

**2009 ANNUAL REPORT**  
**for**  
**WASTEWATER DEPARTMENT**

**MAJOR AREAS OF RESPONSIBILITY**

- A. The Treatment Division operates the James R. Dilorio Water Reclamation Facility (WRF) and is responsible for compliance with the 1972 Clean Water Act (as amended) through operation and maintenance of the City's High Rate Trickling Filter/Activated Sludge Treatment Plant, which has the capacity to treat 19 million gallons per day (MGD) of municipal wastewater. The WRF laboratory constantly tests and monitors the plant's performance as well as constituents related to discharge requirements and river standards. Biosolids from the plant are anaerobically digested for disposal at an approved sanitary landfill.
- B. The Wastewater Collection Division maintains the sanitary sewer collection mains, including cleaning, rooting, televising, sealing, repairing, and constructing sewer mains and manholes. Wastewater Collection is also responsible for operating and maintaining eight pumping stations. Wastewater Collection maintains a standby crew on call 24 hours a day to respond to emergency blockages, and a separate standby crew, also on call 24 hours a day, to respond to problems at lift stations.
- C. Wastewater Administration is responsible for the administration of the Wastewater Department, including Federal, State, and local regulatory requirements and functions, budget management, and communication with the City Manager and the public.
- D. The Engineering Division provides four major functions:
- Reviewing new subdivision plans, sanitary sewer master plans, and annexations, and monitoring the City's sanitary sewer capacity;
  - Evaluating and prioritizing sewer system rehabilitation projects on an annual basis;
  - Maintaining a computerized record of the City's sanitary sewer collection system, including physical data, capacities, and existing flows, as well as reviews and signs-off on all excavation and building permits.
  - Inspecting all new and rehabilitated sanitary sewer mains for proper installation.
- E. The Pretreatment Division is responsible for enforcing the City's EPA-approved Pretreatment Program including inspecting, sampling and monitoring several industries, and regulating wastes discharged to the sewer system. The Pretreatment Division documents and coordinates the Sewer User and High Strength billing accounts.
- F. The City's WRF receives wastewater from the Blende Sanitation District via an outfall line to the plant. Blende receives additional wastewater from the St. Charles Mesa Sanitation District and the Salt Creek Sanitation District and conveys it to the City's plant. The Districts are obligated to conform to the City's Sewer User and Pretreatment Ordinances under the provisions of an intergovernmental agreement which is administered by the City's Wastewater Department.
- G. Wastewater from the Airport and Industrial Park is conveyed to the City's wastewater treatment plant through a series of gravity lines, force mains and pumping stations. The Wastewater Collection staff operates and maintains the Airport sewer system and monitors the flows.

## NUMBER OF EMPLOYEES -

A.	Water Reclamation Facility	20	Full-time
B.	Wastewater Collection	16	Full-time
C.	Wastewater Administration, Engineering and Pretreatment Staff	9	Full-time
D.	Part-time and Temporary	3	
		<hr/>	
	<b>Total</b>	<b>51.5</b>	

## WASTEWATER ACCOUNTS - (As of 12-31-09)

A.	Residential	35,472
B.	Commercial	2,065
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	<b>Total</b>	<b>37,537</b>

Number of Adjustments to Sewer User Accounts	373
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## PRETREATMENT (EPA) REGULATED INDUSTRIES

A.	Significant Industrial Users (SIU)	3
B.	Categorical Industries	3
C.	Permitted Industries	0
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	<b>Total</b>	<b>6</b>

## INFRASTRUCTURE STATISTICS - (As of 12-31-09)

### WASTEWATER TREATMENT -

A. Total Gallons of Wastewater Treated (Average Daily Flow)	3,856,225,000 gallons (10,565,000) g.p.d.
B. Total Blende Wastewater Treated (1.04%) (Average Daily Flow)	40,560,000 gallons (111,123) g.p.d.
C. Total AIP Wastewater Treated (0.71%) (Average Daily Flow)	18,567,700 gallons (50,870,411) g.p.d.
D. Total Septage Waste Treated (0.07%)	5,504,108 gallons
E. Total Dry Tons Biosolids Produced	1,059 tons
F. Total Dry Tons of Biosolids Applied for Beneficial Reuse	0 tons
G. Total Dry Tons of Biosolids Disposed of at Landfill	1,058 tons
H. Solid Waste Disposed of at Landfill	4,208 cubic yards

### WASTEWATER COLLECTION – (As of 12-31-09)

A. Total Linear Footage of Public Sewer Mains (Sizes 4" thru 81" diameter)	2,471,396.28 lin.ft. (468.07) miles
B. Total Donated Footage of Sanitary Sewer Mains	20,093.23 lin. ft. (3.81) miles
C. Total Number of Public Sewer Manholes	8,507 manholes
D. Total Number of Donated Sewer Manholes	84 manholes
E. Number of Sewer Pumping Stations	8 stations
F. Total Footage of Sewer Lines Hydro-Cleaned	1,613,727.30 lin.ft. (305.63) miles
G. Total Footage of Sewer Lines Mechanically Rodded	0 lin. ft. (0) miles
H. Total Footage Hydro-Rooted	66,552.78 lin. ft. 12.60 miles
I. Total Footage of Sewer Lines Televised	205,645.12 lin.ft. 38.95 miles

## Wastewater Collection (Cont'd.)

J.	Total footage of chemical rooting	0 lin.ft. (0) miles
K.	Total Number of Sewer Calls	395
L.	Total number of Sewer Calls (during working hours)	298
M.	Total number of Sewer Calls (after hours)	97
N.	Number of total blockages in City Sewer Mains	31
O.	Number of Actual Back-ups into structures	12
P.	Number of Wastewater overflows	9
Q.	Number of overflows that entered Waters of the State	0
R.	Number of New Connections - City	80
S.	Number of New Connections - AIP	0

## CAPITAL CONSTRUCTION PROJECTS

The following projects were either started or completed in 2009:

	PROJECT	DESCRIPTION	COST
1.	Sanitary sewer rehabilitation	Remove and replace damaged or defective sanitary sewer main lines, manholes, and related structures	\$ 1,135,138.89
2.	Trenchless sanitary sewer rehabilitation	Place liner material inside damaged or defective sanitary sewer mail lines and related structures	\$ 435,274.50
3.	Emergency Sanitary Sewer repair	Emergency repair of failed sanitary sewer mains and new manholes at eleven locations throughout the City	\$ 472,857.95
4.	Airport Industrial Park Force Main Valves	Install isolation valves to allow sewer main cleaning and replace corroded air/vacuum valves	\$ 315,900.00
		<b>Sewer Repair Subtotal</b>	<b>\$ 2,359,171.34</b>
5.	Water Reclamation Facility Grease Skimmer	Construct a grease skimmer to facilitate grease removal at the headworks	\$ 18,303.00
6.	Water Reclamation Facility boiler installation	Install a new boiler to improve heating at the Water Reclamation Facility	\$ 141,015.00
		<b>Water Reclamation Facility Subtotal</b>	<b>\$ 159,318.00</b>
		<b>CAPITAL PROJECT TOTAL</b>	<b>\$ 2,518,489.34</b>

The Wastewater Department spent \$2,359,171.34 on sanitary sewer repair in 2009. Of this total, \$122,182.05 (26 percent) of sanitary sewer project costs went for surface improvements (asphalt replacement or pavement impact fees, curb and gutter replacement, constructing new ADA-compliant ramps at intersections) rather than work elements related directly to sewer repair.

**SAFETY PERFORMANCE in 2009**

**A. Wastewater Treatment -**

1. Personal Injury Accidents	1
a. Number of Lost Time Accidents	0
b. Total Lost Time	0 days
2. Property Damage Accidents	0

**B. Wastewater Collection -**

1. Personal Injury Accidents	3
a. Number of Lost Time Accidents	0
b. Total Lost Time	0 days
2. Property Damage Accidents	0

**C. Wastewater Administration -**

1. Personal Injury Accidents	3
a. Number of Lost Time Accidents	1
b. Total Lost Time	32 days
2. Property Damage Accidents	1

**EMPLOYEE ROSTER FOR 2009  
WASTEWATER DEPARTMENT**

**WASTEWATER ADMINISTRATION -**

<b>Name</b>	<b>Job Title/Classification</b>	<b>Years of Service (With the City)</b>
Gene Michael	Wastewater Director	7.60
Lynne Furrow	Administrative Technician (Shared Position)	19.75
Nancy Keller	Regulatory Compliance Specialist	23.25
Meg Scarlett	WW Accounting Specialist	13.0

**WASTEWATER PRETREATMENT -**

<b>Name</b>	<b>Job Title/Classification</b>	<b>Years of Service (With the City)</b>
Paul Cozzetta	Pretreatment Coordinator	29.75
Richard Van Manen	Pretreatment Specialist	19.50

**WASTEWATER ENGINEERING -**

<b>Name</b>	<b>Job Title/Classification</b>	<b>Years of Service (With the City)</b>
Bruce Maurello	Wastewater Engineering Supervisor	19.25
Kim Swearingen	Associate Engineer II	2.90
Tammy Bruning	Wastewater Data Technician	6.0
Moises Romero	Wastewater Inspector	12.0

**WASTEWATER COLLECTION -**

<b>Name</b>	<b>Job Title/Classification</b>	<b>Years of Service (With the City)</b>
Leon Marquez	Wastewater Collections Supervisor	11.17
Kerry Sabott	Lift Station Operator	19.50
Gary Romero	Lift Station Operator	14.50
Ricardo Baca	Wastewater Utility Worker IV	28.75
Edward Valdez	Wastewater Utility Worker IV	19.58
Abel Santistevan	Wastewater Utility Worker IV	10.75

**EMPLOYEE ROSTER FOR 2009  
WASTEWATER DEPARTMENT  
(continued)**

**WASTEWATER COLLECTION (continued) -**

<b>Name</b>	<b>Job Title/Classification</b>	<b>Years of Service (With the City)</b>
Dennis Wells	Wastewater Utility Worker IV	3.75
Paul Estrada	Wastewater Utility Worker IV	2.12
Roy Cordova	Wastewater Utility Worker IV	5.66
James Kirchner	Wastewater Utility Worker IV	3.5
Thomas Scheulen	Wastewater Utility Worker II	5.66
Antonio Muniz	Wastewater Utility Worker II	3.5
Neil Dean	Wastewater Utility Worker I	3.5
Anthony Aranda	Wastewater utility Worker I	1.2
Danny Howell	Wastewater Utility Worker	5.75
Michael Baca	Wastewater Utility Worker I	.66

**WASTEWATER TREATMENT -  
Administration -**

John Lindstrom	WWTP Superintendent	13.67
Natalie Trujillo	Senior Clerk Typist	14.42
Conde Benoist	SCADA Coordinator (Resigned 8/21/09)	4.25

**Operations -**

John Millard	WWTP Operations Manager	4.25
Wayne Donley	Chief WWTP Operator	28.58
Joseph Jesik	Chief WWTP Operator	22.42
William Goodman	Chief WWTP Operator	22.17
Robert Autobee	Chief WWTP Operator	21.58
Timothy Sigler	Asst. WWTP Operator –C	21.0
Jason Krueger	Water Reclamation Worker II	8.42
Charles Klipfel	Water Reclamation Worker II (Charles Klipfel resigned 9/14/09)	4.92

**EMPLOYEE ROSTER FOR 2009  
WASTEWATER DEPARTMENT  
(continued)**

**WASTEWATER TREATMENT (continued) -**

Name	Job Title/Classification	Years of Service (With the City)
Daniel Arellano	Water Reclamation Worker II	5.08
John Sleet	Water Reclamation Worker II (Promoted 11/11/09)	3.0
Bernd Zimmermann	Water Reclamation Worker I (Hired 9/1/09)	.25

**Maintenance –**

Terry Wickizer	WWTP Maintenance Supervisor	25.67
Milton Sefcovic	Senior WWTP Maintenance Mechanic	18.75
Abel Santistevan	WW Instrument & Controls Specialist (Retired 7/1/09)	14.0
Scott Wheeler	WWTP Maintenance Mechanic	13.08
Martin Mascarenas	WW Instrument & Controls Specialist (Promoted 9/1/09)	2.25

**Laboratory –**

Wicliffe Hendrix	WWTP Lab Supervisor	22.08
Donna McDonald	Lab Analyst III	30.83
Erik Baker	Lab Analyst III (Promoted 2/24/09)	13.5
Kevin Meyer	Lab Analyst (Hired 8/3/09)	.33