

**Utilities Department Monthly Report
May 2011**

MONTHLY REPORTING

Utilities Administration Division

- Monitoring the budgets for the six divisions within the utility department as well as assisting in the monitoring of the expenditures, submission of requisitions and payment requests for the numerous special projects within the divisions.
- Preparing for year-end inventory processing expenditures, closing-out purchase orders for all six divisions .
- Preparing draw-down requests for special projects while Grant Administrator is out on medical leave.
- Attending demos on the new operating software the city is considering purchasing.

Utilities Services Division

Customer Service Section

- Renewing budget billing.
- Updating files making sure information is current.

Meter Reader Section

- Re-reads 528
- Line Locates 122
- Work Orders 209
- Read in/out 38
- Cut out-non pay 62
- Stopped Meters 0
- Auto read Cycle 10, all meters are changed out but need to cut holes in meter lids before trial run.
- Recovered tools at 198 Montezuma Rt. #24.

Water Meter Size	Total Number of Meters	Total Meter Exchanges	Total Remaining Old Meters	Total Meters Changed This Month
5/8 inch	No Count			19
5/8 x 3/4 inch	5157	4325	607	96
1 inch	143	103	72	2
1 1/2 inch	No Count			
2 inch	189	111	78	0
3 inch	6		6	0
4 inch	10		10	0
6 inch	2		2	0

Waste Water Division

Gas Division

- Gas valve inspection and maintenance is ongoing throughout the city.

- Cathodic protection inspections have been completed on all steel gas lines.
- Atmospheric corrosion monitoring is ongoing.
- Summer youth have been cutting weeds around meter stations on Mullins Dr, Old National Road , and Hot Springs Blvd..
- 700 feet of PVC gas line has been replaced on Romero Street.

Solid Waste Division

- Transport Truck being taken to Council on May 24th
- On May 25th Commercial Trash Can Lids were ordered and shipment was received on May 30th
- A Chipper Vac was purchased and arrived on May 30th this will be utilized for fence line clean up and other projects.
- An Memo of Understanding with the county is being discussed and will be taken to council
- Four wards in four weeks cleanup project
- Paint was secured for Dumpsters
- In the process of ordering a total of two new Packer trucks (one Residential Loader and one Commercial Loader).
- Mulch from the Transfer Station has been cleaned and is now being offered to the public for they're use.
- The Cardboard Baler parts have been ordered.

Accomplishments

- Packer Trucks have been ordered and we will have both trucks within 90 days.
- The Cardboard Baler has been fixed and has been in use
- Since the start of the City hauling its own trash to the Landfill a total of 18 loads have been taken and an excess of \$8,500 have been saved (15 day span).
- Council approved Transport Truck bid was awarded to Roberts Truck Center for \$111,808.
- Memo of Understanding was complete and council approved of the MOU on May 24th
- The Four wards in Four weeks project was completed on May 27th upon completion a total of 85.8 tons were recovered by City staff.

Challenges

- Obtaining the necessary funding for corrective measure at the Transfer Station Facility
- Improving on the Recycling Center at the station.
- Obtaining More Staff for work at Transfer Station and on the field for litter prevention.
- Assuring that all staff follows all Safety rules.

Water Division

Water Conservation Section

Water Conservation Programs	Inventory	Distributed For month	Distributed Year to Date
Low Flow kits	657	17	929
Rain Barrels	275	8	175
High Efficiency Toilets Rebates		2	75
High Efficiency Toilet	9	0	11

- Changed to Stage IV Water Restrictions April 8, 2011
- 1 Letter of violation Stage IV filling of swimming pool
- Updated Lodging letter for Plaza Hotel
- Worked on pricing for Air Port Road project
- Checked all river crossings for water leaks
- Received 12 boxes of water conservation material
- Received 150 Rain Barrels
- Received 500 Home audit kits
- Received 500 low-flow kits

Distribution Section

- Installed 780 feet of 8 inch water main on the east side of Rail Road Ave. Total feet as of 5/10/2010 is 1370 feet.
- Water valve maintenance
- Fixed three water leaks
- Cut pavement on Columbia Ave. for new water main
- Installed one new 3/4 water services
- Renewed seven 3/4 water services
- Rail Road Ave. 8 inch water main 560 feet had to be rerouted for the Grand Ave. Project has been complete. New 8 inch C900 water main is in service.
- Had to reroute 70 feet of 6 inch C900 on West Tilden Ave. for Grand Ave. Drainage Project has been complete.
- Installed Three 4 inch inline isolation valves removed the old 4 inch. on Grand Ave. Tilden, and Seventh street.
- Grand Ave. drainage Project had to drop a 4 inch water main from 4 feet to 6 feet for the new 24 inch drainage system.
- All this rerouting of water mains is part of the New Mexico Department Of Transportation Construction .

Water Treatment Plant

- Gallinas River Water Shortage Sharing Rotation Schedule

- Construction for Diversion Rehabilitation is on schedule
- Purchased of a new 250 4x4 Ford pickup for Water Treatment Plant
- Regular monitoring of water metering, water quality and equipment maintained and water sampling
- Meeting with Environment Department State Engineers Dam inspectors and ditch master Luis
- Meeting with State Engineer on allowing city to take 1 cfs at all times off the Gallinas River
- Consumer Confident Reports completed and approved
- Level transducer at cabin site tank replaced

Operation Status as of 5/31/2011

Surface Water Diversion

Approved Diversion: 2754.27 AF

YTD Diversion: 975.968 AF

Remaining Balance: 1778.302 AF

Ground Water Pumping

YTD Taylor Wells #4: 180.343 AF

Storage

Total Storage: 1022.64 AF

Amount in Storage: 723.208 AF

Available Storage: 299.432 AF

Percent Full: 71.7%

Water at Storrie Lake

Amount in Storage: N/A AF

IMPROVEMENT PLANS

Utilities Administration Improvement Plan

PROJECT/CONCERN	IMPROVEMENT PLAN	PROGRESS
Develop Utility Rates based on cost of service Methodology	Hire a firm to perform rate study to ensure adequate funding for utility Operations and Capital improve.	Orientation Workshop 11/16-19 th , Financial Plan Workshop completed Rate Design Workshop Completed
Staffing/Cross- Training in Utility Department	Fill Vacant positions to have a full staff. Cross train staff in different areas to ensure coverage of all positions	Presently we are training a new inventory clerk
Some Service & Material Agreements not current.	Develop R. F. P.'s	On Going
Improve Critical Spare Parts Inventory	Work with Purchasing Officer to identify spare parts needed	The Purchasing Officer is currently working with supervisors to improve the critical spare parts inventory. This will be on going
Complete inventory of chemicals and MSDS Sheets	Work with Purchasing Officer to complete inventory MSDS Sheets	Work assignment given on 01/15/2010 deadline is 03/01/2010
Asset Management Plan	Work with the four Divisions to establish a committee to work with and implement the Asset Management Plan	Work assignment given Nov. 2010 Deadline 12/31/10

Customer Service Improvement Plan

PROJECT/CONCERN	IMPROVEMENT PLAN	PROGRESS
Customer service clerk	Hiring a customer service clerk & cashier.	Had interviews on 06/03/11. Recommendations to council on June 15, 2011.
Explanation of utility bill	Making sure customer service can explain utility bill.	Customer service can explain the breakdown of a bill.

Water leaks	Notify customers as soon as leak is detected.	Working with customers on water leaks by detecting through consumption.
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Meter Reader Improvement Plans

PROJECT/CONCERN	IMPROVEMENT PLAN	PROGRESS
Old Water Meters	Change out old outdated water meters	All 1989 or older meters are done. Now changing 1990 through 1995.

Waste Water Improvement Plans

PROJECT/CONCERN	IMPROVEMENT PLAN	PROGRESS
Install effluent reuse lines	Expand reuse system to Rodriguez Park.	Water Distribution Dept. will complete this project by end of 2011.
Re-use system expansion	Expand system to increase availability of re-use water to additional city parks and irrigation users.	PER Fee and agreement under negotiation, state funding Frozen.
Air handling issues at WWTP for aeration basins	Work with engineers on constructive solutions to this issue.	Waiting for quotes to finalize review of their responses.
Cinder Road, sewer and effluent lines	Install new 15" sewer collection pipe to be able to lift moratorium. Engineering and Design is 100% complete. pipe and materials ordered utilizing \$200,000 WTB Grant and \$50,000 loan. Updated uniform funding application re-submitted to water trust board for the sewer main for the requested amount of \$750,000.	Will Commence installation of 15" sewer main and 12" reclaimed water line on 5/4/11 along with two sanitary sewer mains. County signed off on crossing permits.
Solids handling issues at WWTP for aerobic digestors	Work with engineers on constructive solutions to this problem.	waiting for quotes to finalize review of their responses.

Camp Luna sewer line replacements due certain undersized lines	Lines in certain areas are undersized and over capacitated.	Seeking Easement Access
West side sewer line replacements	Replace undersized and over capacitated sewer mains	I.C.I.P./ Updated uniform funding application re - submitted to Water Trust Board for sewer main upgrades in the requested amount of \$2,750,000 on February 24, 2011
State road 65 sewer replacement project North of medical center.	Replace 400feet of six inch VCP pipe with 8" PVC pipe and new ring and covers on existing manholes.	Completed.

Gas Improvement Plans

PROJECT/CONCERN	IMPROVEMENT PLAN	PROGRESS
Old PVC gas line that needs to be replaced.	Replace old line with new line and relocate gas services.	700 feet of 2"PVC and 5 service risers have been replaced on Romero St.
Residential meter replacement project	Replacing 1989 and older gas meters with new R275 gas meters.	280 Gas Meters have been replaced. 20 more needed to complete.

Solid Waste Improvement Plans

PROJECT/CONCERN	IMPROVEMENT PLAN	PROGRESS
Vehicle Maintenance Improvement	Establish a 3 month Maintenance of Trucks	3 month plan has begun for each truck
Litter Control at Transfer Station	Daily walk through and pick up on the grounds	Showing significant progress along fence lines and front of property
Improve Recycling	Educate schools and involve public	Setting up meetings with staff for possible E-Waste weekend

Water Conservation Improvement Plans

PROJECT/CONCERN	IMPROVEMENT PLAN	PROGRESS
Conservation Ordinance Violators	Monitor watering, car washing, etc.	On-going
Fine Tuning of Water Conservation Ordinance	Solicit suggestions for improvements to Water Conservation ordinance	Meet with Utility committee for suggestions

Water Distribution Improvement Plans

PROJECT/CONCERN	IMPROVEMENT PLAN	PROGRESS
Distribution System modeling & mapping	Hire engineering firm to perform modeling and mapping. Obtain information from Molzen	Lack of Internal Capacity
Reuse water (Effluent) line extension	Extend the effluent reuse water to Plaza Park. Phase 1 River walk 980ft. installed 380 ft. 25 percent Complete	Started on 2/24/2011 Estimated date Complete. Complete
Distribution System Line Replacement	Replace leaky, small diameter, aged or add lines to loop system	Engineering Analysis, Scheduling
Distribution System Leak Detection Program	Work with OSE under grant to develop program. Results used to prioritize replacements.	Have detected 5 leaks. Relocated leak detection loggers. Have all 100 loggers installed on water valves.
Reuse Water (Effluent) Line Extension	Extend the effluent reuse Water to Plaza Park. Phase 2 Moreno st. From Escuelas to South Gonzales. 680 ft. Installed 460 ft. 75 percent Complete.	Started On 1/10/2011 Estimated date complete 3/24/2011

Water Supply Improvement Plans

PROJECT/CONCERN	IMPROVEMENT PLAN	PROGRESS
Replace PLC at RAW Water Building	For flow control at cabin site tank and chemical pump feed rate for treated water	Alpha Southwest is in the process of ordering and programming

Structural of repair of Filter Building on Northeast side	Under review consulting with Molson and Corbin	Doug from Molson at water treatment for reviewing
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CAPITAL PROJECTS

Waste Water Capital Project

PROJECT	STATUS	START DATE	COMPLETION DATE
Working with Engineer and Community Development Staff for emergency CDBG Grant for sludge centrifuge.	Grant request submitted- ICIP and budget 2011. Awaiting approval from DFA.	July 26, 2010	Working with Engineer and Community Development Staff for emergency CDBG Grant for sludge centrifuge.
Camp Luna- replace under sized sewer mains.	Need to work with county and residents for access do to encroachment on easements.	September 30, 2010	Camp Luna- replace under sized sewer mains.
Installation of 330 feet of 8 inch PVC pipe and six new sewer service taps.	Has been scheduled for third week of March 2011.	March 14, 2011	Installation of 330 feet of 8 inch PVC pipe and six new sewer service taps.
Air handling issues at WWTP for aeration processes-sludge handling issues and covering of entrance works.	Going out for quotes from engineering firms	December 14, 2010	Air handling issues at WWTP for aeration processes-sludge handling issues and covering of entrance works.
NPDES NM0028827 renewal	Assigned task order to Souder Miller and Associates engineering for preparation and completion of this permit.	September 23, 2010	NPDES NM0028827 renewal
Reclaimed water pipe and material bid for Cinder Road Project	County public works signed off on crossing permits so that we could commence this project.	January 2011	Reclaimed water pipe and material bid for Cinder Road Project
Industrial Storm Water Pollution Prevention Plan for WWTP.	Assigned task order to Molzen-Corbin engineering for preparation and completion of this EPA mandated Plan.	SWPP completed and NOI sent to EPA for approval- received response	Industrial Storm Water Pollution Prevention Plan for WWTP.

		from EPA for more Info. on 12-29-10.	
State police building KFUN	Final cost from contractor in for review by Molzen Corbin to move forward with finalizing the needed extension agreements. Need final DOT easements .	City wants 12” sewer and water lines installed for this project for future expansion of city utilities. City to pay the difference in pipe costs from 8” to 12”.	State police building KFUN
Service truck For waste water department with utility bed and crane.	Waste water will budget vehicle in 2011/ 2012 budget.	Will be getting the final state contract costs for this truck	Service truck For waste water department with utility bed and crane.
Working with Engineer and Community Development Staff for emergency CDBG Grant for sludge centrifuge.	Grant request submitted- ICIP and budget 2011. Awaiting approval from DFA.	July 26, 2010	Working with Engineer and Community Development Staff for emergency CDBG Grant for sludge centrifuge.

Gas Capital Projects

PROJECT COMPLETION	STATUS	START DATE	

Solid Waste Capital Projects

PROJECT COMPLETION	STATUS	START DATE	
Transfer Station Renovations	Renovations have started and are going as scheduled	March 17, 2011	July 11, 2011
Landfill Closure	Preliminary Engineering report	April 2011	
Refuse Trucks Purchase	Council negated bid for rush and awarded bid to Pend Pac	March 16, 2011	
Transport Trailer	Council approved bid to MCT of Albuquerque for \$78,925	April 5, 2011	
Transport Truck	Council approved bid to Roberts Truck Center for \$111,808	May 18, 2011	

Water Distribution Capital Projects

PROJECT COMPLETION	STATUS	START DATE	
12 Inch Effluent Water Moreno project Phase 1	The new 12 in Effluent water Pipe phase one 980 feet. 25 per	2/24/2011	3/11/2011 complete
Meter Replacement	Started on 2" water meters from 1989 to 1990 38 meters have replaced seventeen 2" meters	12/1/2009	On going
12 inch Effluent Water Moreno phase 2	The new 12in Effluent water pipe Phase two 680. 75 percent complete		
Cinder Road Effluent water	Install 12 inch Effluent water main 8641 feet from Mills ave. up Cinder Road.	5/9/2011	8/30/2011 Estimated

Water Supply Capital Projects

PROJECT COMPLETION	STATUS	START DATE	
Peterson Dam Leaks	Under Souder Miller Consulting		
Distribution System – High Trihalomethanes. Problem is system wide and is the result of elevated summer TOC, increased temperature, low demand, inadequate system looping, and lack of periodic flushing.	Completed map and profile. It has been determined that this is a system wide problem. Efforts are in progress to modify disinfection practices and optimize Alum feed rates to minimize the problem. Distribution is in the process of identifying broken valves and eliminating dead ends. Operations will seek engineering solutions/recommendations for		

	alternative disinfection/treatment at the water treatment facility pending PER completion.		
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Project Updates from Engineers

Molzen, Corbin & Associates

A. On-Going Task Orders

1. **Taylor Well No. 2 (No. 3)**

- The final design was submitted to the City and the NMED on March 22, 2011
- NMED-CPB approved project on March 24, 2011.
- Site Certificate was submitted to NMED and NMFA on March 31, 2011
- NMED-DWB approval is pending.
- Construction Phase Services, Construction Observation (Surface Features) and Construction Observation (Well) to be provided later.
- The project was funded by the WTB June 1, 2011.
- The project is scheduled to advertise on June 15, 2011 and the bid opening is scheduled for July 13, 2011

2. **Water System Hydraulic Model (No. 4)**

- The water model is 90% complete
- The draft model was submitted to the City for review on April 26, 2011.
- We had a meeting with the City to review the existing water system and the proposed improvements on June 1, 2011.
- The following information from the City is pending:
 1. Pressure reading on inlet pipe to the Luna Tank.
 2. Verify the existence of the PRV on El Llano Road.
 3. Verify the closed valves on Rio Arriba.
 4. New static pressure readings.
 5. New PRV pressure readings.

2. **Finished Water PER (No. 5)**

The Draft PER was submitted to the City for review on April 26, 2011. We request a meeting with City to review the Draft PER and the proposed improvements.

Water Treatment Plant

The existing water treatment plant has been evaluated for existing operational issues that need to be addressed as well as long-term improvements.

The existing operational issues are well known, but are being further defined and clarified in this PER so the City can obtain funding for the improvements. These improvements must be made in order for the City to continue to operate the treatment plant.

The recommendations regarding the WTP in the PER are as follows:

Priority 1 Improvements:

- Reduce TTHMs and HAA5 to safely meet drinking water standards and improve taste and odor problems:
 - Add an oxidation process upstream of the pretreatment facility such as ozone, ultraviolet light, and/or hydrogen peroxide to reduce the organic precursors of disinfection byproducts

- Install a building cover over the pretreatment facility to minimize algae growth in the basin
- Improve operation and maintenance of plant:
 - Install roof over the existing alum storage and containment tanks located adjacent to the Raw Water Pump Station to protect them from sun and rain.
 - Reroof the filter building to protect the equipment inside the building from water damage.
 - Repair cracks in masonry walls of the filter building to seal the building from outside drafts and protect the masonry from further damage.
 - Add three additional outlet drains in the concrete sludge lagoon to reduce the amount of sediment that clings to the slope of the lagoon.
 - Add raw water pipe to feed into the top of Bradner Reservoir to improve water quality by reducing stagnant zones in the reservoir that now exist with a single inlet/outlet pipe in the bottom.

Priority 2 Improvements:

- Facility modifications to increase capacity assuming current source water

Priority 3 Improvements:

- Facility modifications to address variations in surface water quality

Finished Water Distribution System

The finished water distribution system consists of the waterlines throughout the City of Las Vegas. Similar to the Water Treatment Plant, the improvements required to the distribution system have been presented as a prioritized list of what the City must do in order to address known issues with the existing distribution system.

The draft water model was submitted to the City for review and comment on April 26, 2011.

The improvements that have recommended are as follows:

- Upsize lines based on results of the water model.
- Loop dead end lines to improve water quality, water pressure and fire protection.
- Address lines that need to be replaced based on input from City staff.
- Leak detection (on-going implementation of existing program and possible recommendation for additional leak detection).

Finished Water Storage

The engineering analysis, which uses peak day demand and population projections for the planning period of the project, indicates that no additional storage will be required to meet 2050 storage requirements. A new water tank will be required at the Airport to supply the proposed booster pump building as presented in the Draft PER.

It has been recommended in the Draft PER that the three existing storage tanks be inspected and rehabilitated.

Effluent Reuse

The effluent reuse evaluation has included the evaluation of many concepts for usage of effluent. Essentially, in order for an effluent reuse option to be beneficial to the City, the reuse must either replace a current potable use or result in an exchange with a current user(s) of potable water who is willing to use effluent rather than existing potable water.

The final report regarding the quantity of effluent available for reuse throughout the study period was provided on January 19, 2011.

The evaluation matrix created to help the City evaluate the effluent reuse options was presented at the public hearing and in the draft PER to outline the many effluent reuse options that were considered during the evaluation.

An additional option that could be considered is obtaining a second NPDES permit to discharge effluent upstream from the existing discharge location, but downstream of the City's diversion from the Gallinas River. The thought is this would possibly allow the City to divert more water from the Gallinas since the downstream users would have water to divert from the river that is currently not available with the City's existing diversion and discharge locations. It is essentially a "water swap" with the acequias that would allow the acequias to continue to divert from the Gallinas.

Based on input from the City staff and others, the recommendations in the Draft PER include the following short term and long term improvements:

Short Term:

- Expand existing system to irrigate more City parks and ball fields.
- Construct facilities to get the effluent from Cinder Road up to and back down from Camp Luna.
 - Allows for expanded reuse to maximize what is available on a daily basis and minimizes the reliance on the pumping equipment at the WWTP.
 - Would result in discharge of entire 0.6 MGD in winter.

Long Term:

- Pump excess reuse to Storrie Lake (waiting for City-coordinated meeting with Storrie Lake Board of Directors to determine if it will be recommended). The cost for water quality analyses that would define characteristics, including basic pharmaceuticals, is very high and has not approved by the City.
- Discharge effluent upstream of existing discharge location to provide water in river for users downstream of City's Gallinas diversion location (evaluation underway)

Groundwater Evaluation

The Draft PER focused on how to incorporate the new ground water recommendations from Daniel B. Stephen's report into the existing water system, including physical improvements to get the water into town and treatment required for any of the new sources of water.

4. Storrie Lake Conveyance System Report (No. 6a and 6c)

- We met with City Staff on September 14, 2010 to discuss the conveyance system and to review draft material prepared for a Public Scoping Meeting.
- Based on recommendations by the City at the September 14, 2010 meeting a meeting was held with the Storrie Lake Users Association on October 13, 2010.
- It was decided in this meeting to revise the scope of work to only evaluate the following three alternatives:
 1. New gravity pipe to replace open channel.
 2. Pump-assisted system to convey low flows by gravity and higher flows with pump.
 3. Concrete lining of channel.

- A Draft of the Evaluation was provided to the City in January 2011
- Cost for Alternative 1 was \$9.7M, Alternative 2 was eliminated due to large horsepower requirement, and Alternative 3 cost \$15.2M.
- A meeting was held on April 12, 2011 and April 21, 2011 with the City, Storrie Lake, State Game and Fish and U.S. Fish and Wildlife. The City requested that we revised the

- construction estimate for Alternative No. 1 to include the lining/repair of the tunnel, the two siphons and install a buried pipe from Bentley Lake to McAllister along NM281.
- Storrie Lake is considering the cost to City for additional storage at Storrie Lake.

5. Cinder Road Sewer System Improvements (No. 7)

- The scope of work is to extend a 15” sewer line along Cinder Road and through the memorial Middle School to Old National Road and extend a 12” effluent line from Mills Ave. to El Camino Road.
- The 15” sewer line is intended to eliminate the over load condition of the existing sewer line that was identified in Task Order No. 1.
- The 12” effluent line is intended to initially irrigate the middle school and baseball fields across the street and eventually be extended to Camp Luna and potentially Storrie Lake.
- The final design was submitted to the City and NMED on April 6, 2010.
- NMED approved the plans and specifications on April 21, 2010.
- The sewer portion of the project is on hold pending funding.
- The City received WTB funds to purchase the materials and install the effluent line portion of the project.
- The City requested that Molzen Corbin proceed with identifying the property needed for the booster pump building and tank on Cinder Road.
- We met with the City and two potential property owners to begin the discussion.
- The easement required for the 15” gravity sewer through the Memorial Middle School also needs to be secured.
- The City requested that Molzen Corbin assist with the Utility Permits for San Miguel County to install the utilities that cross the new bike path.
- We submitted them to the City on February 22, 2011 and the City submitted them to the County for review and approval.
- On March 31, 2011 San Miguel County requested that additional language be included on all seven (7) permit application forms.
- We understand that the City has received the approved permits from San Miguel County and that the City started installing the utilities that are affected by the new bike path.
- On May 19, 2011 the City requested that we assist with the procurement of a contractor to complete the remainder of work associated with in the area of the Palo Verde lift station.
- We met with the City and the Storrie Lake Contractor (H.O. Construction) on June 1, 2011 and the City requested a cost proposal for the work that will be a Change Order to the existing Storrie Lake project.
- H.O. Construction provided a cost proposal and schedule on June 3, 2011

6. KFUN/State Police Station Water and Sewer Extension (No. 8)

- The State is constructing a new State Police Building east of the Interstate and south of the University exit.
- We assisted the City with evaluating the proposed design of the extension of the City water and sewer lines to service the building and future development east of the interstate.
- We received a copy of the NMDOT permits May 15, 2011 for the utilities to include in the Draft Line Extension Agreement.
- A draft of the agreement was submitted to the City on May 17, 2011.
- We are waiting on new/updated utility construction costs from the Contractor in order to provide a new draft of the agreement to the City.

7. Rodriguez Park Effluent Re-use (No. 9)

- The final design was submitted to the City and NMED on April 19, 2011.
- The project was approved by NMED on May 3, 2011
- The project was funded by the WTB on June 1, 2011

- The project is scheduled to advertise on June 15, 2011 and the bid opening is scheduled for July 13, 2011

8. Storrie Lake Inlet Piping Crossing Repairs (No. 14)

- Construction began on March 21, 2011
- The Substantial Completion Inspection was held on April 26, 2011.
- The project is complete.

9. Gallinas River Effluent Line Crossing (No. 20)

- The scope of this project consists of the construction of new 12" DIP effluent line encased in concrete across the Gallinas River at Moreno Street.
- Construction began on March 21, 2011
- The project is approximately 90% complete.
- The Contractor had difficulty controlling the groundwater so they hired a subcontractor to complete the work.
- The Contract time expired on April 19, 2011.
- The Subcontractor is now having difficulty with the pressure test and is scheduled to resume construction on June 6, 2011.

11. Entrance Works Enclosure (No. 23)

- The scope of this project consists of enclosing the entrance works with a series of panels, windows and roll up doors.
- The City approved the Task Order for the design on March 18, 2011.
- The preliminary plans were submitted to the City on April 26, 2011.
- We received the City comments on April 26, 2011.
- We discussed the City comments on April 28, 2011 and we will submit the final plans and specifications to the City by June 10, 2011

12. New Mexico Effluent Line Crossing (No. 24)

- The scope of this project consists of the construction of new 12" DIP effluent line along New Mexico Avenue from Moreno Street to Grant Street.
- The City received a permit from the NMDOT on March 10, 2011.
- The City approved the Task Order for the design on April 14, 2011.
- The preliminary plans were submitted to the City on April 26, 2011
- We received the comments from the City.
- The project is scheduled to advertise on June 15, 2011 and the bid opening is scheduled for July 13, 2011

B. Pending Task Orders

1. Taylor Well No. 5 (No. 16)

- The City would like to place this well back into service
- Molzen Corbin performed site visit to prepare scope of work on November 2, 2010
- Molzen Corbin provided Task Order to City on December 7, 2010

2. North Grand Avenue Waterline Improvements (No. 17)

- City would like to loop four dead end lines in the vicinity of City Hall and the Hospital
- These lines have been identified in the draft water model.
- Molzen Corbin provided Task Order to City on December 7, 2010

3. Luna Tank and Cabin Site Tanks (No. 18)

- The scope of this project consists of the draining, cleaning, repainting and possible structural improvements to the 2.5 million gallon Luna Tank and the 5.0 million gallon Cabin Site Tank. Modify yard piping at the Luna Tank to allow the existing booster pump building to be removed from service. The existing high service pump (red pump) will remain in service.
- We recommend the following tasks be performed by the City during the preliminary design phase:

1. Test for lead base paint on both tanks (inside and outside)
2. Inspect interior of both tanks to determine the following:
 - a. Quantity and type of debris.
 - b. The extent of structural improvements that may be needed
 - c. The condition of the cathodic protection system
3. Isolate the Cabin Site Tank and perform a trial water system operation using the clear well pumps at the Water Treatment Plant to simulate the daytime and nighttime operation for two days.
4. Perform pressure test at Luna Tank.

- Molzen Corbin provided Task Order to City on December 7, 2010

5. Cover over the WTP Pretreatment Facility (No. 19)

- The scope of work consists of the construction of a metal structure cover over the existing pre-treatment facility at the Water Treatment Plant.
- The purpose of the project is to reduce the amount of sunlight to the water surface
- The cover will be a pre-manufactured cover mounted to the top of the existing walls
- The west and south walls will be screened to reduce evening sunlight and improve security.
- Molzen Corbin provided Task Order to City on December 7, 2010

5. Storrie Lake Conveyance System Environmental Information Document (No. 6c)

- Based on the meetings with the City and Storrie Lake, this work will not be performed and will be removed from the Status Report.

6. Septage Management Technical Assistance (No. 12)

- A public meeting held on June 29, 2010.
- Molzen Corbin provided a Task Order on July 1, 2010.

7. WWTP Sludge Handling Modifications (No. 21)

- Molzen Corbin provided a Task Order on January 11, 2011.

8. WWTP Aeration System Modifications (No. 22)

- Molzen Corbin provided a Task Order on January 11, 2011.

C. Completed Task Orders

1. Old National Road Sewer Evaluation (No. 1)
2. West Las Vegas Middle School Sewer Evaluation (No. 2)
3. Storrie Lake Conveyance System Aerial Photography (No. 6b)
4. Camp Luna Elevated Tank Painting (No. 10)
5. Taylor Well No. 2 Design (No. 3)
6. Storrie Lake Inlet Piping Crossing Repairs (No. 14)
8. SWPPP at WWTP (No. 15)

Souder Miller & Associates

On-Going Task Orders (Contract 1981-09)

1. Peterson Pump Back Project (TO3)

- Planning Phase: all work has been completed on this phase.
- Design phase: SMA submitted 100% plans and specs on 11/29/11
- PNM Service Application: Application was submitted to PNM on 12/29/11. PNM is preparing service contract for the City's review. Contract and cost for extending PNM power to pump back site will be submitted to City on 3/15/11.
- Construction Phase: Not started yet, pending 404 permit approvals. SMA will prepare bid phase and construction observation amendment for construction phase
- ACOE 404 Permit: At the direction of Ken Garcia, SMA is to determine another set of alternatives for presentation to city staff and city council. Specific areas that were discussed include the upper reach of the Gallinas (above the areas previously discussed) and wetlands area near City Hall. SMA submitted a 404 permit application on 4/25/2011 for review by the City. SMA has also submitted Amendment No. 1 for approval by the City to complete this work. In addition, SMA submitted a man-hour report for work done on the 404 permit to Ken on 5/3/2011 to justify amendment.

Mid-Term Operating Permit Review (TO4)

- Submitted review on 2/10/2011
- City's comments were received on 3/4/2011
- Comments incorporated and final review to be submitted to City on 6/10/11

2. Landfill Monitoring (TO5)

- Work completed for 2010

3. Las Vegas Preliminary Engineering Report (TO6)

- On 4/15/11, Molzen-Corbin (MC) posted their technical report on the ftp site.
- On 4/26/2011, MC posted a revised report based on Mustafa's review of water rights and comments.
- DBS submitted their draft technical report on 4/28/2011
- WHP submitted their draft technical report on 5/13/2011
- Mustafa and the City Attorney had comments on all three reports. MC and DBS have incorporated the comments into their respective reports. WHP has stated they will not finalize their report until they have the city's comments although they do have Mustafa's and the City Attorney's comments.
- Integrated Preliminary Engineering Report: After review of the technical reports, SMA has incorporated the consultants recommended alternatives into a draft composite preliminary engineering report to be presented to the City and other agencies for review. However, SMA is currently reviewing the report to phase and prioritize the alternatives. In our opinion, there is an issue on how to prioritize the alternatives relating to providing a sustainable integrated surface water and groundwater supply to maintain the water system at all times during drought events. SMA is to schedule a meeting w/ the consultants to discuss the issue since it may affect final priorities and phasing.

4. NPDES Renewal Permit (TO7)

- NPDES Permit Renewal efforts was completed in January 2011

- City asked to sample for Asbestos by EPA. Sampling was completed on 5/3/2011 and sent to Hall Environmental for testing. Analytical results will be submitted to EPA. Results received from Hall on 6/7/11, will be submitted to EPA.
- 5. Corrective Measures and Closure Preliminary Design (TO8)**
- Preliminary Design: Preliminary design was completed on April 29, 2011 and submitted to City for review.
- 6. Groundwater and Methane Monitoring (TO9)**
- SMA has scheduled the second groundwater and methane monitoring event for the week of September 1st and possible the week of September 7, 2011 depending on field staff schedule.
- 7. Corrective Measures and Closure Final Design (TO10)**
- Final Design: Final design task order was submitted to City on 3/18/2011 for review
 - Review was completed on 3/28/2011 and will be submitted to City Council for final approval.
 - SMA is in the process of scheduling meetings with the NM Property Control Division to gain access to state land (both property transfer and easement), which was requested by the City of Las Vegas.