

Memorandum

TO: Board of Aldermen

FROM: Alderman-at-Large David W. Deane

DATE: December 14, 2010

SUBJ: Liaison Report from Board of Public Works Meeting – December 13, 2010

Colleagues,

Attached please find my liaison report from the December 13, 2010 Board of Public Works Meeting.

Thank you.

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Attachments

Board of Public Works Meeting of December 13, 2010
Agenda

A regular meeting of the Board of Public Works is scheduled for Monday, December 13, 2010 at 3:45 p.m. at the Division of Public Works, Administration & Engineering offices located at 9 Riverside Street, Nashua, New Hampshire.

I. **Motion:** To approve the Agenda as presented. Approved

II. **Motion:** To approve the Minutes of the Board of Public Works meeting of November 8, 2010.
Approved

III. Aldermanic Referrals None

IV. Public Comment Mr. James Cutter

V. Wastewater Treatment Facility

A. Motion: To approve the User Fee Warrants as presented. Approved

B. Motion: To approve the selection of Mr. Steve Pecararo, for the position of Collection System Technician at the Wastewater Treatment Facility. Starting rate of pay is \$23.56/hr or \$48,812.50/year. Funding for this position is located in the FY2011 Wastewater Budget 802-11158-8330-8700. Approved

C. Motion: To approve the purchase of a drive unit rebuild for the Secondary Clarifier No. 3 from Siemens Water Technologies, Waukesha, WI in the amount of \$15,155. Funding is available in account #802-96080-8500-8900-72. Approved

D. Motion: To approve the contract for rebuilding the Secondary Clairifier No 3 with Waterline Services, Seabrook, NH in the amount of \$10,150. Funding is available in account #802-96080-8500-8900-72. Approved

VI. Engineering Department

A. Motion: To approve the Residential Wastewater Service Permits and Fees as submitted. Approved

B. Motion: To approve Amendment # 3 to AECOM's Professional Engineering Services Contract for the Construction Phase of the Wet Weather Flow Treatment Facility in an amount not to exceed \$30,000.00. Funding for this contract amendment will be through account #792-53030-3799, Wet Weather Flow Treatment Facility Construction Phase Engineering Services Approved.

C. Informational: Update on Stormwater and Drainage Program Placed on File

VII. Solid Waste Department

A. Motion: To approve an additional Equipment Operator, Landfill position and eliminate a Collection Equipment Operator position. Starting salary for this position will be \$22.05 per hour for a yearly salary of \$45,864. Funding for this position is found in the Solid Waste Department budget in #801-11595-8100-8200. Approved

VIII. Street Department

A. Presentation: 2010 Sewer Replacement Program Overview

B. Motion: To approve the hiring of Mr. Robert Lajoie of Nashua NH to the position of Truck Driver at the Street Department. Starting salary for this position will be \$20.09 per hour for a yearly salary of \$41,787.20. Funding for this position is found in the Street Department operations budget in account #553-11759-6921-000. Approved

C. Motion: To approve the hiring of Mr. Ryan Lones of Nashua NH to the position of Truck Driver at the Street Department. Starting salary for this position will be \$20.09 per hour for a yearly salary of \$41,787.20. Funding for this position is found in the Street Department operations budget in account #553-11759-6921-000. Approved

D. Motion: To approve the following Pole License Petitions: Pole License 21-1038 for one pole located on Wagon Trail, Pole License 21-1047 for one pole located on Temple Street and Pole License 21-1055 for two poles located on West Hollis Street. Approved

E. Informational: Thank You letter from resident. Placed on File

IX. Parks & Recreation Department

A. Motion: To approve the purchase of playground equipment to replace the current equipment at Bulova Park from the low bidder O' Brien & Sons, Inc. of Medfield, MA. for the sum of \$11,817 Funding is available in account number #952-64225-0-5384 Park Rehabilitation in the amount of \$62,849.38 balance after purchase will be \$51,032.38. Approved

B. Motion: To approve the lease between the City and Nashua Collegiate Baseball for a sum of \$600 for a two month period. Approved

C. Informational: Thank You letter from the Humane Society of Greater Nashua Placed on File

D. Informational: Thank You letter from resident regarding the Senior Outing. Placed on File

X. Administration

A. Motion: To approve the contract for the removal of 20 feet of the chimney at the Boiler Building at 10 Technology Way to International Chimney Corporation of Buffalo, NY for the amount of \$26,700.00 using method Option #2. Funding for this contract is through account #753-3740 Broad Street Parkway Project. Approved

B. Motion: To approve Amendment 3 to the Hayner/Swanson Inc. contract for Planning and Design Services on the Broad Street Parkway- Pine Street/Palm Street Improvements in the amount of \$199,397. Funding for this amendment is available through account #753-3740 Broad Street Parkway Project. Approved

C. Motion: To approve Amendment 1 to the Vanasse Hangen Brustlin, Inc. contract for Historic Documentation on the Broad Street Parkway – Boiler House and 40 Pine Street in the amount of \$21,750. Funding for this amendment is available through account #753-3740 Broad Street Parkway Project. Approved

D. Informational: Overall Status of the Broad Street Parkway, Placed on File

E. Informational: FY2012 Capital Improvement Program, Placed on File

F. Informational: Board of Public Works Meeting Schedule for 2011, Placed on File

XI. Directors Report

XII. Commissioners Comments

Engineering Department

- **(PHOTOS) Net Metering Project.** Contractor has installed the underground utilities, a new pole and transformer, and the net metering equipment in the Energy Recovery Building. The remaining work includes replacing the end power pole and installing a new gang operated transfer switch. All work is expected to be complete by mid December, however, startup will not occur till the first week of January. Substantial completion will be extended to January 31st, and final inspection extended to June 1st, 2011, to allow time to see if there are any vegetation or erosion issues.
- **Sewer Video Program.** An effort is currently underway to identify all sewers, primarily in the inner City area, that have been videoed and the streets still in need of video work. Additional video work will be requested following that task, and will be based on geographic proximity in order to most efficiently implement this program. Additional video work has been requested to address numerous sewer problems and potential pipe collapses. Some videos have been received and are currently being reviewed.
- **(PHOTOS) CSO 005/006 Drop Over Structures.** Park Construction has completed placing concrete for the East Hollis Street structure. There remains minor concrete fillet work inside the structure to complete. Base pavement along with a drainage system installed at the East Hollis Street structure. All the walls and base slab for the Crown Street drop over structure have been placed. The remaining work includes completing the top slab and roadway restoration. Due to various delays, a request to extend substantial completion from October 31st to December 31st has been submitted to the EPA for their consent.
- **Sludge Dewatering Project.** Wright-Pierce has completed the 100% plan set. Putting out the bid is awaiting a decision by the City on whether this project is funded by an SRF loan. The City is still evaluating how to proceed with an extension of the garage to accommodate the larger sludge-hauling trucks. It is likely that this will be a separate project at a later date.
- **North Generator Exhaust Pipe Project.** Wright-Pierce has recently completed the 100% design of the stack for the north generator. The City has obtained final plans and specs, and this project is currently out for contractor bidding. The bid opening date is set for December 20, 2010. Construction should begin in January 2011. When built, the exhaust stack fumes will exit the building above the roofline, which will minimize the possibility of exhaust fumes from entering the office building.
- **(PHOTO) Sluice Gate at CSO 006.** Structural modifications to the concrete junction chamber are complete. The slide gate on the 108" interceptor and the flow metering equipment have been installed. All field wiring, mechanical connections, and limit switches are being tested the week of Nov. 29. Start up testing and training of City staff will occur during the week of Dec 6. Substantial completion was achieved on Nov. 30.
- **Aeration Blowers and Aeration Tanks – Secondary Clarifiers Upgrades Project.** Woodard & Curran (W&C) has recently completed the blower study and is working on the preliminary plans. The City has selected one manufacturer of aeration blowers for this project based on life-cycle costs and Plant preference. The final aeration blower study has been sent to NHDES for their approval to sole source the aeration blowers.
- **Harbor Avenue Area Sewer Separation.** Continuing to work with property owner on easement for drainage outfall. 90% design to be submitted in December.
- **Miscellaneous Sewerage Improvements 2009, Phase 1.** Park Construction installed the finish pavement on Fletcher Street.
- **(PHOTOS) Miscellaneous Sewerage Improvements 2009, Phase 2.** Merrill Construction has completed the sewer installation on Main, Amherst, Wilder, Holman and Martin/Tolles intersection. The contractor has completed all the base pavement restoration work; however, National Grid is still restoring their gas trench patch on Amherst Street. They have informed the City they will be done by December 6, 2010. The final top coat paving will take place next year on all the streets, and the sewer work on Beech Street will take place next spring.
- **Haines Street Sewer Separation.** Paperwork related to project closure is being completed. Some additional items requested to satisfy the ARRA requirements and are being gathered.

- **(PHOTO) Stormwater Improvements 2010.** Final paving completed on Tomolonis Drive and Tennyson Avenue.
- **Harris Brook at Northeastern Blvd Drainage Improvements.** A meeting is set for December 1 with property owners at 77 and 85 Northeastern Boulevard to review easements needed for the Harris Brook at Northeastern Boulevard Drainage Improvements project. Data loggers continue to record flow fluctuations through the culvert.
- **Rotary Common Phase II.** Phase II plans completed by Louis Berger remain at 75 percent complete.
- **CSO Post Construction Monitoring Plan.** Hazen & Sawyer has submitted the Draft Post Construction Monitoring Plan for review.
- **Storage Facilities for CSO # 003 and # 004.** After six months of repeatedly requesting meetings to discuss the possibility of being granted an easement or license agreement as well as requesting permission to perform geotechnical and hazardous testing, it has become apparent that an agreement will not be reached with PanAm Railways to allow a February 1, 2011 construction start date. On December 2, Fay, Spofford & Thorndike were directed to stop further design so that the City can pursue feasible alternatives. The EPA has been notified and if a feasible alternative location for the storage tank is not possible, they suggest that the City look at sewer separation. They are willing to consider our request for a modification to the consent decree schedule to develop and implement the alternative similar to what was done in the last two years for CSO#5/6.
- **Wet Weather Flow Treatment Facility.** Submittal of Operations and Maintenance Manual and Record Drawings still pending.
- **Sidewalk Program - Lund Road and South Main Street.** Punch list continues to be addressed. Contract to be completed this fall.
- **Sidewalk and Pedestrian Safety Improvements.** Continuing work on East Hollis and C Street pedestrian crossing and Tinker Road crosswalk signage. Roadway work completed, sidewalk and signage work remains.
- **Sidewalk Program - South Main Street Phs 2 and Conant Road Phs 2.** Continued design efforts for sidewalk contract to begin in spring 2011.
- **Sidewalk Program – Main Street Bridge.** Developing median options, researching use of granite for Main Street Bridge.
- **Safe Routes to School.** Revised contract documents for Ledge St. resubmitted to NHDOT for review by Office of Federal Compliance. Working with vendor to modify existing school zone flashing sign with a radar feedback sign for Bicentennial on East Dunstable Road. Created a procurement contract to purchase sign. Need approval from NHDOT to pursue. Working on revised plan for Birch Hill School.
- **FY10 Paving Program.** The contractor is currently working on remaining punch list items.
- **Route 101A Widening.** Engineering is developing an estimate for the final design of Phase I of the project (Widening from Sunapee St. to Blackstone Dr; Signal Upgrading and ROW Acquisition from Somerset Parkway to Celina Ave).
- **Stormwater Utility Feasibility Study.** Discussion continues concerning participation in the Stormwater Utility Development Workshop which will include input from members of the public. Data collection continues.
- **Newton Drive Flooding.** A duck bill type tide gate is proposed for the outfall to prevent a backwater effect from the Nashua River in the low-lying drainage system that serves the Riverside Gardens residential complex. Wastewater will order the tide gate and install unit in catch basin.
- **Hunt Memorial Library Drainage.** Meeting scheduled with Cram & Ferguson to discuss areas where there is overlap between the building improvements project and the water infiltration project overlap. Work continues towards completion of the bid plans and specifications.
- **(PHOTO) Mine Falls Boat Launch.** The design of the boat launch was completed in 2006 as part of the Mines Fall Park Phase III Improvements project. However, due to limitations in funding, the launch was never constructed. Funding is now available so construction is proposed. NHDES Wetlands confirmed the wetlands permit acquired as part of the Mine Falls Park Phase III Improvements will not expire until 9/29/2011. Design plans being reviewed and final construction bid plans and specifications are being completed. Possible lot line relocation is needed to include boat ramp within the limits of Mine Falls Park.

- **(PHOTO) Infiltration/Inflow Removal.** As part of the EPA CSO Consent Order, point discharges identified in the Infiltration/Inflow Analysis Study to contribute excessive inflow to the sanitary sewer system must be removed. A catch basin located at 5 Progress Ave. and a catch basin located at 1 Forest Hills Drive must be disconnected from the sanitary system. A storm drain has been designed to convey runoff from the 5 Progress Ave location to Hale Brook. At 1 Forest Hills Drive, a two chamber leaching system is proposed to be installed. DBU began construction Nov. 29 on these projects.
- **Manchester Street Bridge Replacement Project.** Amendment #3 has been signed and sent to the consultant to resume work. The work will involve producing additional plans prior to holding a public meeting and follow-up meetings with cultural resources agencies.
- **Construction Inspection.** Projects that are being inspected by Engineering include:
 - 125 Pine Hill Road – 360 LF of new 8” sewer main
 - Dick’s Sporting Goods – new private sewer main at Pheasant Lane Mall
 - 7 Coliseum Avenue – new sewer service connection to existing sewer system
 - CSO 005/006 Drop Over Structures
 - 2009 Phase II Sewer Rehabilitation
 - Sidewalk and Pedestrian Safety Improvements
 - City Paving Program
 - Miscellaneous Sewerage Improvements 2009, Phase 1
 - Miscellaneous Sewerage Improvements 2009, Phase 2
 - Gagnon Farms
 - Exit 8 Bus Terminal
 - Dartmouth Hitchcock - Sewer and drain
 - Muldoon Center, Rivier College, drainage
 - Kincaid Lane- water, sewer connections on New Searles Road
 - Lehoullier Subdivision
 - Various sewer connections
- **Street Acceptances.** Smithfield Terrace has been tabled by the Infrastructure Committee because of puddle issues brought to our attention by residents. The contractor for the owner has satisfactorily completed all issues. It is scheduled for street acceptance at the next available Infrastructure Committee meeting. Certain streets presented earlier for approval are being held because of deficiencies that developed. These streets include Sugarberry Drive and Hydrangea Road.
- **Tolles/Courtland Intersection Improvements.** A neighborhood meeting conducted by the Mayor and assisted by members of Engineering was held on October 30. A plan for a combination speed hump and raised crosswalk as a traffic calming measure was presented. There was no consensus from residents on the desire to implement that plan. Several residents expressed their opinion that the intersection’s issue is related to traffic volume. The Mayor indicated that any volume control plans would need to be studied carefully to determine cause and impacts before implementation.
- **Burke St. Guardrail at Arlington St.** Engineering is currently seeking quotes for this guardrail replacement. In the meantime, the Traffic Department has replaced the stop sign at the Arlington St approach with an oversize stop sign and added an advance “Stop Ahead” sign. Engineering and Traffic will continue to monitor and work on plans for improving the safety of the intersection. Staff was subpoenaed to court on the case related to a vehicle crashing into the guardrail but was not called to testify.

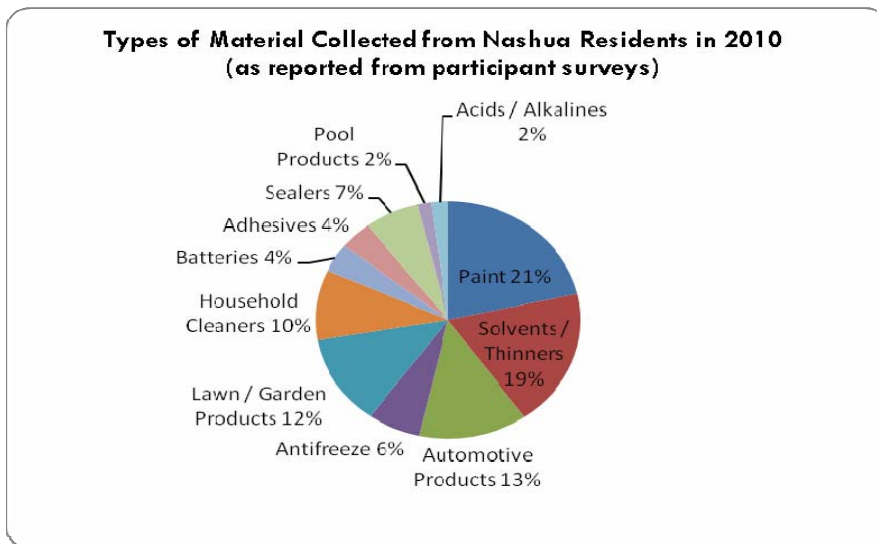
Parks & Recreation Department

- **(PHOTO) Artillery Lane Lights:** The poles have been put in place compliments of Pioneer Tree Service, a small amount of wiring remains.
- **Rotary Pool:** Specifications are being written for resurfacing the pool. A purchase request is expected to go out over the winter for spring construction.
- **Biddy Basketball:** The 2010 / 2011 season is underway. Games have started and all coaching positions are full.
- **(PHOTO) Artillery Lane Building:** The storage building was completed last month. Shelving and a loft will be added over the winter.
- **Holman Stadium Activities:** The stadium has been closed, and winterized for the season.

- **Stellos Stadium:** The annual Thanksgiving Day game was held. A large crowd braved a chilly day to witness the game. The stadium was winterized for the season.
- **(PHOTO) Main Street Holiday Decorations:** Main Street was decorated for the Holidays, and for the Downtown Stroll. This years Holiday Tree was donated by the McGee family.
- **(PHOTO) Arrival of the Hook Truck:** The hook truck was delivered and put into service. The package contained a plow, wing, sander, packer, and flatbed bodies.
- **(PHOTO) Sidewalk Snow Blower Upgrade:** The small loaders snow blower experienced performance problems last year. Through discussions with the manufacturer, they agreed to replace the snow blower with an upgraded unit (\$5,500) at no charge. The upgraded unit was installed and we are waiting to see how it performs.
- **December 4th NYC Holiday Trip:** Two buses headed down to NYC for a day of shopping and sight seeing. The NYC trip continues to be one of our most popular trips.
- **Holman Stadium Schedule for 2011:** After meeting with the Holman Stadium Ad Hoc Committee to review the 2010 results the group had the following recommendations for 2011. To pursue interest in a mid summer college wood bat league, and to pursue up to 4 concerts at the stadium this upcoming year. There have been discussions with concert promoters, and members of the Futures Base Baseball league.
- **Building Asbestos:** 4 pieces of pipe totaling about 12 feet were discovered to have asbestos insulation around them. These pipes were located in the old basement of the office at Greeley Park. An RFP has been sent out to have the pipe removed and disposed of properly. Members of Risk Management were brought in to explain the issue to employees and answer any questions.
- **Labine Building Planning Meeting:** Work continues on a final design based on the information that was obtained from a series of public meetings. Turn out and feed back were good at the meetings.
- **Santa in the park was held this past Saturday:** Many families came to Greeley Park to have pictures taken with Santa

Solid Waste Department

- **Collections** – The pick up of soft yard waste ended for the season on November 27. Residents can still bring soft yard waste to the landfill under a \$5 permit. Soft yard waste collection will resume in early April.
- **CNG Trucks and Station** – Mayor Lozeau, the Superintendents of Solid Waste and Parks & Recreation and the CitiStat Director continue negotiations with bidder AVSG regarding building a CNG station in Nashua.
- **Municipal Recycling-** Municipal recycling bins and recycling carts are currently being distributed to City buildings. Flyers and posters have also been distributed to promote recycling in all City buildings.
- **Nashua Recycling Center** – Shipments from the Nashua Recycling Center during November included 311 tons of single stream recycled materials, 29 tons of electronic waste, 90 tons of scrap metal, 341 tons of C & D, 350 fluorescent lamps, and refrigerants from 484 appliances. In addition, more than 3 tons of textiles, one box of mercury thermostats and more than 1000 gallons of waste oil and 80 gallons of antifreeze were shipped from the Nashua Recycling Center during the month. Thirty-nine recycling bins were given to residents. Four trash carts were given to residents as replacements.
- **Landfill Permits** – The Solid Waste Department has begun selling 2011 landfill permits. Permits are \$5 for Nashua residents and are sold in the scale house.
- **Routing** – The City is currently testing a set of routes provided by Route Smart. We hope to have the routes finalized by the end of January.
- **Recycling-** Recycling containers were provided for an event at Nashua High South and trash and recycling containers were provided for the Holiday stroll.
- **Household Hazardous Waste** – The final collection event for Household Hazardous Waste was held on Nov.6. 478 households from Nashua participated in the 6 events this year, or 35% of the total. Of this number, 30% were first-time users of the program. (See following charts for analysis of Nashua participation).



Street Department

- **(PHOTOS) Prospect Ave.** The reconstruction of Prospect Avenue (west of Main) was wrapped up for winter as the binder coat of asphalt was laid down and catch basins exposed. The 12” sewer main was replaced along with the water main. Two new catch basins and a SMH were also installed. The street will be finished next spring with a topcoat of asphalt and sidewalk/curb repair.
- **(PHOTOS) Pearson Ave / Park Street Parking Lot.** The Street Department excavated, re-graded and paved the parking lot at the aforementioned for the Transit Department. The lot had extensive problems with flooding and cracking.
- **(PHOTO) Broad Street.** The Street Department worked with Pan Am RR to repair the crossing on Broad Street. The old panel rubber slats had lifted and become a hazard. New thinner rubbers were put in place around the more severe areas. The repairs will allow for the winter season with the intent to do a more formal repair next year.
- **New Dunstable Road Sewer Service Repair.** Crews performed an emergency sewer service repair that involved working around a gas service, 24” drain line, and water main. PSNH also assisted by holding a utility pole in place while the excavation and repair were performed.
- **(PHOTOS) Tis’ the Season.** Personnel began dusting off the plows and prepping the equipment for the winter season.
- **Kingston Drive.** Street personnel excavated and repaired a continuous flooding area on Kingston Drive. The flooding due to the contour had compromised a resident’s driveway. Crews reworked the area which now allows for off road drainage to an accompanying easement.
- **Roadside Brush/Traffic Islands** – During the transition time between the end of the construction season and winter, crews go out to clear any site visibility and roadside brush issues. In addition traffic islands are cleaned of weeds and debris.
- **Holiday Stroll.** The Street Department did its part to help make the Holiday Stroll a safe and fun experience for the citizens. Crews were dispatched to clean the sidewalks and sweep Main Street. In addition barrels, cones and barricades were put out in place to close the area off to traffic and keep the area secure.

Traffic Department

- **(PHOTO) Reflectors and Delineators.** The Traffic Department with the assistance of the Police Department and Street Department replaced delineators that were missing or beyond repair along Amherst Street, Broad Street, D.W. Highway and Spit Brook Road.

- **T-Bowl Game.** The Traffic Department set up a variable message board at West Hollis and Panther Drive advertising parking instructions for the annual Thanksgiving Day Football Game.
- **No parking for T-Bowl Game.** The Traffic Department posted temporary “no stadium parking” signs restricting parking on residential streets near Stellos Stadium during the Thanksgiving Day Football game.
- **Snow Emergency Beacons.** With the assistance of the Police and Fire Department radio experts, the snow emergency system can now be activated and deactivated from the office of the Street Departments Superintendent.
- **(PHOTO) West Hollis Street and Kinsley Street Crosswalks.** The Traffic Department completed a thorough review of potential additional crosswalks on West Hollis and Kinsley Street. Following this review four additional crosswalks were painted on West Hollis and Kinsley Street (Chestnut and Kinsley, Ash and West Hollis, Pierce and West Hollis, and Hanover and West Hollis).
- **Sign Inventory Data Collection.** The Traffic Department has been working closely with the UNH Technology Transfer program graduate students in the development of a sign inventory data collection program for the City of Nashua.
- **Ordinances for Traffic Signals and Signs.** The Traffic Department has completed a comprehensive review of the ordinance books’ sections relevant to traffic signals and stop signs. A list has been compiled of signals and stop signs that need to be added, deleted or edited in the ordinance book.
- **(PHOTO) Stellos Stadium Fire Lane Signs.** The Traffic Department recently replaced all of the old, damaged and faded fire lane signs in the vicinity of the Stellos Stadium parking lot. New signs were also added per the direction of the City of Nashua Fire Department and the Nashua Director of Public Works.

Wastewater Department

- **Operations Section:** Preparations completed for winter operations-delineation of parking areas and facility roadways, along with equipment pads. Storing all seasonal equipment under cover. Cleared blockage in grit system screw conveyor. Performing temporary repairs to sludge conveyor drip pans.
- **Maintenance Section:** Replacement of raw sewage pump components-volute and wear ring. Replaced and reprogrammed Panelview for de-chlorination building. Installed reverse switches to Watson St. P.S. pumps to minimize clogging occurrences. Performing preventative maintenance to all auxiliary generators at wastewater pumping stations.
- **Laboratory Section:** Continued updates to charts. Continuing population of HACH database data fields with analysis results. Prepared sampling apparatus in anticipation of wet weather activations, this includes labels, bottles and telescoping tools.
- **Collection Systems Section:** Video inspections to document pipe conditions in anticipation of replacement projects are on-going. Continuing inspections to determine if sink hole/sanitary or storm water relationship. Removal of inlet restrictors is complete, will redeploy in the spring of 2011.
- **Misc.** Continuing data retrieval and consultation with engineering firm for upcoming aeration blower replacement project. Net metering construction awaiting delivery of safety switchgear-anticipated mid December, materials stored in temporary staging area. Contractor pulling conductors and completing terminations.
- Completed review and comment for 95% design documents for upcoming dewatering upgrade, awaiting bid documents.
- Reviewing report submitted by Jordan Institute.
- No recent wet weather activations.
- Two staff members attended the 2010 Fall Residuals Conference in Lowell MA.
- Received training on operation and maintenance of newly constructed sluice gate at CSO
- Four staff received training on confined space entry.