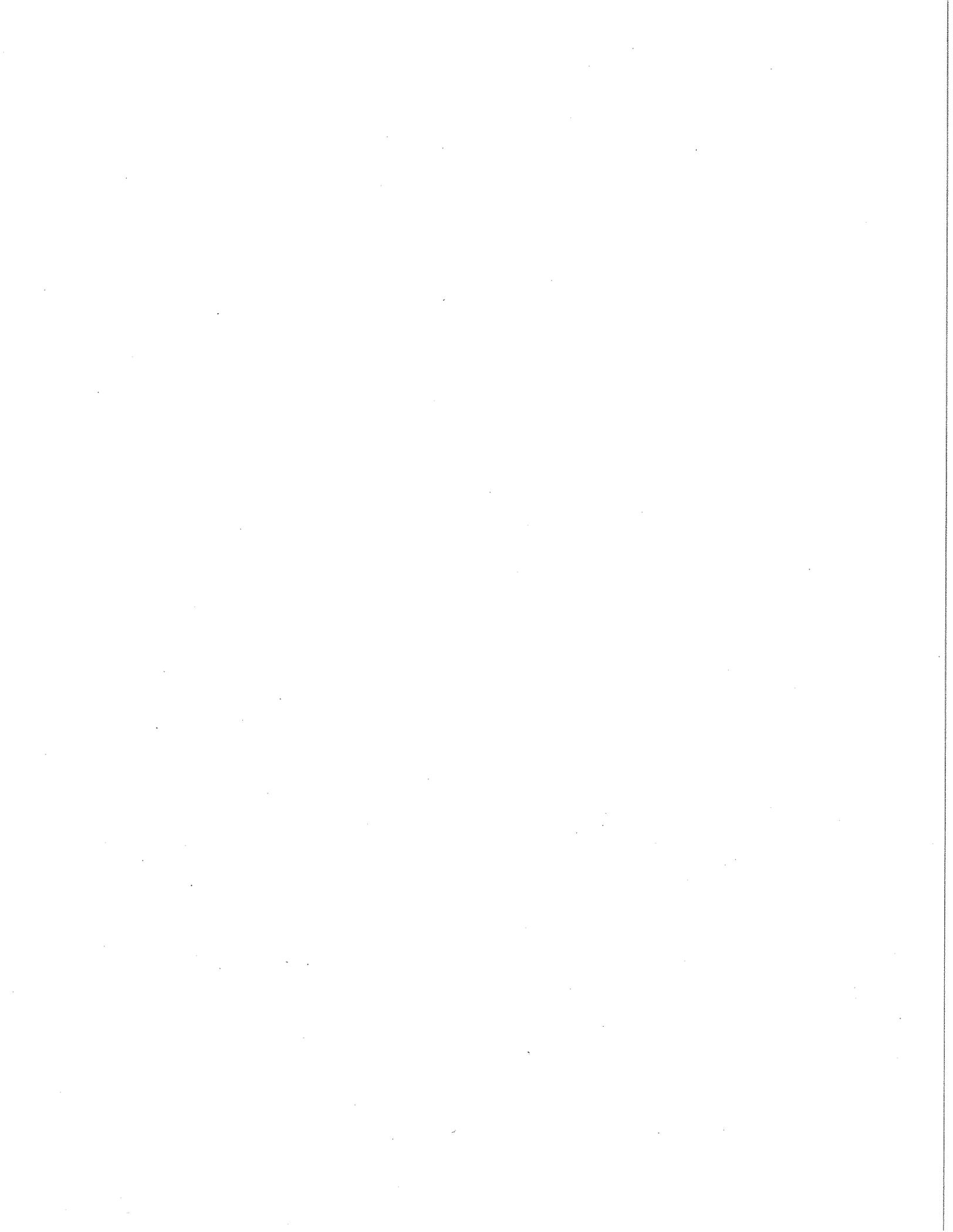
## **SUMMARY**

*The field of modern public works, dealing as it must with complex material, structures, equipment, and supplies, is sometimes associated in the Public's mind with the routine, even dull side of City related affairs.*

*It is true that a well administered Public Works Program may not be particularly conspicuous to the general public. These tasks as accomplished day by day are so much a part of life and living that they are taken for granted. Only in their absence, only in the break in this continuity, are they suddenly missed and understood by those whom they serve. The professionals who make Public Works "work", pride themselves in the anonymity of their activities.*

*We professional Public Works Employees view the aspect of city life with which we deal as seldom dull. Fiscal crisis, labor relations, the workings of the political process, demands of new technology, natural perils from floods to snowstorms, increased ecological and environmental concerns, new personnel management techniques - - all demand a high standard of professionalism.*

*With this in mind, Public Works is seen in its true light as vital, interesting, demanding and deeply rooted with the human relations of the community.*



# BEDFORD MUNICIPAL COURT

165 Center Road • Bedford, Ohio 44146-2898  
440 / 232-3420 • Fax 440 / 232-2510

BRIAN J. MELLING  
*Presiding Judge*

HARRY J. JACOB III  
*Judge*

THOMAS E. DAY JR.  
*Clerk of Court*

JURISDICTION  
BEDFORD  
BEDFORD HEIGHTS  
BENTLEYVILLE  
CHAGRIN FALLS  
CHAGRIN FALLS TWP.  
GLENWILLOW  
HIGHLAND HILLS  
MORELAND HILLS  
N. RANDALL  
OAKWOOD  
ORANGE  
SOLOM  
WARRENSVILLE HEIGHTS  
WOODMERE



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## ANNUAL REPORT

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# BEDFORD MUNICIPAL COURT

165 Center Road • Bedford, Ohio 44146-2898

440/232-3420 • Fax 440/232-2510

[www.bedfordmuni.org](http://www.bedfordmuni.org)

BRIAN J. MELLING  
*Judge*

HARRY J. JACOB III  
*Judge*

THOMAS E. DAY, JR.  
*Clerk of Court*

## TO THE COUNCIL OF THE CITY OF BEDFORD AND THE COUNTY EXECUTIVE OF CUYAHOGA COUNTY:

Greetings:

Pursuant to the requirements of Section 1901.14(A)(4) of the Revised Code of Ohio, submitted herein is the Annual Report of the Bedford Municipal Court for the year ending December 31, 2010. The contents of this report are based upon data assembled and tabulated by Thomas E. Day, Jr., Clerk of Court and his staff of Deputy Clerks in the Clerks office.

On January 1, 2010 Judge Harry J. Jacob III commenced his elected term on the bench with the Bedford Municipal Court.

The Courts jurisdiction serves the cities/villages of: Bedford, Bedford Heights, Bentleyville, Chagrin Falls, Chagrin Falls Township, Glenwillow, Highland Hills, Moreland Hills, North Randall, Oakwood, Orange, Solon, Warrensville Heights and Woodmere.

2010 was a year that again reflected the state of the local and national economy. Despite the slight reductions in new filings we are proud of the fact that the Bedford Municipal Court revenues exceeded expenses.

For a third time, the Bedford Municipal Court participated in a Fugitive Safe Surrender Program. The September 2010 program was initiated by Cuyahoga County, which allowed individuals wanted for non-violent felony or misdemeanor offenses to voluntarily surrender to the law in a faith-based setting at Mt. Zion Church in Oakwood Village. This particular program was a tremendous success due to the dedication and teamwork of the Cuyahoga County Sheriff's Department, the U.S. Marshals, the Local Police Department's and the many Court's who participated. Both Judge Jacob and Myself witnessed first hand the tireless efforts that were made of the many people, particularly our IT Administrator Bobbie Dulaney, Deputy Clerk Antoinette Mosley and the other Bedford Court Employees who assisted the more than 7,400 individuals that peacefully surrendered during the program.

Bedford Municipal Court  
Year 2010 Annual Report – Continued

Bedford Municipal Court also saw the reemergence of Our Court's Director of Community Education, which expanded into an Outreach Program. The focus of this program has been designed to educate all fourteen municipalities about the functions of the Court as well as making us visible throughout the jurisdiction.

2010 also saw the passing of Judge Joseph A. Zingales who was elected in November 1963 for the full six-year term commencing January 1, 1964. He was subsequently re-elected to an additional five six-year terms and served the Bedford Municipal Court as Presiding Judge for a total of thirty-six years. Judge Zingales retired from the bench December 31, 1999 due to age limitations.

A heartfelt thank you to Clerk of Court Thomas E. Day, Jr., the entire staff including our Acting Judges, Magistrates, Traffic/Criminal Division and Civil Division for the outstanding job they provided in 2010. Our staff of Deputy Clerks are truly professional and complete their work in an efficient and business-like manner and are ever mindful of the people we serve.

Chief Deputy Clerk John Garmone, Chief Bailiff Jamey DeFabio and Chief Probation Officer Rhys Tucker continue to provide the Court with excellent direction and service to the Court and the community.

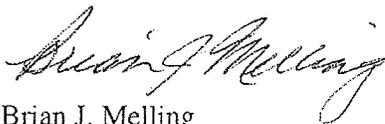
Special thanks to our Volunteer Court Liaisons who donate their time and in doing so contribute greatly to the success of this Court.

I would like to recognize the service of over seventeen and a half years that my friend and colleague Judge Peter J. Junkin provided to this Court. He led the Court as Presiding Judge for ten of those years. His legacy will be measured in the quality of justice he provided to those who appeared before him.

I wish to take a moment to thank my colleague and associate Judge Harry J. Jacob III for his generous help and dedication to the goals of the Court.

In closing, a thank you to the Mayors, Law Departments, Police Chiefs and Staff of the fourteen communities that make up the Bedford Municipal Court jurisdiction. In particular I wish to thank City of Bedford Mayor Daniel Pocek, the City Council and staff of the City of Bedford who have provided us with the support needed to continue to serve the public in the manner entrusted to this Court.

Respectfully submitted,



Brian J. Melling  
Presiding Judge

**THE BEDFORD MUNICIPAL COURT**

Judge Brian J. Melling, Judge Harry J. Jacob III and Clerk of Court Thomas E. Day, Jr. would like to recognize members of the Bedford Municipal Court Jurisdiction. It has been Our pleasure to work with you in a spirit of cooperation and look forward to Our continued work together.

**City of Bedford**

Mayor Daniel Pocek  
City Manager Henry Angelo  
Prosecutor Kenneth Schuman  
Police Chief Gregory Duber

**Village of Moreland Hills**

Mayor Susan Renda  
Prosecutor Santo Incorvaia  
Police Chief Thomas Flauto

**City of Bedford Heights**

Mayor Fletcher Berger  
Prosecutor Deborah Turner  
Acting Police Chief Mark Kwiatkowski

**Village of North Randall**

Mayor David Smith  
Prosecutor Leonard Spremulli  
Police Chief Ronald Mosley

**Village of Bentleyville**

Mayor Leonard Spremulli  
Prosecutor Ann Oakar  
Police Chief Timothy Pitts

**Village of Oakwood**

Mayor Gary Gottschalk  
Prosecutor Paul Grau  
Police Chief Robert Semik

**Village of Chagrin Falls**

Mayor Thomas Brick  
Prosecutor Thomas Hanculak  
Police Chief James Brosius

**Village of Orange**

Mayor Kathy Urdang Mulcahy  
Prosecutor Blair Melling  
Police Chief Chris Kostura

**Chagrin Falls Township**

Service provided by the  
Village of Chagrin Falls

**City of Solon**

Mayor Susan Drucker  
Prosecutor Frank Gasper  
Police Chief Wayne Godzich  
Mayor Kevin Patton - Retired  
Prosecutor Blair Melling - Resigned

**Cleveland Metropolitan Parks**

Prosecutor Joseph Feighan, Sr.  
Police Chief Gregory Loftus

**City of Warrensville Heights**

Mayor Clinton Hall  
Prosecutor Deborah Turner  
Police Chief William Jelenic  
Police Chief Frank Bova - Resigned

**Village of Glenwillow**

Mayor Mark Cegelka  
Prosecutor Robert Owen  
Police Chief Robert Hagquist

**Village of Highland Hills**

Mayor Robert Nash  
Prosecutor Thomas O'Donnell  
Police Chief Antonio Stitt

**Village of Woodmere**

Mayor Charles Smith  
Prosecutor Lon Stolarsky  
Police Chief Terence Calloway

**Bedford Municipal Court & Clerk's Office Staff**

Melling, Brian J.	Administrative Judge
Jacob III, Harry J.	Judge
Day, Jr., Thomas E.	Clerk of Courts/Court Administrator
Griffiths, David E.**	Acting Judge
Rutsky, Bruce S.	Acting Judge
Abens, Matthew B.	Magistrate
Cirincione, Ross S.	Magistrate
DeGross, Charles	Magistrate
Freda, Joy M.	Magistrate/Acting Judge
Glickman, Robert T.	Magistrate
Papa, Nicholas A.	Magistrate/Acting Judge
Pfundstein, Joseph A.	Magistrate
Pidala, Sherry A.	Magistrate
Turner, Deborah M.	Magistrate
Viland, Christopher P.*	Magistrate
Pidala, Candice L.	Domestic Violence Liaison
Garmone, John	Chief Deputy Clerk
Dulaney, Bobbie	IT Administrator
Morton, Peggy**	Bookkeeper
Collier, Leanne	Deputy Clerk/Administrative Assistant
DeLuca, Dorine	Deputy Clerk/Judicial Assistant
Smolen, Karen	Deputy Clerk/Judicial Assistant
Arnold, Jeffrey	Deputy Clerk/Part-Time
Carter, Priscilla	Deputy Clerk
DeLuca, Dorine	Deputy Clerk
Dowling, Ruth	Deputy Clerk/Part-Time
Farley, Maria*	Deputy Clerk/Part-Time
Gresham, Karen	Deputy Clerk
Jaklitch, Florence	Deputy Clerk
MacKenzie, Barbara	Deputy Clerk/Bookkeeper
Meuti, Gina	Deputy Clerk/Record Retention
Milakovich, Madelaine	Deputy Clerk
Mosley, Antoinette	Deputy Clerk
Payne, Shannon	Deputy Clerk
Perl, Lisa	Deputy Clerk/Part-Time
Prusha, Kari	Deputy Clerk
Turner, DeLana	Deputy Clerk/Part-Time
Witowski, Gloria	Deputy Clerk
Young, Shirley	Deputy Clerk/Part-Time

\* Resigned    \*\* Retired    \*\*\* Leave of Absence

**Bedford Municipal Court & Clerk's Office Staff Continued**

**Probation Department**

Tucker, Rhys	Chief Probation Officer
Byrnes, Carrienne	Probation Officer

**Bailiff Department**

DeFabio, Jamey	Chief Bailiff
Pinto, Joseph	Bailiff
Gilliam, John	Deputy Bailiff/Part-Time
Kozar, Bryan	Deputy Bailiff
Masetta, Audra	Deputy Bailiff/Part-Time
Muzzin, Timothy	Deputy Bailiff
Phillips, Michael	Deputy Bailiff/Part-Time

**Director of Community Education**

Ciofani, Nicholas	Director of Community Education
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**Interns**

Berman, Jaclyn	Part-Time Intern/Deputy Clerk
McInerney, Andrew	Part-Time Intern/Law Clerk

**Volunteer Interns**

Ackerman, Rhyan	Howard, Brittney
Hammonds, Benjamin	Natalie, Daniel

**Volunteer Court Liaison**

Bailey, Elmer	Kostyo, Don
Chizmar, Judith	Samp, Marcia
Cummins, Russell	Wiedlund, Robert
Grossenbaugh, Rose	

\* Resigned    \*\* Retired    \*\*\* Leave of Absence

## *HISTORY OF THE BEDFORD MUNICIPAL COURT*

The Ohio Legislature established the Bedford Municipal Police Court, commencing January 1, 1932, at the same time as the City began to operate under the City Manager form of government. (At that time, similar municipal police courts were in existence in East Cleveland and Cleveland Heights).

Ralph W. Bell was elected as the first Judge of the Court, and by subsequent re-elections, for four-year terms, served from January 1, 1932 until September 1943. In September 1943, Judge Bell resigned to enter service in the Army of the United States.

L.R. Landfear was appointed by the Governor of Ohio in October 1943 to fill the un-expired term, and was elected in November 1943 to a full term, commencing January 1, 1944.

Upon the return of Ralph W. Bell from overseas duty in 1946, Mr. Landfear resigned as Judge and Governor Tom Herbert appointed Ralph W. Bell in December 1946. He continued as Judge until December 1957.

The legislature created a new Bedford Municipal Court, having both criminal and civil jurisdiction, effective as of January 1958, and the Police Court was abolished.

Because of the increased jurisdiction over territory and subject matter of the Court, the position of Judge became one requiring the full time attendance of the occupant. Desiring to continue his private practice of law, Judge Bell decided not to seek election again.

Vincent Arnold was elected and served for the six-year term from January 1, 1958, until December 31, 1963. Judge Joseph A. Zingales, who was elected in November 1963 for the full six-year term commencing January 1, 1964, succeeded him. He was subsequently re-elected to an additional five six-year terms and served the Bedford Municipal Court as Presiding Judge for a total of thirty-six years. Due to age limitations imposed by the State legislature, Judge Joseph A. Zingales was required to retire as of December 31, 1999. Judge Zingales passed away on June 22, 2010.

Because of the increased volume of work for the Chief Justice of Ohio's Supreme Court, C. William O'Neil created a second temporary Judgeship in the Bedford Municipal Court effective March 1, 1974. Rodney H. Reed was appointed by the Chief Justice to fill that role. Effective August 19, 1975, the State legislature formally created a permanent second Judgeship and on November 4, 1975, Rodney H. Reed was elected to a four-year term commencing on January 1, 1976. He subsequently was elected and re-elected to six-year terms until his untimely death on February 17, 1992.

## ***HISTORY OF THE BEDFORD MUNICIPAL COURT CONTINUED***

On May 18, 1992, Governor George Voinovich appointed Peter J. Junkin to fill the vacancy created by the death of Judge Reed until the voters of the district could elect a Judge to fill the balance of the un-expired term. Judge Junkin who was raised in the jurisdiction and was a graduate of Bedford High School served as Magistrate and Acting Judge of the Court from 1982 through 1992.

Thereafter, Peter J. Junkin was elected on November 2, 1993, to complete the un-expired four-year term of the late Rodney H. Reed, and was subsequently re-elected to two additional terms. His current six-year term began on January 1, 2004 until December 2009. In the year 2000, Judge Junkin was elected Presiding Judge of the Court and served in that position until leaving office on December 31, 2009.

Judge Brian J. Melling, a former Law Director for the City of Bedford, was elected to his first six-year term in November 1999, which commenced on January 1, 2000. Judge Melling was also raised in the jurisdiction and was a graduate of Bedford High School and also had prior service as an Acting Judge of the Court from 1992 through 1999. Judge Melling was subsequently re-elected to his current six-year term beginning January 1, 2006 until December 2011.

In April 2003, the Bedford Municipal Court left its location at 65 Columbus Road and relocated to the new complex at 165 Center Road, Bedford, Ohio. The new courthouse, part of the Bedford Municipal Complex, was built in accordance with the standards suggested by the Supreme Court of Ohio. The construction met both the immediate and foreseeable space needs for the Court.

Elected in November 2009 by the voters of the fourteen communities comprising the Bedford Municipal Court, Judge Harry J. Jacob III took office on January 1, 2010. Judge Jacob had been in private practice for over 28 years, as well as serving on the Solon Civil Service Commission for over 20 years. Judge Jacob also made the effort of promoting, protecting and improving the honesty and ethics of the local legal community by serving on the Cuyahoga County Bar Associations Grievance Committee, Ethics Committee (chairman), Unauthorized Practice of Law Committee (chairman); and Lawyer Client Relations Committee.

**Bedford Municipal Court**  
**2010 Annual Report - Continued**

**CIVIL AND SMALL CLAIM DIVISION**

Number of Cases Filed in 2010	
Complaints	2245
Forcible Entry & Detainer	1827
Replevin	9
Cognovit Note	0
Transfer of Judgment	23
Limited Driving Privileges	221
<b>Total:</b>	<b>4325</b>

Partial Breakdown of other Filings:	
Application for Default	1367
Bankruptcy	473
Execution on Levy	10
Attachment in Aid of Execution	2681
Examination Before Judge	67
Writ of Execution	5
Writ of Restitution	1117
Certificate of Judgment for Lien	762
Certificate of Judgment for Transfer	54
Motions	3904
Amended Complaints	29
Counterclaims	43
Cross-Complaints/Third Party Complaints	2
Request for Alias Service	3471
Satisfaction/Release of Garmishment	1637
<b>Total:</b>	<b>15,622</b>

**SMALL CLAIM DIVISION**

Cases Pending as of 2009	618
Cases Filed in 2010	2013
Cases Disposed of in 2010	1944
Cases Pending as of 12-31-2010	687

**Bedford Municipal Court**  
 2010 Annual Report - Continued

**CIVIL AND SMALL CLAIMS DIVISION - Continued**

**Matters Heard in 2010**

Dismissed	1565
Judgment for Plaintiff	291
Judgment for Defendant	15
Settled and Dismissed	104
Satisfied	1197
Forcible Entry & Detainer	1128
Limited Driving Privileges	253
Bankruptcy	478
Replevin	9
Cognovit Note	0
Default	2480
Certified to Common Pleas	17
Motions	2624
Citations to Show Cause	37
Purged of Contempt	13
Stipulation for Leave to Plead	32
Jury Trials Held	0
Wedding Performed	40

Cases Pending as of 12-31-2010 1667

**Breakdown of Civil Cases by Municipalities:**

Bedford	1449
Bedford Heights	861
Bentleyville	2
Chagrin Falls	137
Glenwillow	4
Highland Hills	26
Moreland Hills	30
North Randall	57
Oakwood	108
Orange Village	40
Solon	415
Warrensville Heights	1362
Woodmere	67
Other	1778

**Bedford Municipal Court**  
**2010 Annual Report - Continued**

**CIVIL AND SMALL CLAIMS DIVISION - Continued**

Receipts:	Civil and Small Claims		
	Clerk and Bailiff Fees (Court Costs)	\$	659,517.07
	Marriage Fees		800.00
	Deposit for Jury		3,640.00
	Appraisers		1,145.00
	Security for Costs		6,317.50
	Judgments		1,984,945.94
	Miscellaneous		4,515.52
	Reparation Fund		128,585.18
	Capital Improvements		24,336.00
	Special Programs Fund		42,476.00
	<b>Total Receipts</b>	<b>\$</b>	<b>2,856,278.21</b>

Disbursements:	Civil and Small Claims		
	City of Bedford - Clerk and Bailiff	\$	659,488.21
	Marriage Fees		800.00
	Sheriff		575.22
	Refunds, Transfers, Court of Appeals, Security		99,709.01
	Judgments		1,799,728.92
	Appraisers		685.00
	Reparation Fund		128,613.54
	Capital Improvements		24,336.00
	Special Programs Fund		42,476.00
	Unclaimed Funds		-
	<b>Total Disbursements</b>	<b>\$</b>	<b>2,756,411.90</b>

Receipts:	Landlord-Tenant		
	Rent Deposits	\$	7,946.00
	<b>Total Receipts</b>	<b>\$</b>	<b>7,946.00</b>

Disbursements:	Landlord-Tenant		
	City of Bedford - costs	\$	73.66
	Landlord-Tenant		3,564.99
	<b>Total Disbursements</b>	<b>\$</b>	<b>3,638.65</b>

**Bedford Municipal Court**  
**2010 Annual Report - Continued**

**CIVIL AND SMALL CLAIMS DIVISION - Continued**

**TRUSTEESHIP DIVISION**

Pending as of 12-31-2009	2
Accounts Filed in 2010	2
Bankruptcy	0
Terminated for Non-Payment	1
Terminated at Trustee's Request	0
Accounts Paid in Full	0
Pending as of 12-31-2010	3

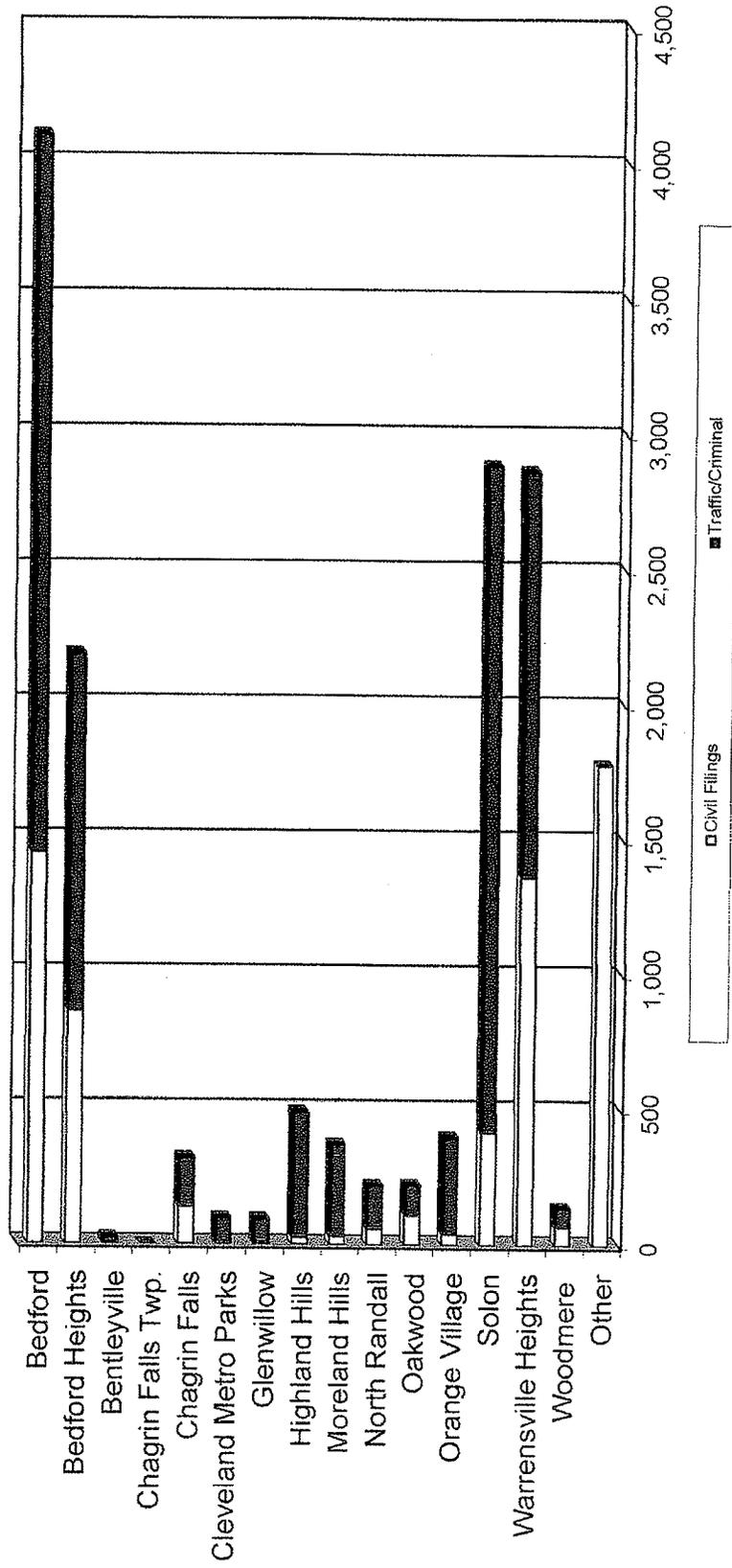
Receipts:

Debtor	\$	13,604.00
Filing Fees		20.00
<b>Total</b>	<b>\$</b>	<b>13,624.00</b>

Disbursements:

City of Bedford - Clerk and Bailiff	\$	341.77
Creditor Payments		13,282.23
Refunds		0.00
<b>Total</b>	<b>\$</b>	<b>13,624.00</b>

# Bedford Municipal Court New Case Filings for Year 2010 By Municipality

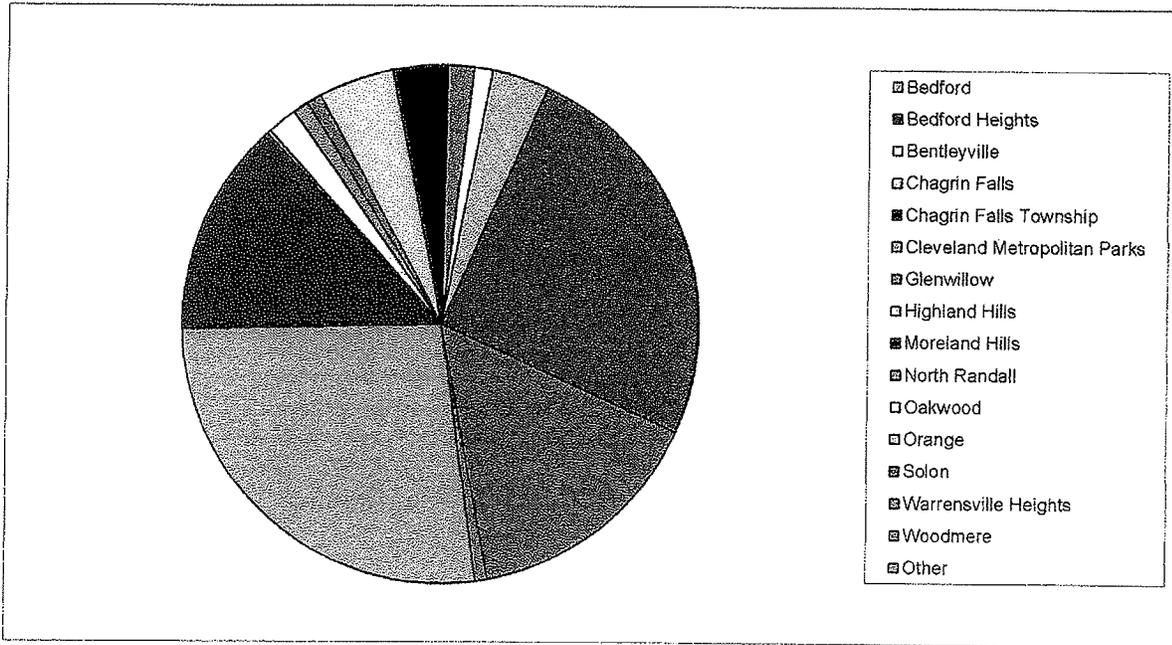


Bedford Municipal Court 2010  
Annual Report - Continued

**TRAFFIC/CRIMINAL DIVISION**

**Total Traffic/Criminal New Case Filings By Municipality**

	Criminal - CRA Felonies	Criminal - CRB Misdemeanors	Traffic - TRC OVI/BAC	Traffic TRD	Total Traffic/Criminal Cases
Bedford	2	646	43	1,964	2,655
Bedford Heights	2	160	29	1,136	1,327
Bentleyville	0	3	1	20	24
Chagrin Falls	2	68	16	99	185
Chagrin Falls Twsp.	0	0	0	0	0
Cleveland Metro Parks	0	13	1	85	99
Glenwillow	0	15	5	71	91
Highland Hills	0	104	42	319	465
Moreland Hills	0	23	7	311	341
North Randall	1	43	10	108	162
Oakwood	0	33	13	67	113
Orange	0	29	12	317	358
Solon	1	549	114	1,808	2,472
Warrensville Heights	0	401	15	1,089	1,505
Woodmere	0	16	4	52	72
Liquor Board/ODNR	0	0	0	0	0
Other	0	0	0	2	2
<b>Total By Case Type</b>	<b>8</b>	<b>2,103</b>	<b>312</b>	<b>7,448</b>	<b>9,871</b>



**Bedford Municipal Court**  
2010 Annual Report - Continued

TRAFFIC/CRIMINAL DIVISION - Contined

**Domestic Violence**

Bedford	36
Bedford Heights	22
Bentleyville	0
Chagrin Falls	5
Chagrin Falls Township	0
Cleveland Metropolitan Park	0
Glenwillow	4
Highland Hills	7
Moreland Hills	0
North Randall	8
Oakwood	4
Orange	2
Solon	24
Warrensville Heights	53
Woodmere	1
<hr/> Total	<hr/> 166

**Other Offenses of Violence**

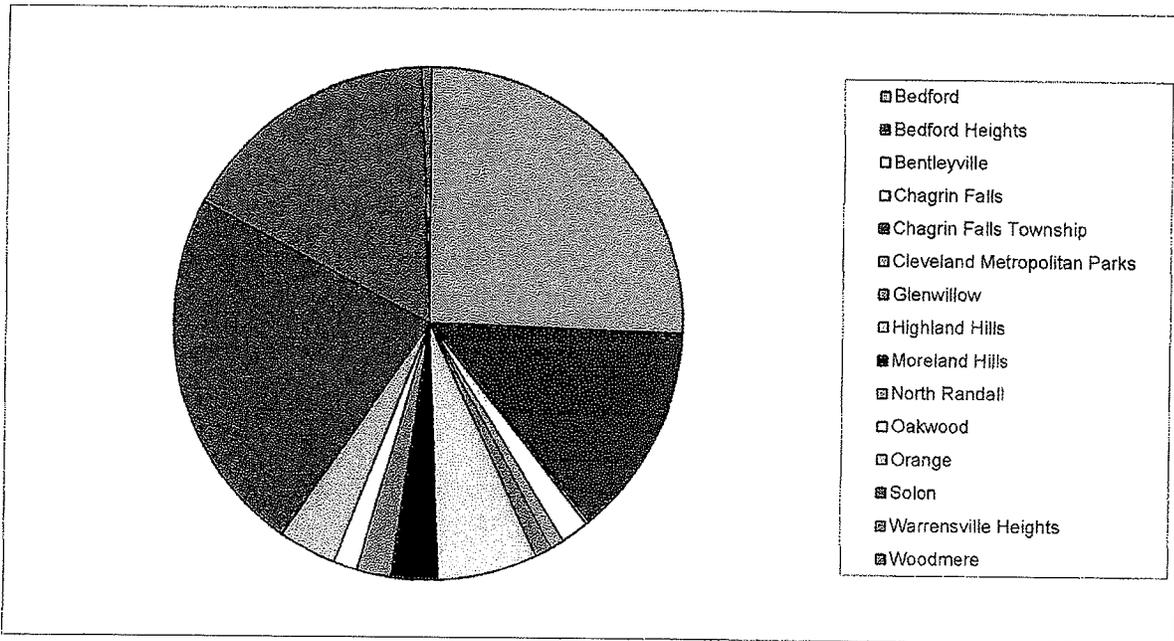
Violation of Protection Order	28
Assault	78
Sexual Imposition	4
Menacing	13
Menace by Stalking	4
Aggravated Menacing	28

Bedford Municipal Court 2010  
Annual Report - Continued

TRAFFIC/CRIMINAL DIVISION - Continued

Total Traffic/Criminal Cases Disposed By Municipality

	Criminal - CRA Felonies	Criminal - CRB Misdemeanors	Traffic - TRC OVI/BAC	Traffic TRD	Total Traffic/Criminal Cases
Bedford	4	689	44	2,095	2,832
Bedford Heights	1	184	36	1,268	1,489
Bentleyville	0	3	1	22	26
Chagrin Falls	3	72	14	107	196
Chagrin Falls Twsp.	0	0	0	0	0
Cleveland Metro Parks	0	10	1	90	101
Glenwillow	0	14	12	96	122
Highland Hills	0	148	68	492	708
Moreland Hills	0	21	10	297	328
North Randall	1	66	14	159	240
Oakwood	0	50	18	96	164
Orange	0	34	15	358	407
Solon	1	563	142	1,870	2,576
Warrensville Heights	1	528	31	1,276	1,836
Woodmere	0	21	1	52	74
Liquor Board/ODNR	0	0	0	0	0
Other	0	0	0	0	0
Total By Case Type	11	2,403	407	8,278	11,099



**Bedford Municipal Court**  
**2010 Annual Report - Continued**

**TRAFFIC/CRIMINAL DIVISION - Continued**

**Probation Department**

Placed on Active Probation in 2010	678
Placed on Inactive Probation in 2010	193
Placed on Diversion in 2010	131
Cases Terminated Successfully in 2010	401
Probation Violations Heard in 2010	132
Cases Transferred to Jail Reduction Program in 2010	1
Probation cases with open warrants as of 12/31/2010	104
Pre-Sentence Reports assigned in 2010	4
Expungement Investigations assigned in 2010	114
Drug and Alcohol Tests in 2010	220

**Matters Heard or Disposed of in 2010**

State & Municipal Traffic	8,685
State & Municipal Misdemeanors	2,414
Felony Preliminary Hearings Held	0
Felony Preliminary Hearings Waived	1
Felonies Dismissed and Indicted	8
Jury Trials Held	10
Extraditions	5
Criminal Rule 4E	3
Traffic Cases Paid by Waiver	3,239
Misdemeanor Cases Paid by Waiver	97
5-Day Hearings	2,340
Expungements	114
Contempt of Court - Guilty	1,099
Contempt of Court - Purged	519
Cases Disposed as N/A or Fugitive	759
Search Warrants	33
Cases Re-opened	1,565
Warrants Issued	2,644
License Forfeitures - Warning Issued	986
License Forfeitures Issued	646
License Forfeitures Released/Cleared	546
Show Causes to Bonding Companies	727
Indigency Affidavits Counsel Assigned	1,482
Driving Permits	422
Motions for Continuance	2,498
Vehicles Booted	39

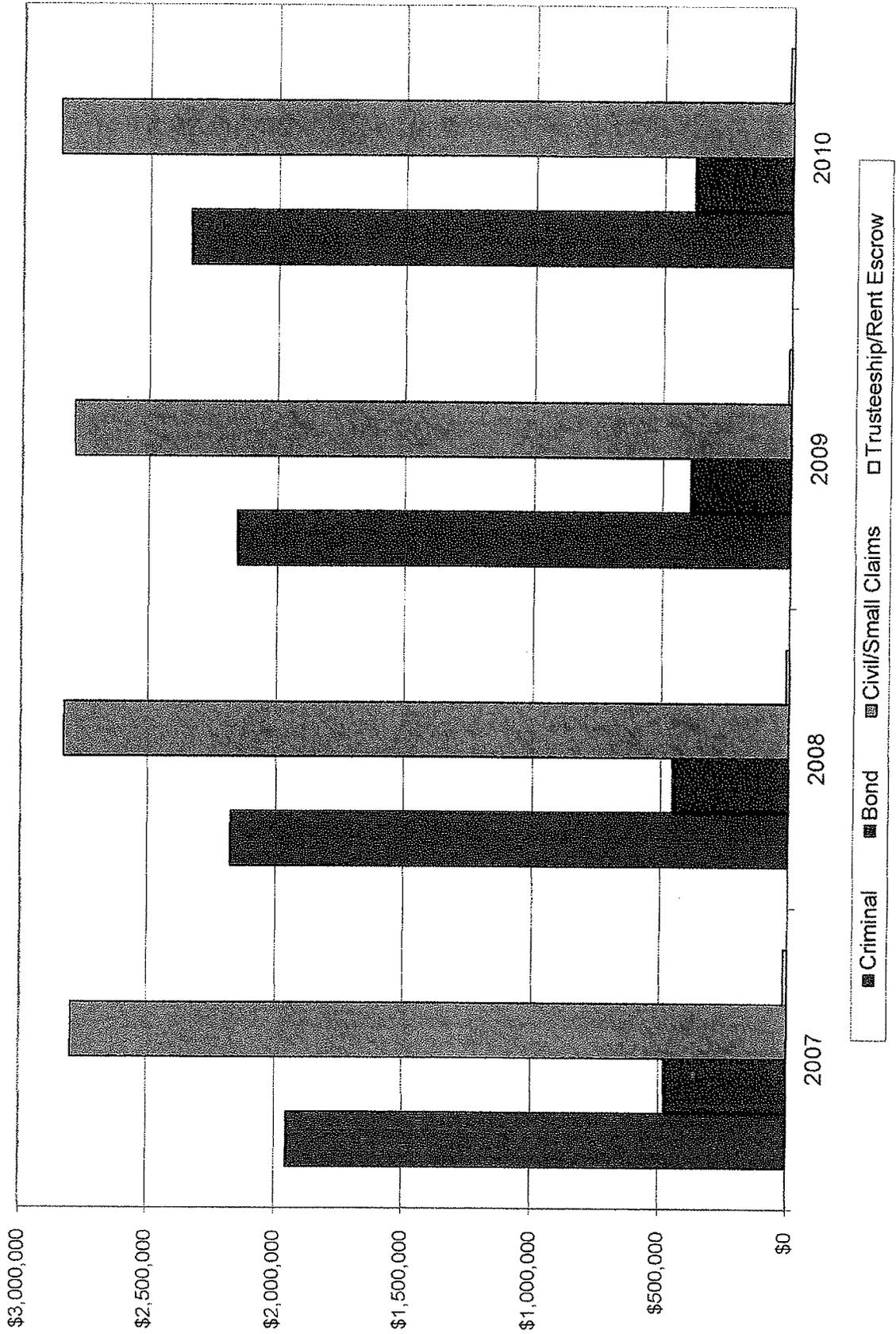
TRAFFIC/CRIMINAL DIVISION - Continued

Receipts:

Fines & Forfeitures	\$	1,057,964.20
Costs		600,230.69
Expungements		4,230.00
Restitution/Refund		77,626.63
Witness and Jury Fees		4,864.50
Victims of Crime		68,845.76
Steno Fees		13,403.00
Capital Improvements		37,934.50
Special Projects Fund		136,346.50
Indigent Interlock/Scram Monitoring		13,842.25
Public Defender		24,068.00
CRIS/Crime Stoppers		41,773.50
Drug Law Enforcement Fund		21,607.00
* Indigent Defense Support Fund		237,652.00
Habitual Offender Registry		42.50
Totals	\$	2,340,431.03

**\*Indigent Defense Support Fund** - Under prior law, the Indigent Defense Support Fund consisted solely of specified fine money paid into the Fund under R.C. 4511.19 (DUI) reported as the Indigent Defense Fund and additional court costs imposed under R.C. 2949.094 (moving violations) and was reported by the Court as the General Revenue Fund. The State Public Defenders Office used the money to reimburse counties for costs incurred in running their public defender programs. The biennial budget act (effective 10/16/2009) adds to the sources of money for the Fund by 1) Establishing a surcharge of \$25.00 paid when a person posts bail and if the person is convicted, pleads guilty, or forfeits bail, requiring that the surcharge be deposited into the Fund. 2) Increasing from \$15.00 to \$30.00 for a felony offense and to \$20.00 for a misdemeanor offense other than a traffic offense that is not a moving violation, the additional court cost traditionally used for public defender support and requiring that it be credited to the Fund. 3) Imposing a \$10.00 additional court cost for traffic offenses that is neither a moving violation nor a parking violation and requiring that the money collected as the additional court costs be credit to the Fund.

# Bedford Municipal Court Prior Years Revenue Comparison



Bedford Municipal Court  
2010 Annual Report - Continued

TRAFFIC/CRIMINAL DIVISION - Continued

Disbursements:

Fines, Forfeitures and Expungements  
by Municipality:

City of Bedford	\$	194,160.50
City of Bedford Heights		125,073.28
Village of Bentleyville		4,151.00
Village of Chagrin Falls		26,582.00
Cleveland Metro Parks System		4,001.00
Village of Glenwillow		14,367.00
Village of Highland Hills		70,938.50
Village of Moreland Hills		32,234.00
Village of North Randall		21,933.00
Village of Oakwood		15,451.00
Village of Orange		40,701.00
City of Solon		271,261.25
City of Warrensville Heights		128,524.00
Village of Woodmere		11,789.00

Cuyahoga County

Fines	\$	58,729.00
Expungements		930.00
Liquor		1,086.50
Chagrin Township		0.00
CRIS/Crime Stoppers Fund		41,773.50
Public Defenders Fund		24,068.00

State of Ohio

Victims of Crime	\$	68,845.76
Seat Belts		15,234.00
Liquor		1,067.50
O.D.T. Fines		0.00
Child Restraints		1,585.00
Expungements		1,050.00
License Forfeiture Fees		165.00
Drug Enforcement Fund		21,607.00
Indigent Defense Fund		237,652.00
Habitual Offender Registry		42.50

**Bedford Municipal Court**  
**2010 Annual Report - Continued**

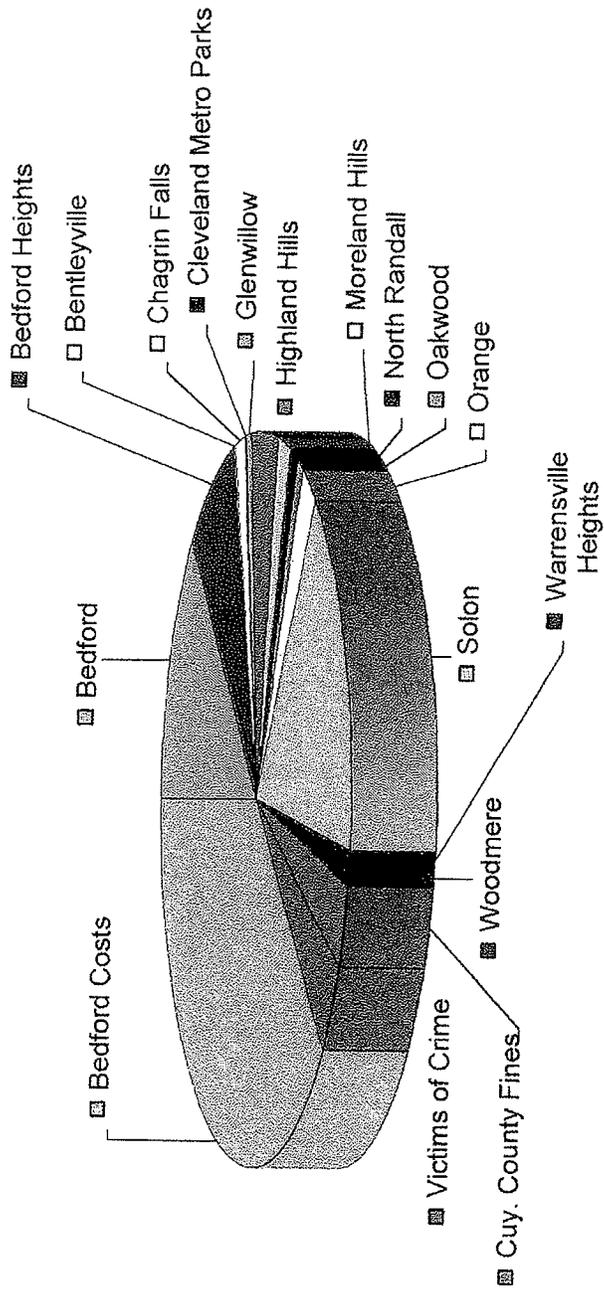
**TRAFFIC/CRIMINAL DIVISION - Continued**

Costs: City of Bedford - Criminal/Traffic Court Costs		
Ordinances and State		602,480.69
Witness & Jury Fees		4,864.50
Capital Improvements		37,934.50
Steno Fees		13,403.00
Special Projects Fund		136,346.50
OMVI Indigent		18,447.65
Police Education		483.00
Restitutions/Refunds		77,626.63
Unclaimed Funds		0.00
Indigent Interlock/Scram Monitoring		13,842.25
	Total	<u>\$2,340,431.01</u>

**BOND DIVISION**

Receipts / Cash Bonds		\$380,099.00
Disbursements / Applied to Fines and Costs		\$240,259.78
Refunds		153,321.22
Forfeitures		3,929.00
Transfer of Funds		161.00
Unclaimed Funds to Bedford		-
	Total	<u>\$397,671.00</u>

# Bedford Municipal Court Disbursements in Year 2010 by Municipality



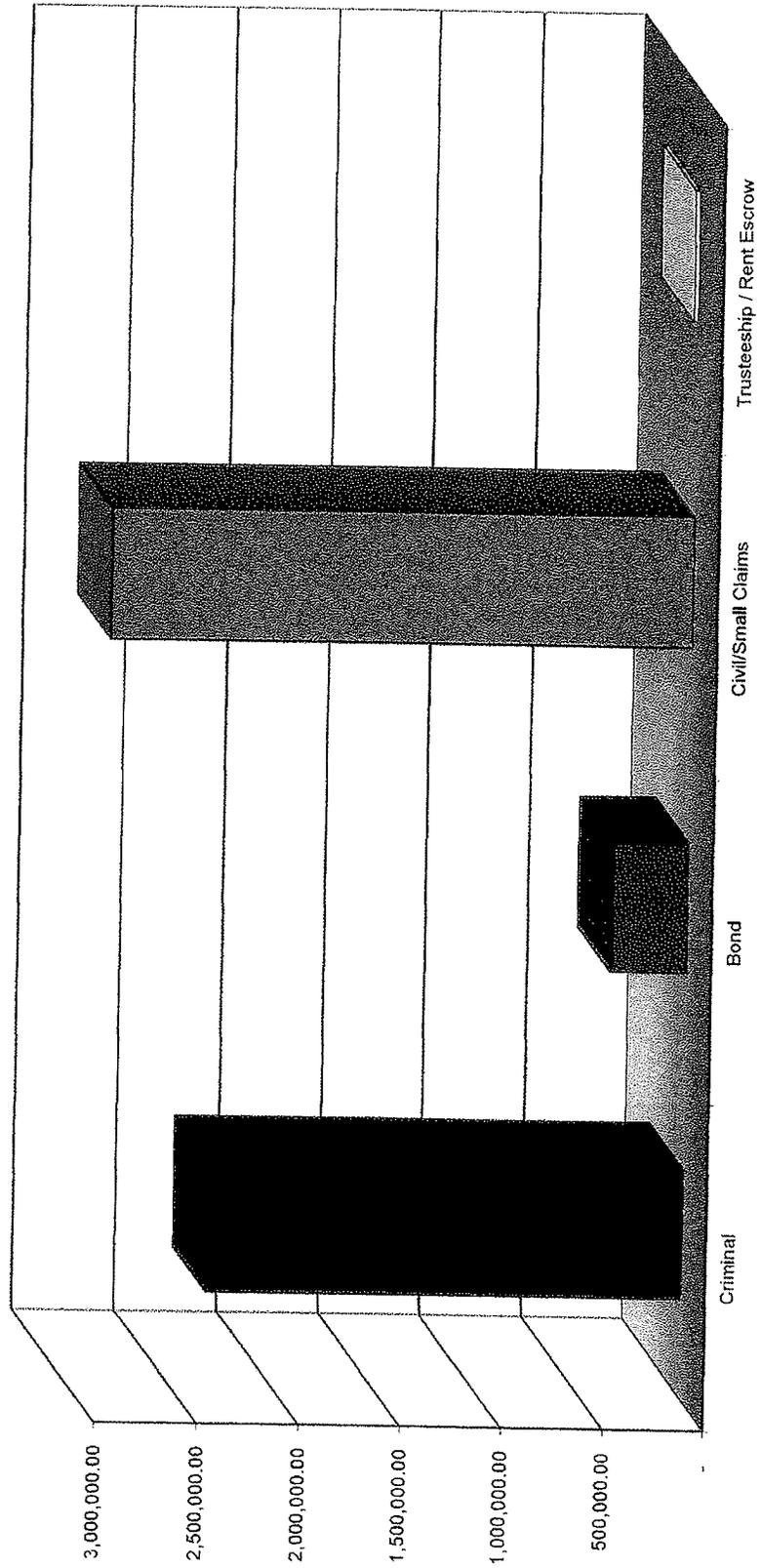
**Bedford Municipal Court**  
**2010 Annual Report - Continued**

**SUMMARY**

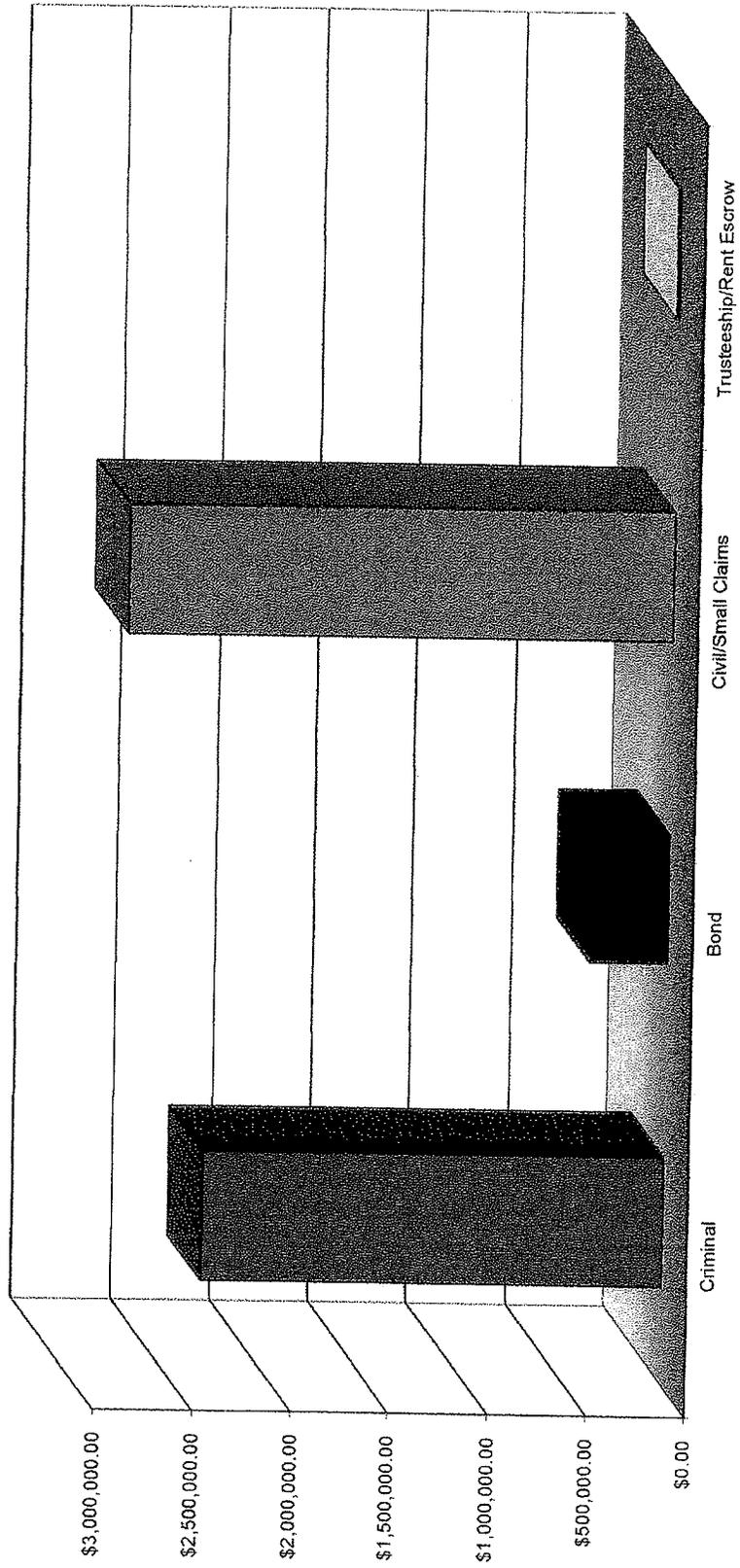
<b>RECEIPTS:</b>	<b><u>2007</u></b>	<b><u>2008</u></b>	<b><u>2009</u></b>	<b><u>2010</u></b>
Criminal	\$1,954,778.87	\$2,176,123.20	\$2,155,589.28	\$2,340,431.03
Bond	477,360.00	452,733.00	391,051.00	380,099.00
Civil/Small Claims	2,800,444.10	2,831,846.53	2,794,420.04	2,855,478.21
Trusteeship	15,038.00	11,282.50	10,863.50	13,624.00
Rent Escrow	9,065.00	11,829.00	3,064.00	7,946.00
<b>TOTALS:</b>	<b>\$5,256,685.97</b>	<b>\$5,483,814.23</b>	<b>\$5,354,987.82</b>	<b>\$5,597,578.24</b>

<b>DISBURSEMENTS:</b>	<b><u>2007</u></b>	<b><u>2008</u></b>	<b><u>2009</u></b>	<b><u>2010</u></b>
Criminal	\$1,953,611.12	\$2,180,683.99	\$2,156,414.28	\$2,340,431.01
Bond	448,189.00	466,866.00	394,080.00	397,671.00
Civil/Small Claims	2,808,206.96	2,857,530.85	2,792,644.91	2,755,611.90
Trusteeship	17,796.06	11,282.50	11,586.06	13,624.00
Rent Escrow	11,596.42	8,386.03	4,900.56	3,638.65
<b>TOTALS:</b>	<b>\$5,239,399.56</b>	<b>\$5,524,749.37</b>	<b>\$5,359,625.81</b>	<b>\$5,510,976.56</b>

# Bedford Municipal Court Summary of Year 2010 Receipts



# Bedford Municipal Court Summary of Year 2010 Disbursements



Bedford Municipal Court  
2010 Annual Report - Continued

**FINANCIAL RECONCILIATION**

**BOND**

Bank Balance as of 12-31-20010	\$90,405.84
Less Outstanding Checks	(1,690.00)
Deposit in Transit	2,500.00
Open Items as of 12-31-2010	<u>\$91,215.84</u>

**CRIMINAL**

Bank Balance as of 12-31-2010	\$200,367.47
Less Outstanding Checks	(196,915.49)
Deposit in Transit	1,703.00
Open Items as of 12-31-2010	<u>\$5,154.98</u>

**CIVIL AND SMALL CLAIMS**

Bank Balance as of 12-31-2010	\$235,205.40
Less Outstanding Checks	(86,351.98)
Deposit in Transit	10,442.63
Open Items as of 12-31-2010	<u>\$159,296.05</u>

**TRUSTEESHIP**

Bank Balance as of 12-31-2010	\$3,521.34
Less Outstanding Checks	(3,523.34)
Deposit in Transit	2.00
Open Items as of 12-31-2010	<u>\$0.00</u>

**RENT ESCROW**

Bank Balance as of 12-31-2010	\$8,744.96
Less Outstanding Checks	(555.33)
Deposit in Transit	140
Open Items as of 12-31-2010	<u>\$8,329.63</u>

**JURY/WITNESS FEES**

Bank Balance as of 12-31-2010	\$4,386.57
Less Outstanding Checks	(\$23.10)
Deposit in Transit	-
Open Items as of 12-31-2010	<u>\$4,363.47</u>