USDA WASTEWATER COLLECTION SYSTEM & TREATMENT IMPROVEMENTS
PRELIMINARY ENGINEERING REPORT

for the

City of San Augustine, Texas
(San Augustine County, Texas)

TPDES Permit No. WQ0010268001
EPA I.D. No. TX0022349

KSA Project Number SAU.005

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1 General

1.1 Introduction

The City of San Augustine (the City) retained KSA to analyze the existing wastewater treatment plant and collection system in order to provide recommendations on operational and treatment improvements. This preliminary engineering report presents the results of the evaluation along with budgetary estimates. Conclusions and recommendations made by this study are limited by the accuracy of the information available and the assumptions made.

The purpose of this study is to assess any current deficiencies at the wastewater treatment plant (WWTP) and throughout the wastewater collection system. Deviancies at the WWTP will also address concerns associated with violations of the Texas Commission on Environmental Quality (TCEQ) 75/90 percent requirements. The TCEQ 75/90 rule requires owners of wastewater collection and treatment systems to begin planning improvements once daily average flows exceed 75 percent of the design capacity for three (3) consecutive months. Documented flows indicate the City's existing wastewater treatment system consistently has issues with discharge above its permitted flow for extended periods of time, especially during periods of heavy rainfall.

1.2 Acknowledgements

The cooperation and assistance of the City of San Augustine staff is gratefully acknowledged.

1.3 Disclaimer

References in this report to any specific commercial product, process or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the City of San Augustine, KSA or other individuals or entities specifically mentioned in this report.

Additionally, the projected growth rates shown in this report are estimates based upon State Water Plan data. Actual growth rates could be higher or lower based upon a number of factors that are beyond the scope of this study.

1.4 General Design Basis

The design basis for the information presented in this report is preliminary in nature and therefore is subject to change. The facilities and components discussed should be confirmed with more specific data as design development of the capital improvements proceeds.

All proposed improvements are based upon the design requirements of the Texas Commission on Environmental Quality (TCEQ) contained in the Design Criteria for Domestic Wastewater Systems (30 TAC 217).

Project costs shown are opinions of probable construction cost only and are based upon standard construction practices, materials and installation. Costs are reflective of present day prices and are on the basis of conceptual schematics and alignments. Opinions presented do not include costs arising from property and/or easement acquisition, primary electrical service, etc.

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2 Project Planning

2.1 Location

The City of San Augustine, Texas, is located in San Augustine County, which is north of Jasper County and Angelina County, south of Shelby County, and west of Sabine County. The City of San Augustine has a 2017 ACS 5-year estimated population of 2,136 and serves as the county seat. The City of San Augustine is located along Highway 21 approximately 35 miles east of Nacogdoches, Texas.

The project area is the area serviced by the City of San Augustine sanitary sewer system. Exhibit 1 shows the area serviced by the San Augustine sanitary sewer system, Exhibit 2 shows the layout of the wastewater treatment plant, and Exhibit 3 shows the USGS map for the City of San Augustine.

2.2 Wastewater Systems to be Served

The San Augustine wastewater system provides wastewater collection and treatment solely within the corporate limits of the City of San Augustine.

2.3 Environmental Resources Present

The proposed treatment plant work would take place at locations that are currently owned by the City of San Augustine. The work related to the collection system would take place within the City's existing property, easement, or right-of-way.

2.4 Population Trends

Population projections are needed to plan for adequate wastewater capacity. Any expansions to the existing water system must be designed to adequately serve both the existing population as well as provide for a reasonable growth rate for the City of San Augustine and its service area.

The annual population historical data for the City of San Augustine was acquired from the U.S. Census Bureau and can be seen in the table below.

Table 2.1 – Historical Population[1]

Year	Population	Average Annual Growth (AAG)
1950	2,510	
1960	2,584	0.29%
1970	2,539	-0.18%
1980	2,930	1.43%
1990	2,337	-2.26%
2000	2,475	0.57%
2010	2,108	-1.61%

The State of Texas, through the Texas Water Development Board, develops a statewide water plan defining future population growth and corresponding water needs for the entire state. The latest edition, Water for Texas 2017 is the tenth state water plan and the fourth plan developed with a regional water planning focus.[2] These regional plans were completed in 2016.

The Regional Water Plan population projections utilized in the current (2021) and two previous (2011 and 2016) planning cycles for San Augustine are shown in Table 2.2. San Augustine is located in the Region I water planning group.

[1] US Census Bureau

[2] Water for Texas 2017. (Texas Water Development Board, Austin, TX 2017), p. 15.

Table 2.2 – Projected Population[3]

Year	2011 Regional Water Plan	2016 Regional Water Plan	2021 Regional Water Plan
2010	2,688	-	
2020	2,742	2,121	2,121
2030	2,812	2,121	2,121
2040	2,897	2,121	2,121
2050	2,984	2,121	2,121
2060	3,043	2,121	2,121
2070		2,121	2,121

The 2011 Regional Water Plan used population projections from the 2007 State Water Plan, based upon 2000 census data, as a baseline with adjustments as necessary.[4] The final 2010 census counts were unavailable at the time that these plans were developed. When compared to the final 2010 census data the 2011 Region I Water Plan overestimated the 2010 population for San Augustine by 580 persons (2,688 versus 2,108). The 2016 Regional Water Plan used projections using final 2010 census counts.

The 2016 and 2021 Regional Water Plan population projections indicate zero growth for San Augustine through 2070. This is due to the Texas Demographic Center's model projecting the population to decrease somewhat due to anticipated demographic changes at the county level. Because of this projection the county's population was held constant at its projected population prior to the decline. The City's projection was developed by allocating growth from the county projection, which are following a county level population growth trend. [5]

2.5 Equivalent Dwelling Units

The City of San Augustine water and wastewater systems are comprised of single family residential, multi-family residential, and non-residential users. In order to equate the system contribution of multi-family and non-residential users to that of a single family residential user the concept of Equivalent Dwelling Unit (EDU) is applied. The EDU can also be used to compare different systems on similar criteria. Tables 2.3 and 2.4 show a breakdown of user types, usage, and calculates EDUs for the City of San Augustine.

Table 2.3 – Equivalent Dwelling Unit Calculation – Water

User Type	Average Monthly Flow (gallons)	Number of Users (connections)	Total Monthly Flow (gallons)	Number of EDUs
Single Family Residential	4,938	740	3,654,120	740
Multi-Family Residential	4,306	143	615,758	125
Commercial	12,494	199	2,486,306	504
Rural (Wholesale)	2,343,056	3	7,029,168	1,424
Governmental	138,852	9	1,249,668	254
			TOTAL EDUs	**3,047**

[3] Texas Water Development Board Regional Water Plan Population Projections by Water User Group

[4] Water for Texas 2012. (Texas Water Development Board, Austin, TX 2012), p. 130.

[5] http://www.twdb.texas.gov/waterplanning/data/projections/FAQ/index.asp#title-05

Table 2.4 – Equivalent Dwelling Unit Calculation – Wastewater

User Type	Average Monthly Flow (gallons)	Number of Users (connections)	Total Monthly Flow (gallons)	Number of EDUs
Single Family Residential	4,938	740	3,654,120	740
Multi-Family Residential	4,306	143	615,758	125
Commercial	12,494	199	2,486,306	504
Governmental	138,852	9	1,249,668	254
			TOTAL EDUs	**1,623**

The information in Tables 2.3 and 2.4 are based upon the 2019 calendar year. The calculation of the total EDUs is the Total Monthly Flow, in gallons, for each connection type divided by the total number of residential connections.

2.6 Community Engagement

The discussion of the proposed projects has been placed on the council agenda over a period of several months. The community of San Augustine has been offered the opportunity to provide comments on the proposed projects. The City has made the community aware that the improvements will also benefit economic development and provide health safety benefits.

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3 Existing Facilities

3.1 Location

3.1.1 Wastewater Treatment Plant

The City of San Augustine has one wastewater treatment plant and it is identified as the City of San Augustine Wastewater Treatment Plant. The existing wastewater treatment plant (TPDES Permit No. WQ0010268001) is located approximately 5,000 feet northeast of intersection of U.S. Highway 96 and Farm-to-Market Road 147, in San Augustine County, Texas 75972. The Plant discharges to an unnamed tributary; thence to Ayish Bayou; thence to Sam Rayburn Reservoir in Segment No. 0610 of the Neches River Basin. An aerial image of the Plant is shown in Figure 3-1.

Figure 3.1 – Aerial Image of City of San Augustine WWTP

3.1.2 Wastewater Collection System

The wastewater collection system serves the area within the corporate limits of the City of San Augustine. The system consists of a network of gravity flow wastewater collection lines conveying wastewater to the City of San Augustine WWTP. In addition to the gravity collection system the system includes 13 lift stations and corresponding sanitary force mains

A service area map of the collection system can be seen in Exhibit 1.

3.2 History

3.2.1 Wastewater Treatment Plant

The current City of San Augustine WWTP was constructed in the early 1970s. In the late 1980s the plant was rehabilitated by adding two final clarifiers and converting the existing settling tank to a chlorine contact chamber. This rehabilitation also decommissioned the settling ponds that predated the plant constructed in the early 1970s. While certain equipment may have been replaced due to mechanical wear and tear, the treatment process and structures remain unchanged from the late 1980s rehabilitation. A description of the treatment process is in the paragraphs to follow.

Influent wastewater flows by gravity from the collection system and enters the treatment plant at the headworks structure. The wastewater is first directed through a channel with a grit trap that removes heavy settleable grit and a Rotarc mechanical screen to remove any floatables including rags, trash, and miscellaneous debris. Wastewater then flows from the channel to the influent lift station wet well, where it is pumped to the oxidation ditch for secondary treatment.

The type of secondary biological treatment utilized at the Plant is an extended aeration system using an oxidation ditch. Biological treatment is essential to remove biological oxygen demand (BOD) and influent ammonia. Wastewater then flows into two final clarifiers. Final clarifiers remove settleable solids including solids produced by biological growth. Settled water is then chlorinated to remove pathogens. Chlorinated effluent wastewater from the chlorine contact basin is then discharged to an unnamed tributary of the Ayish Bayou.

A portion of the sludge removed from the bottom of the clarifiers is returned (Return Activated Sludge, RAS) to the aeration tank to maintain the bacterial population for BOD and ammonia removal. A portion of the solids are wasted to sludge dewatering containers and the existing sludge drying beds for dewatering and then to the landfill for final disposal. A layout of the existing plant can be seen in Exhibit 2 and a process flow schematic showing the above referenced wastewater treatment plant processes is provided as Exhibit 4

3.2.2 Wastewater Collection System

The wastewater collection system for the City of San Augustine dates back to the original creation of the system. It has been modified and repaired through various projects throughout the years. As is the case for many rural wastewater systems a large portion of the system is constructed of vitrified clay pipe (VCP). A service area map of the wastewater collection system can be seen in Exhibit 1.

3.3 Condition of Existing Facilities

3.3.1 Wastewater Treatment Plant

The City's current wastewater discharge permit issued on November 13, 2018 will expire November 13, 2023. A copy of the existing Texas Pollution Discharge Elimination System (TPDES) permit is provided as Appendix A. Current effluent limitations per the existing permit is provided in Table 3-1.

Table 3.1 – TPDES Effluent Discharge Limits

Parameter	Effluent Limit
Daily Average Flow	0.90 MGD
2-hour Peak Flow	4.37 MGD (3,036 gpm)
$CBOD_5$	10 mg/l
TSS	15 mg/l
Ammonia Nitrogen	2 mg/l
E.coli	126 cfu or MPN/100 ml
Chlorine Residual	1 to 4 mg/l
pH	6 to 9 standard units
Dissolved Oxygen	5.0 mg/l minimum

In 2016, KSA conducted an evaluation of the WWTP with respect to daily influent flow and certain process treatment parameters. This evaluation was presented to the City in a draft format, but not finalized. This draft report can be found in Appendix B. Data for the period January 2013 through December 2015 was analyzed and compared to typical values for domestic wastewater treatment processes. Based upon this data the WWTP saw a daily average wastewater flow of 0.568 MGD, and a daily maximum flow of 3.33 MGD. During this time period the WWTP exceeded 75% of its permitted daily average flow on 7 occasions, exceeded 90% of permitted daily average flow on 6 occasions, and exceeded the permitted daily flow on 4 occasions. The daily maximum flow exceeded 75% of its permitted daily average flow on 26 occasions, exceeded 90% of permitted daily average flow on 22 occasions, and exceeded the permitted daily flow on 18 occasions.

The City of San Augustine, like most areas in East Texas, experienced an unusually wet year in 2015. These higher flows strain the operational capacity of the Plant as well as the collection system. As shown in Figure 3-2, the San Augustine WWTP has exceeded its permitted average daily flow for four months (three consecutive) between 2013 and 2015, thereby violating the 75/90 percent requirements in their discharge permit.

The Plant reported flows above 90 percent of its permitted average daily flow (0.81 mgd) for four consecutive months from March 2015 through June 2015. Overall, for the two year period between 2013 and 2015, the Plant has reported average daily flows above 90 percent for six months and average daily flows above 75 percent (0.675 mgd) for seven months. The minimum and maximum monthly average flows suggest that the increase in flow is not due to an increase in "actual" wastewater flow, but is most likely due to stormwater inflow during heavy rainfall periods.

As a result of these flow excursions the City was placed under enforcement by the TCEQ by Agreed Order Docket No. 2016-0449-MWD-E. This agreed order can be seen in Appendix C.

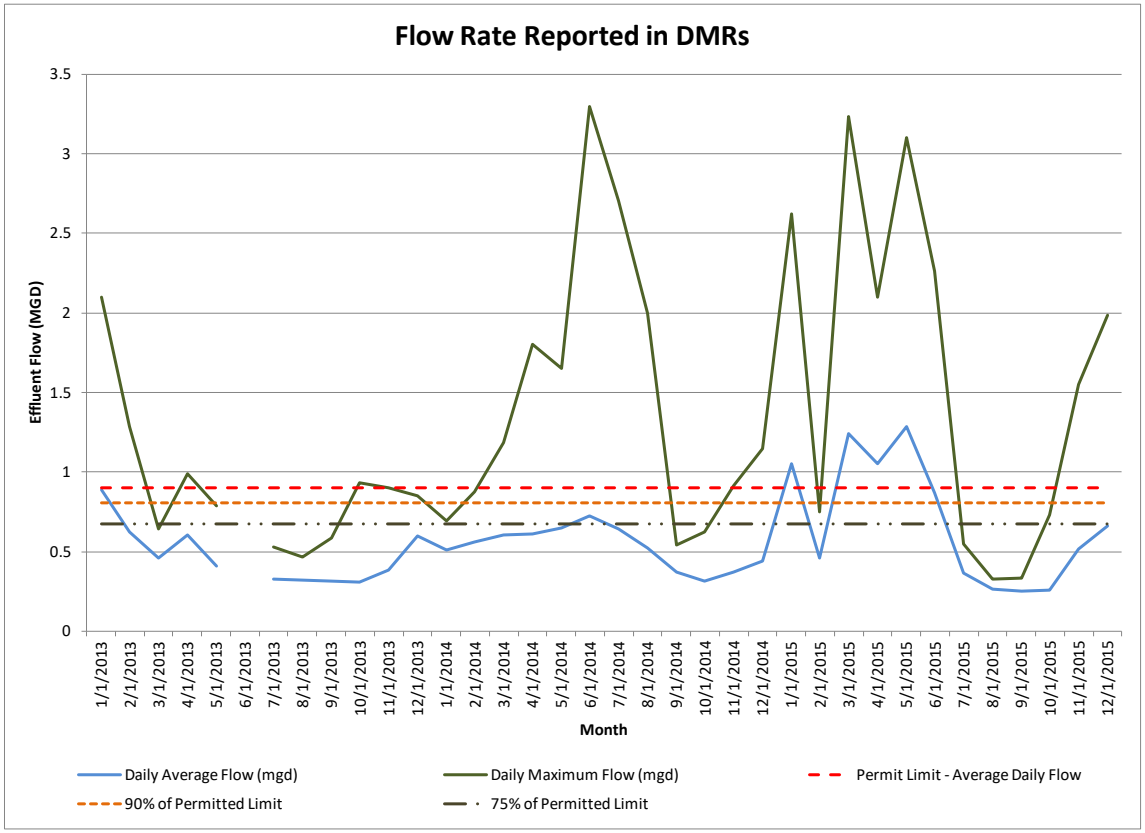

Figure 3.2 – Reported Effluent Flow (January 2013 through December 2015)

As can be seen in Table 3-2 below, the average influent concentrations for the WWTP were significantly lower than typical values within the industry.

Table 3.2 – WWTP Influent Values

Parameter	Average Influent Values January 2013 – June 2016	Typical Influent Values
$CBOD_5$	51 mg/l	250 mg/l
TSS	60 mg/l	300 mg/l
Ammonia Nitrogen	13 mg/l	30 mg/l

The above, combined with the documented number of permitted flow exceedances, is indicative of a wastewater influent flow that is subject to stormwater inflow/infiltration.

3.3.2 Wastewater Collection System

Aging infrastructure throughout the City's collection system results in dramatically increased flows during periods of wet weather. This is a results of inflow and infiltration into the collection system by water seeping into damaged pipes, manholes and lift stations. Inflow and infiltration can be mitigated by replacing affected entities. In 2001 the City conducted a smoke testing effort to identify areas of potential inflow/infiltration. The testing identified numerous locations for subsurface line leaks (infiltration), private line leaks (inflow & infiltration), and collection line manhole issues (inflow).

3.3.3 Suitability for Continued Use

The City of San Augustine wastewater treatment plant is fully suitable for continued use. Based upon the population projections presented in Section 2.3, and the analysis presented in Appendix B, the hydraulic capacity of the plant is sufficient to well into the future. The wastewater treatment plant is currently meeting all permitted effluent parameters and any proposed wastewater treatment improvements will only serve to make the treatment process more efficient. Proposed improvements will not modify the general treatment process, but will replace aging mechanical equipment that requires continual repair and maintenance.

Replacement of existing wastewater collections system lines that currently influence inflow/infiltration to the wastewater treatment plant will further increase the available plant capacity to handle future growth. The hydraulic capacity of the existing wastewater collection system is heavily influenced by inflow/infiltration. Replacement of problematic wastewater collection lines will mitigate the effects of inflow/infiltration. While it is not possible to eliminate all inflow/infiltration within the wastewater collection system, replacement of the most troublesome collection system lines will remove a significant portion of hydraulic loading on the system. This will open up capacity within the collection system that will service the City of San Augustine well into the future, based upon projected growth patterns.

3.4 Financial Status of Existing Facilities

The City's current water and sewer rates can be seen in the tables below.

Table 3.3 – Residential Water Rates

Amount	Rate
First 2,000 Gallons (Minimum Bill)	$23.55
2,001 gallons to 15,000 gallons	$4.92/1,000 gal
15,001 gallons to 20,000 gallons	$5.92/1,000 gal
20,001 gallons to 25,000 gallons	$6.42/1,000 gal
25,001 gallons and up	$6.92/1,000 gal

Table 3.4 – Commercial Water Rates

Amount	Rate
First 2,000 Gallons (Minimum Bill)	$28.12
2,001 gallons to 15,000 gallons	$4.36/1,000 gal
15,001 gallons to 20,000 gallons	$5.36/1,000 gal
20,001 gallons to 25,000 gallons	$5.86/1,000 gal
25,001 gallons and up	$6.36/1,000 gal

Table 3.5 – Sewer Rates

Amount	Rate
Residential	$19.69 base charge
	$3.10/1,000 gal
Commercial	$23.90 base charge
	$3.73/1,000 gal

Sewer charges are based upon a three month moving average once each year. The months are January, February, and March and are adjusted with the July billing for August 1st. Customers with no history are charged the minimum monthly base amount plus 5,000 gallons until a history is established. The 2019 metered water usage for each user type, and the number of each user type can be found in Table 3.6.

Table 3.6 – Metered Services in San Augustine

User Type	Number of Users	2019 Usage (1,000 gallons)
Single Family Residential	740	43,682
Multi-Family Residential	143	7,389
Commercial	199	29,235
Rural (Wholesale)[1]	3	84,350
Governmental	9	14,996
Totals	**1,094**	**179,652**

1 – Rural Usage is a water only billing. No sewer service is provided to these users.

Annual operation and maintenance costs and system revenues can be found in latest Annual Financial Report for the City of San Augustine and the FY2020 Operating Budget included as Appendix D and Appendix E, respectively.

3.5 Water/Energy/Waste Audits

A waste audit has not been conducted on the system as wastewater flows are not individually metered at the customer level. Because of this it is not possible to calculate system flows without extensive field investigation, using calibrated meters placed in manholes throughout the system, over a prolonged period of time. A global analysis of rainfall data, wastewater effluent flow data, and wastewater influent strength data has been used to assess the condition of existing utilities.

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4 Need for Project

4.1 Health, Sanitation, and Security

The City's current inability to control and treat large flows into and out of the existing wastewater treatment plant poses a health threat to the City's residents. Inflow and infiltration results in larger than anticipated flows to the wastewater treatment plant and causes the plant to be hydraulically overloaded. This results in the plant discharging in excess of what is permitted by the TCEQ. Possible overload at the plant could result in parts of the plant flooding and discharging untreated water into adjacent waterways and/or wastewater backing up into the collection system, resulting in unauthorized discharges from manholes and lift stations.

4.2 Aging Infrastructure

The cause of the issues above are a direct result of aging infrastructure such as vitrified clay pipe that, over time, has broken apart and has become less effective at conveying water to the plant.

The City of San Augustine's wastewater infrastructure is comprised of units that utilize aging technologies and techniques. During wet weather, the wastewater plant is experiencing higher than normal flows. This is due to infiltration throughout the City's collection system. Under current conditions, the plant does not have an effective way of detaining the stormwater, so the City is faced with treating the entire influent flow. As a result, the influent at the plant, has a much lower BOD than the Plant's units are designed for. This results in higher than permitted effluent flows.

4.3 Reasonable Growth

A discussion regarding population growth can be found in Section 2.3 of this report.

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5 Alternatives Considered

5.1 Alternative 1 – No Action

5.1.1 Description

The National Environmental Policy Act ensures that each project that receives federal assistance shall have the alternative of "No Action" to be considered in the decision making process. The City would be able to take no action for the current state of the water plants and allow the State of Texas to fine them for non-compliance with State requirements. Taking no action would eventually cause the water system to fail, which would deprive the residents of a reliable utility service that meets State health and safety requirements and damage the community's economy.

5.1.2 Design Criteria

There is no design required for this option.

5.1.3 Map

There is no map for this alternative because no action would be required.

5.1.4 Environmental Impacts

This alternative would result in continued degradation of the wastewater collection and treatment facilities resulting in continuation of unauthorized discharges of untreated wastewater to the environment.

5.1.5 Land Requirements

There is no land requirement for this alternative.

5.1.6 Potential Construction Problems

There is no construction that would take place for this alternative.

5.1.7 Sustainability Considerations

5.1.7.1 Water and Energy Efficiency

There are no water or energy efficiencies associated with this alternative.

5.1.7.2 Green Infrastructure

There is no green infrastructure associated with this alternative.

5.1.8 Opinion of Probable Project Cost

The City would continue receiving fines from the TCEQ through enforcement actions for permit violations. An accurate estimate of the cost for this option cannot be determined because there is not an accurate way to determine cost of future TCEQ enforcement actions.

5.2 Alternative 2 – Collection System and WWTP Improvements

5.2.1 Description

The proposed collection system and plant improvements and recommended modifications take into account both the capacity analysis conducted on the existing plant and operational issues and general condition upgrades necessary. The primary element for addressing inflow/infiltration into the treatment plant is through the replacement of wastewater collection system lines that are known contributors to inflow/infiltration. The replacement of these lines will reduce inflow/infiltration to the collection system that ultimately impacts the treatment plant's hydraulic capacity. Additional capital improvements for upgrading the San Augustine Wastewater Treatment Plant includes improvement items discussed below, with additional detail shown in Appendix B.

5.2.1.1 Collection Line Replacement

The proposed collection line replacement involves the replacement of ten (10) individual line segments who are known contributors to inflow/infiltration. Maps of these line segments can be found in Exhibit 5. These line segments have been identified by City staff as known contributors of inflow/infiltration to the wastewater collection system. A more detailed description of each line segment is as follows:

- Line 1 – Clark Street (SH 147): This line contains approximately 4,100 linear feet of 6" gravity sewer, much of which is constructed of vitrified clay pipe (VCP), and 12 manholes. The line is located in the roadside ditch area and has some structural pipe and manhole issues contributing to inflow/infiltration.
- Line 2 – FM 2213: This line contains approximately 3,000 linear feet of 6" gravity sewer, and 7 manholes. The line is located in the roadside ditch area and has some pipe and manhole issues contributing to inflow/infiltration.
- Lines 3 & 4 – Broadway/Hilltop/Harrison/Bierholter Trunk Mains: These lines contain approximately 3,700 linear feet of 8" gravity sewer and 19 manholes. This line is located in an undeveloped area of the city that parallels two natural drainage features. The location of this line subjects it to natural stormwater flows that impact inflow/infiltration to the collection system.
- Line 5 – Hilltop Drive/Rockey Road: This line contains approximately 2,900 linear feet of 6" gravity sewer, and 17 manholes. The line is located along the edge of the existing roadways and with the number of manholes is a contributor to inflow/infiltration.
- Line 6 – East Columbia Street: This line contains approximately 2,200 linear feet of 6" gravity sewer, and 5 manholes. The line is located in the within the paved area of a TxDOT roadway making repair and maintenance a difficult task. Additionally, the location of the manholes in the paved area creates and inflow/infiltration issue.
- Line 7 – SH21 This line contains approximately 1,400 linear feet of 8" gravity sewer, and 3 manholes. The line is located in the south right-of-way of SH 21 and is a main connector conveying wastewater from the US Highway 96 corridor to the main collection system and ultimately to the WWTP. This line is deep, making repair and maintenance difficult and the line is a known contributor to inflow/infiltration.
- Lines 8 & 9 – Holman and Barrett Street: These two lines contain approximately 1,600 linear feet fo 6" gravity sewer and 7 manholes. These lines are known contributors to inflow/infiltration in a residential area.
- Line 10 – Hoyt/Ruth/MLK/Lena: This line contains approximately 2,470 linear feet of 6" gravity sewer, and 8 manholes. It connects a residential area with numerous overflow issues due to flow exceeding capacity, possibly due to pipe slope issues. The overflows have occurred as a result of inflow/infiltration.

5.2.1.2 WWTP Headworks

KSA recommends that the existing headworks structure be modified to allow for installation of a new mechanical bar screen and conveyor/compactor for automatic disposal of screenings and a grit removal system. The mechanical screen drive would be designed for potential submergence in an influent channel, which would increase the reliability of the screening device during wet weather flows. The grit removal system should be installed downstream of the mechanical bar screen. Grit removal is important, especially in Plants receiving high infiltration and inflow during wet weather events. The system removes settleable grit to protect downstream wastewater treatment units from damage due to abrasion and build up in treatment units which may affect the capacity of the Plant.

5.2.1.3 WWTP Oxidation Ditch Aerators

The existing aeration tank is adequate to meet the treatment requirement for the Plant's permitted TPDES design flow of 0.9 MGD based on the maximum allowed organic loading rate of 15 pounds BOD_5/day/1000 cubic feet and rotor length required for sufficient oxygen transfer. However, the existing aeration system fails to meet the requirement for mixing - either 100 hp per million gallons of aeration volume or 0.75 hp per 1,000 ft^3 of aeration volume. The simplest solution is to increase the motor size of all four aerators from 20 hp to 25 hp. In addition, the aerators should be replaced with direct drive electric motors, since the belt driven, hydraulic motors have been a maintenance issue at the Plant. It is therefore recommended that four (4) new, 25 hp each, oxidation ditch aerators replace the existing aerators in the oxidation ditch.

5.2.2 Design Criteria

Design criteria for this option is contained within the applicable subchapters of 30 TAC 217.

5.2.3 Map

Maps of the collection system improvements are provided as Exhibit 5.A map of the proposed wastewater treatment plant configuration for the proposed improvements is provided as Exhibit 6.

5.2.4 Environmental Impacts

All proposed collection system improvements will take place within existing easements which have been previously disturbed by construction of the original collection system lines. Wetlands impacts of the proposed construction are as follows:

- Line 2 – One crossing of an R4SBC wetland;
- Line 3 – Two crossings of an R4SBC wetland and one crossing of an R5UBH wetland; and,
- Line 4 – One crossing of an R4SBC wetland.

The above wetlands classification codes are as follows:

- R4SBC – Riverine, Intermittent, Streambed, Seasonally Flooded
- R5UBH – Riverine, Unknown Perennial, Unconsolidated Bottom, Permanently Flooded

These wetland impacts will be addressed via avoidance and mitigation by utilizing trenchless construction methods to avoid disturbance. All activities will fall under USACE Nationwide Permit 12 – Utility Line Activities.

All proposed treatment plant improvements will take place within the boundary of the existing treatment plant resulting in no additional impacts to the environment.

An environmental report will be prepared and submitted with the application for funding from the USDA.

5.2.5 Land Requirements

It is assumed that no additional land will be required for this alternative. All work will take place on existing City owned property, rights-of-way, or easements. This is based upon the assumption that any existing easements for the wastewater collection system improvements allow for the replacement of the existing wastewater collection line within the same easement.

5.2.6 Potential Construction Problems

Construction will involve careful sequencing of work tasks to maintain overall collection system and treatment plant operation. Existing components undergoing significant rehabilitation will be bypassed in a manner to minimize affect effluent quality. Minor disruptions to treatment processes would be similar to those necessary for equipment shutdowns during repair/replacement operations.

5.2.7 Sustainability Considerations

5.2.7.1 Water and Energy Efficiency

There are no water or energy efficiencies associated with this alternative.

5.2.7.2 Green Infrastructure

There is no green infrastructure associated with this alternative.

5.2.8 Opinion of Probable Project Cost

The improvements in this alternative are proposed as a single design project with two construction contracts as the methods of construction will involve different types of contractors, utility line contractors and plant contractors. A summarized opinion of probable project cost can be seen in Table 5.1. A detailed opinion of probable project cost can be found in Exhibit 7.

Table 5.1 – Wastewater System Improvements OPPC

Description	Cost
General (Mobilization, SWPPP, Testing, etc.)	$458,000.00
Headworks Modifications	$633,750.00
Oxidation Ditch Aerators	$282,500.00
Line 1	$391,615.00
Line 2	$274,830.00
Lines 3 & 4	$422,250.00
Line 5	$543,890.00
Line 6	$518,965.00
Line 7	$152,100.00
Lines 8 & 9	$285,310.00
Line 10	$265,025.00
Construction Contingencies	$634,200.00
Total Estimated Construction Cost	**$4,862,435.00**
Basic Engineering Services	$347,700.00
Additional Engineering Services	$885,700.00
Other Services (Acquisition, Administration)	$135,000.00
Fiscal Services	$337,500.00
Total Opinion of Probable Project Cost	**$6,433,400.00**

The above Opinion of Probable Project Cost includes a $30,000 item for this preliminary engineering report. This report has been funded through a SEARCH grant from the USDA. The amount of the SEARCH grant will decrease the final application amount by $30,000 for a total estimated loan amount of $6,403,400.

6 Selection of an Alternative

6.1 Life Cycle Cost Analysis

The City of San Augustine has carefully considered the alternatives proposed for this project. While Alternative 1 presents a calculated cost of $0.00, this is not the complete picture of Alternative 1. Continued operation with no action will result in future fines from the TCEQ the amount of which cannot be calculated and analyzed over the life of the project. Therefore the project associated with Alternative 2 has the most beneficial life cycle cost. The life cycle cost analysis can be seen in the information below.

Table 6.1 – Life Cycle Cost Analysis

Description	Alternative 1	Alternative 2
Total Capital Costs	$0.00	$6,433,400.00
Annual O&M Costs	$0.00	$460,363.00
Present Worth O&M Costs	$0.00	$8,923,503.44
Salvage Value	$0.00	$1,215,608.75
Present Worth Salvage Value	$0.00	$1,144,920.04
Life Cycle Costs	$0.00	$14,211,983.40

Table 6.2 – Salvage Value Calculation

Description	Alternative 1	Alternative 2
Initial Value	$0.00	$3,646,826.25
Life Cycle	30	30
Salvage Value at 20 years	$0.00	$1,215,608.75
Life Cycle Analysis	20	20

The above values are calculated on the basis of a 20-year analysis period with a real discount rate of 1.50%. The analysis period and the discount rate are as specified in OMB Circular A-4 and Appendix C of OMB Circular A-94. The Uniform Series Present Value Factor is 17.17 and the Future Amount Present Value Factor is 0.74.

The annual O&M costs were taken from the City's FY2020 budget for the wastewater collection and treatment categories, and the initial value of the equipment was assumed to be 75% of the construction cost.

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7 Proposed Project

7.1 Preliminary Project Design

7.1.1 Wastewater

7.1.1.1 Collection System Layout

This project will not make changes to the City's collection system layout. The proposed project will involve the replacement of aged and deteriorated infrastructure within the wastewater collection system that contribute to inflow/infiltration.

7.1.1.2 Pumping Stations

This project will not add, remove, or modify any wastewater pumping stations in the City's collection system.

7.1.1.3 Storage

This project will not have any effect on the storage of wastewater within the City's collection system or treatment plant.

7.1.1.4 Treatment

This project will not make changes to the City's wastewater treatment process. The proposed project will involve the replacement of aged and deteriorated equipment within the treatment plant to increase the efficiency and effectiveness of the treatment plant.

7.2 Project Schedule

Upon approval of the PER, we anticipate approximately 6 months for preparation, review, and approval of the full project funding application. Upon approval of the funding application, project design is estimated to be completed in nine (9) months. Construction is estimated to take 12-months to complete, using two concurrent construction contracts, after taking bids and closing the USDA loan.

7.3 Permit Requirements

Permits will be required for the installation/replacement of wastewater collection lines located within TxDOT rights-of-way. Although we do not anticipate an amendment to the City's TPDES permit for the wastewater plant, as the treatment process is unchanged, the TCEQ will be consulted regarding any permitting issues during the preliminary design phase of the proposed project.

7.4 Sustainability Considerations

7.4.1 Water and Energy Efficiency

There are no sustainability considerations with regard to the proposed project. All project elements require periodic maintenance; however, none of the improvements proposed with this project affect water and electrical energy consumption by the current system

7.4.2 Green Infrastructure

There are no green elements associated with this project that can accurately be quantified. The proposed project will have an effect on wastewater flows to the treatment plant through the reduction of inflow/infiltration. This will could potentially reduce the amount of energy consumed by the treatment plant; however, that amount cannot be quantified

7.4.3 Other

There are no other sustainability issues associated with the proposed project other than those noted above.

7.5 Total Project Cost (Engineer's Opinion of Probable Cost)

A detailed opinion of probable project cost can be found in Exhibit 7.

7.6 Debt Payments

Based upon the Opinion of Probable Cost summarized in Table 5.1, and detailed in Exhibit 7, and using 753 active connections, average monthly debt payments have been estimated in Table 7.1. The estimated debt payments are calculated assuming a USDA loan for the full project amount, less SEARCH grant funds, and an interest rate of 2.375%. Potential debt payment amounts are shown for loan terms of 20 and 30 years for comparison purposes.

Table 7.1 – Potential Debt Payments

Description	20-year Loan	30-year Loan
Annual Debt Payment	$405,925	$300,863
Average Monthly Debt Payment per User	$44.92	$33.30

The above potential payments are estimates only. The payment amounts can be influenced by many factors such as

- Additional grant funding
- Better loan terms (lower interest rate, longer term)
- Impact of differing rate schedules between single family residential, multi-family residential, commercial, and governmental users.

7.7 Annual Operating Budget

7.7.1 Income

Based on the information in Appendix E, the proposed FY2020 budget revenue for the system fund is $4,597,329. The system fund contains all budget categories associated with the City's utility systems (water, wastewater, and electricity).

7.7.2 Annual O&M Costs

The proposed project will not increase nor reduce the anticipated operating costs of the wastewater collection and treatment systems. The City will continue to operate and maintain the wastewater system consistent with the current and historic operating budgets. For FY2020 the proposed operating budget for the system fund is $4,721,466 of which sewer collections is $172,076 and sewer treatment is $288,287. A detailed breakdown of the budget can be found in Appendix E.

For first year of operation O&M cost will likely be small since the proposed improvements will require little work. However, the city should maintain a maintenance fund for future maintenance of the equipment. With the type of equipment proposed the City's normal budgeting process for operations and maintenance of the collection and treatment systems should provide sufficient funds for maintenance of equipment as needed.

7.7.3 Debt Repayments

Based upon their 2018 audit, the City of San Augustine has outstanding bond obligations in the amount of $1,415,000. The breakdown of these obligations can be found in Table 7.2. The annual payment amounts shown were taken from the City's FY2020 budget.

Table 7.2 – Summary of Outstanding Long Term Debt

Description	Interest Rate	Maturity Date	Original Amount	Outstanding Amount	Annual Payment
Series 2011 CO	2.32%	2022	$500,000	$295,000	$80,379 average
Series 2010 TWB	0.00%	2040	$1,050,000	$1,015,000	$50,000
Series 2011 Refunding	2.12%	2020	$600,000	$105,000	$56,166

Structure and repayment of the proposed USDA loan will be critical to success and the City of San Augustine will retain bond council to assist with this process.

7.7.4 Reserves

7.7.4.1 Debt Service Reserve

At present, General Obligation bonds are proposed to be used as loan security. A copy of the current audit for the City of San Augustine is included as Appendix D.

7.7.4.2 Short Lived Asset Reserve

In order to provide for proper maintenance of the wastewater system the City will need to accumulate and maintain a reserve balance for replacement of short lived assets. The basics of this type of system form an Asset Management Plan. In reviewing the wastewater system facilities a table of short lived assets was generated. The equipment listed in the table has service life less than, or equal to 15-years as shown in TCEQ Regulatory Guidance RG-530a entitled "Managing Small Domestic Wastewater Systems: Part A, Asset Management. The listing of short lived assets, along with their replacement cost and annual reserve amount can be found in Table 7.3.

Table 7.3 – Summary of Outstanding Long Term Debt

Equipment	Useful Life (years)	Replacement Cost	Annual Reserve
WWTP Influent Pumps	10	$78,000	$7,800
WWTP Disinfection System	7	$10,500	$1,500
WWTP Effluent Flow Meter	10	$10,000	$1,000
Collection System Lift Station Pumps (13 Locations)	10	$260,000	$26,000
Replacement Reserve			**$36,300**

The collection system lift station pumps shown in Table 7.3 consist of 13 duplex lift stations totaling 26 pumps. While the capacity of these pumps varies, all should be within a closely bound range of flow, head and motor horsepower. The replacement cost shown is the estimated average of a replacement pump. The replacement costs shown above assume that pump replacement is performed by City staff as a part of their normal system maintenance.

7.7.5 Itemized Annual Operating Budget

Based upon the above sections, the itemized annual operating budget can be seen in Table 7.4. This budget is only for the wastewater system and includes the current debt service for the Series 2010 TWB long term debt as it represents debt associated with sewer collection improvements for the local match portion of an EDA grant for utility improvements to service industrial and commercial users. The other debt service instruments are not included with the annual operating budget as they will most likely reach maturity prior to completion of this project.

Table 7.4 – Itemized Annual Operating Budget

Item	Annual Reserve
Annual System O&M	$460,363
Existing Debt Service	$50,000
Proposed Debt Service	$300,863
Short Lived Asset Reserve	$36,300
Total	**$847,526**

The proposed debt service show in Table 7.4 is the 30-year term annual payment at an interest rate of 2.375%

8 Conclusions and Recommendations

8.1 Wastewater Collection and Treatment Improvements

It is recommended to move forward with the recommended alternative presented in this report for improvements to the wastewater collection system and the wastewater treatment plant.

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Exhibits

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Exhibit 1

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San Augustine USDA Wastewater Improvements

Service Area Map

Legend

- Proposed Sewer Line Replacement
- San Augustine
- San Augustine
- San Augustine City Hall
- Service Area

Patroon St
N Clark St
353
San Augustine
1277
Broadway St
Broadway
85
21
96
147

Google Earth

KSA

N

1 mi

Exhibit 2

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San Augustine USDA Wastewater Improvements

WWTP Layout

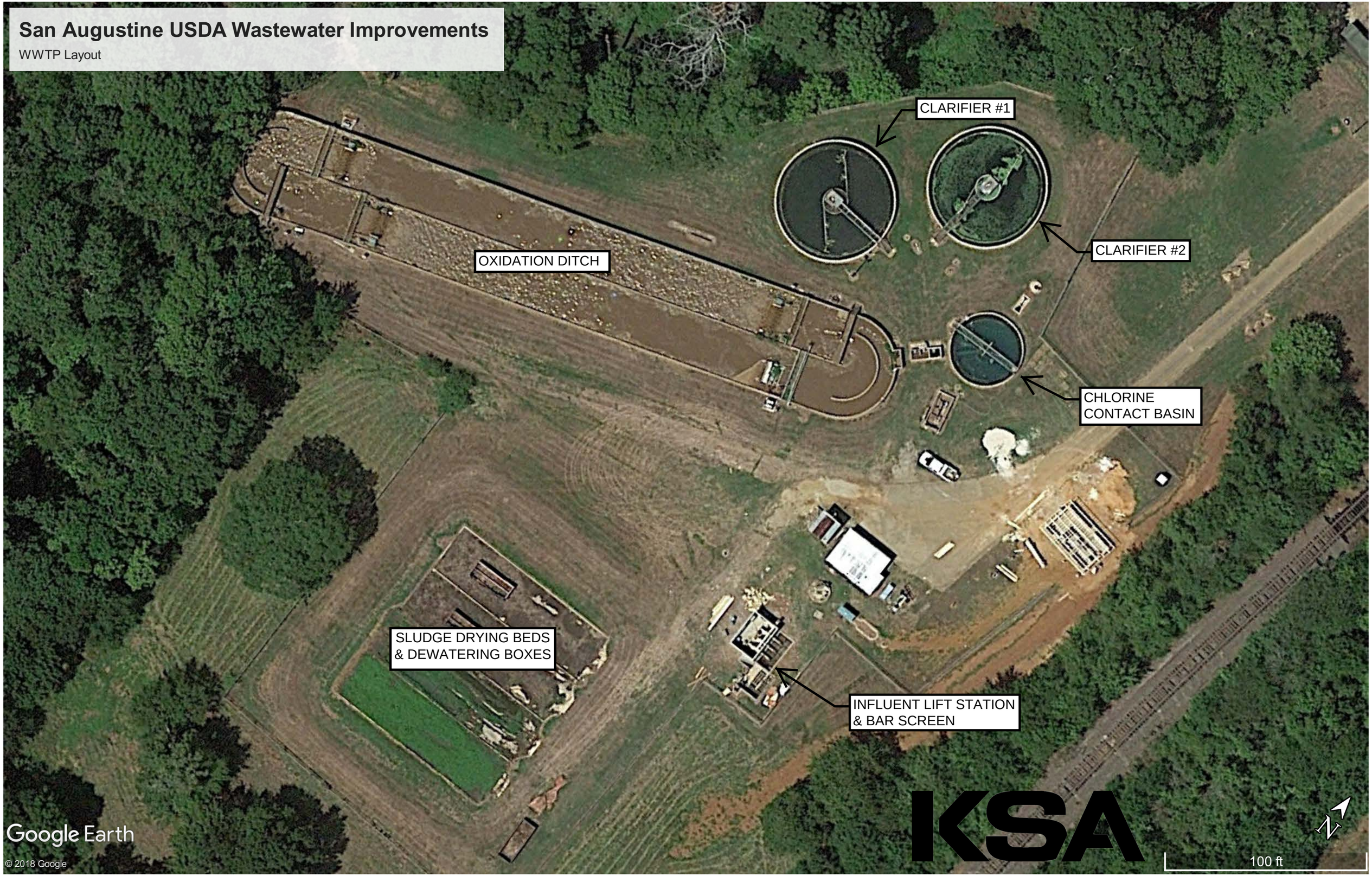

Exhibit 3

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San Augustine USDA Wastewater Improvements

USGS Map

Legend

- Proposed Sewer Line Replacement
- San Augustine
- San Augustine
- San Augustine City Hall

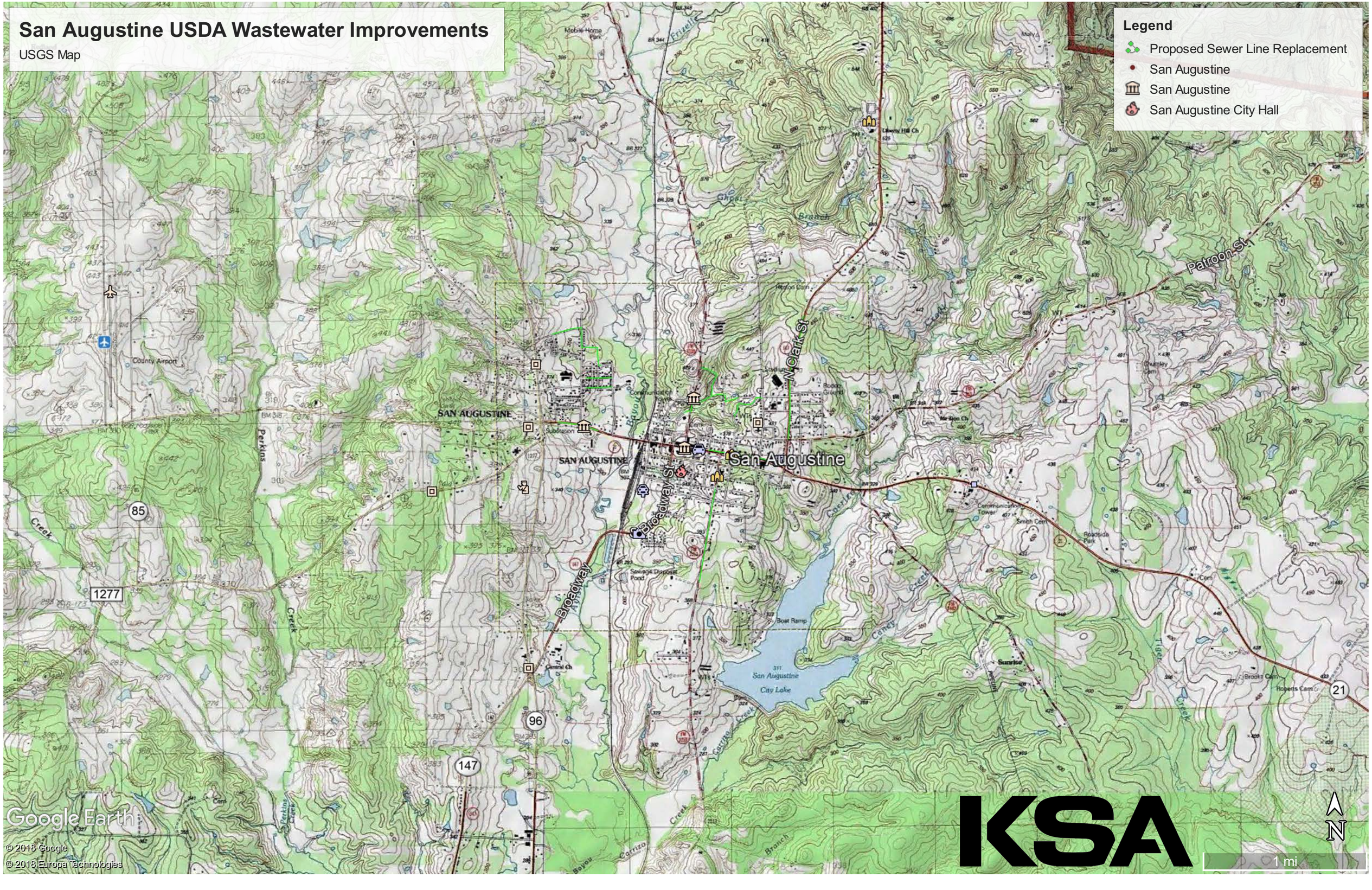

Exhibit 4

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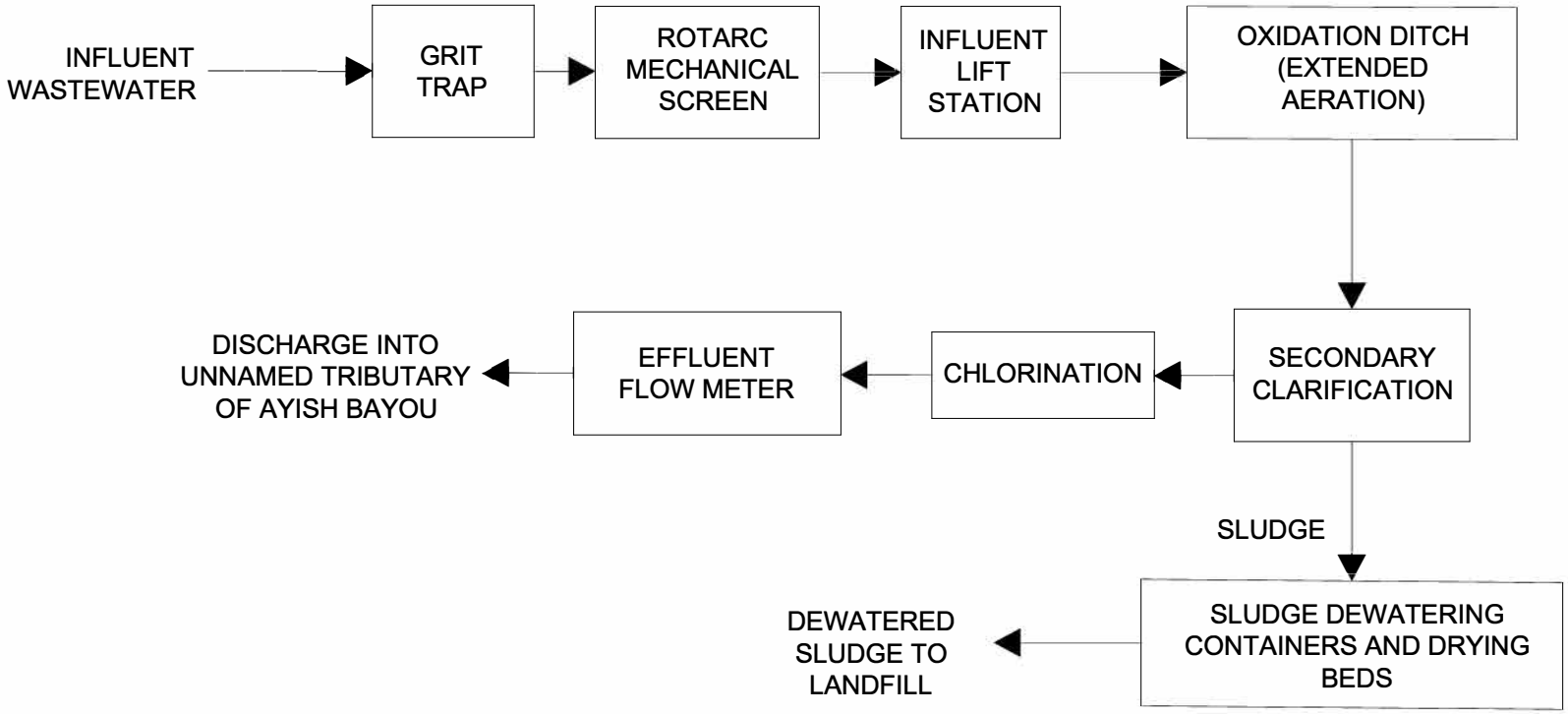

TBPE Firm Registration No. F-1356

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LATEST REVISION: 02/28/2018

KSA JOB NUMBER: SAU.005

CITY OF SAN AUGUSTINE
USDA WASTEWATER COLLECTION & TREATMENT PER

FLOW SCHEMATIC

\\ksa-tly-server3\projects\Projects\SAU008\Existing Flow Diagram.dwg : EXHIBIT 5

Exhibit 5

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San Augustine USDA Wastewater Improvements

Line 1 - N. Clark Street (SH 147)

Legend

- Proposed Sewer Line Replacement
- San Augustine
- San Augustine
- San Augustine City Hall

Rockey Dr
Hilltop Rd
Rockey St
Hospital St
E Livingston St
N Milam St
Ramsey St
School Dr
Norvell Dr
WOLVES
147
S Clark St
353
N Clark St
Patroon St
Elm St
Spruce St
Magnolia St
Oaklawn St
Pine St
Maple St
Pecan St
105

Google Earth

KSA

N

1000 ft

San Augustine USDA Wastewater Improvements

Line 2 - FM 2213

Legend

- Proposed Sewer Line Replacement
- San Augustine
- San Augustine
- San Augustine City Hall

S Harrison St
E Planters St
E Grand St
E Market St
E Main St
E Columbia St
S Congress St
S Blount St
S Liberty St
Liberty
S Ayish St
Hanks St
Richy St
S Miam St
Whitton Rd
Cartwright St
147
547
2213
21
3230

KSA

Google Earth

N

1000 ft

San Augustine USDA Wastewater Improvements

Lines 3 & 4 - Broadway/Hilltop/Bierholter Trunk Main

Legend

- Proposed Sewer Line Replacement
- San Augustine
- San Augustine
- San Augustine City Hall

Bierholter Dr
N Golden Way St
Park Dr
3230
Banks St
W Waters St
N Broadway St
N Harrison St
N Bolivar St
N Congress St
Shefield
N Liberty
Rockey Dr
Rockey St
Hilltop Rd
N Milam St
Norvell Dr
School Dr
Ramsey St
WOLVES
WOLVES
647

KSA

Google Earth

N

1000 ft

San Augustine USDA Wastewater Improvements

Line 5 - Hilltop/Rockey

Legend

- Proposed Sewer Line Replacement
- San Augustine
- San Augustine
- San Augustine City Hall

Biernolter Dr
Shefield
Hilltop Rd
Rockey St
Rockey Dr
N Liberty
Norvell Dr
N Milam St
School Dr
J Thompson St

KSA

N

500 ft

Google Earth

San Augustine USDA Wastewater Improvements

Line 6 - East Columbia Street

Legend

- Proposed Sewer Line Replacement
- San Augustine
- San Augustine
- San Augustine City Hall

Hospital St
N Montgomery St
N Congress St
N Liberty St
N Ayish St
E Livingston St
N Miam St
N Clark St
2213
547
Main St
21
S Congress St
S Liberty St
S Ayish St
E Market St
S Miam St
Whitton Rd
E Columbia St
S Clark St

KSA

Google Earth

N

600 ft

San Augustine USDA Wastewater Improvements

Line 7 - SH 21

Legend

- Proposed Sewer Line Replacement
- San Augustine County Chamber of Commerce

Payne St

Ironosa Rd

M Luther King Dr

Willow Ln

W Columbia St

547

KSA

N

500 ft

Google Earth

San Augustine USDA Wastewater Improvements

Lines 8 & 9 - Holman & Barrett Streets

Legend

- Proposed Sewer Line Replacement
- San Augustine Intermediate

Gamble St

Hoyt St

Holman St

Barrett St

2nd St

1st St

M. Luther King Dr

Willow Ln

Garner St

Google Earth

KSA

N

500 ft

San Augustine USDA Wastewater Improvements

Lines 10 - Hoyt/Ruth/MLK/Lena

Legend

Proposed Sewer Line Replacement

Lena Dr

Holly Dr

Ruth St

M Luther King Dr

Bellaire St

Gamble St

2nd St

KSA

N

500 ft

Google Earth

Exhibit 6

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San Augustine USDA Wastewater Improvements

WWTP Improvements

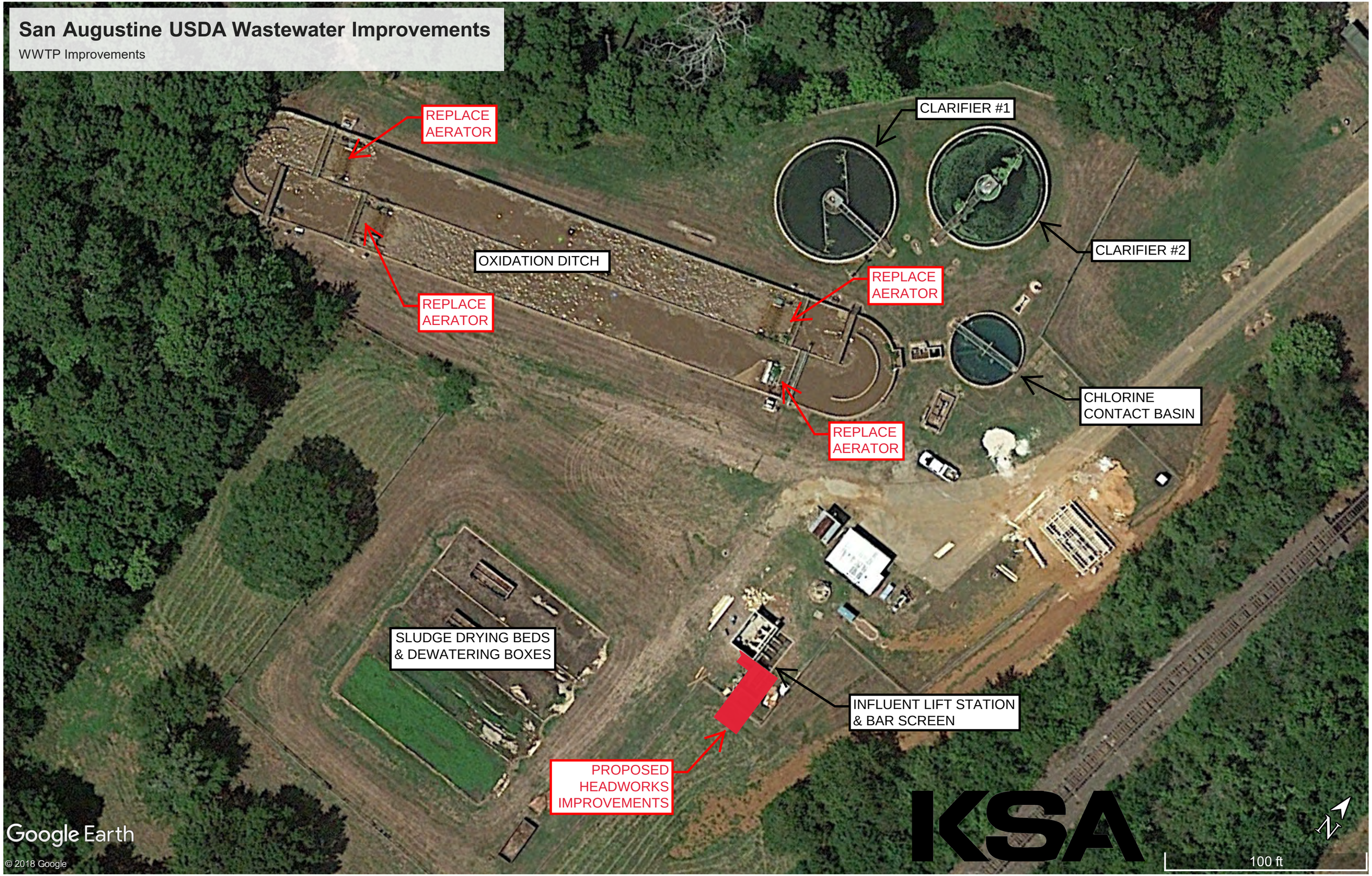

Exhibit 7

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Opinion of Probable Project Cost					
April 13, 2020					
Item No.	**Description**	**Quantity**	**Unit**	**Unit Price**	**Total**
General Construction Items					
1.01	Mobilization, Insurance, and Bonding	1	LS	$225,000.00	$225,000.00
1.02	Care of Water During Construction	1	LS	$70,000.00	$70,000.00
1.03	Stormwater Pollution Prevention	1	LS	$45,000.00	$45,000.00
1.04	Maintenance of Wastewater Plant Flows	1	LS	$20,000.00	$20,000.00
1.05	Site Restoration	1	LS	$45,000.00	$45,000.00
1.06	Filter Fabric Fence @ WWTP Site	1500	LF	$2.00	$3,000.00
1.07	Excavation Safety for Manholes	1	LS	$10,000.00	$10,000.00
1.08	Barricades, Signs, and Traffic Handling	1	LS	$15,000.00	$15,000.00
1.09	Gravity Sewer Line Testing	1	LS	$25,000.00	$25,000.00
WWTP Headworks Modifications					
2.01	Temporary Bypass Pumping	1.0	LS	$20,000.00	$20,000.00
2.02	Miscellaneous Demolition	1	LS	$15,000.00	$15,000.00
2.03	Mechanical Bar Screen	1	LS	$195,000.00	$195,000.00
2.04	Conveyor/Compactor/Washer for Screenings	15	LF	$2,250.00	$33,750.00
2.05	Structural Modifications to Headworks Structure	1	LS	$50,000.00	$50,000.00
2.06	Grit Removal System	1	LS	$225,000.00	$225,000.00
2.07	Excavation Safety	1	LS	$5,000.00	$5,000.00
2.08	Electrical and Controls	1	LS	$90,000.00	$90,000.00
WWTP Oxidation Ditch Aerators					
3.01	Demolition of Existing Aerators	1.0	LS	$15,000.00	$15,000.00
3.02	Direct Drive Aerator Structural Modifcations	4	EA	$7,500.00	$30,000.00
3.03	Oxidation Ditch Direct Drive Aerators with Electric Motors	1	LS	$187,500.00	$187,500.00
3.04	Electrical and Controls	1	LS	$50,000.00	$50,000.00
Line 1 - Clark Street					
4.01	Clearing ROW	4.1	STA	$2,000.00	$8,200.00
4.02	Seed and Fertilize	4050	LF	$1.00	$4,050.00
4.03	Temporary Bypass Pumping	1	LS	$15,000.00	$15,000.00
4.04	Open Cut and Repair Asphalt Pavement	34	SY	$85.00	$2,890.00
4.05	6-in PVC Sanitary Sewer Line	4,050	LF	$40.00	$162,000.00
4.06	14-in Steel Casing by Dry Bore	75	LF	$225.00	$16,875.00
4.07	14-in Steel Casing by Open Cut	100	LF	$125.00	$12,500.00
4.08	Install 48-in Manhole	12	EA	$5,600.00	$67,200.00
4.09	Connect to Existing Sewer Line	1	EA	$1,500.00	$1,500.00
4.10	Abandon Existing Manhole	12	EA	$750.00	$9,000.00
4.11	Foundation Material for Unstable Trench	750	CY	$80.00	$60,000.00
4.12	Trench Safety	4,050	LF	$8.00	$32,400.00
Line 2 - FM 2213					
5.01	Clearing ROW	3.0	STA	$2,000.00	$6,000.00
5.02	Seed and Fertilize	2950	LF	$1.00	$2,950.00
5.03	Temporary Bypass Pumping	1	LS	$10,000.00	$10,000.00
5.04	Open Cut and Repair Asphalt Pavement	17	SY	$85.00	$1,445.00
5.05	6-in PVC Sanitary Sewer Line	2,950	LF	$40.00	$118,000.00
5.06	14-in Steel Casing by Dry Bore	75	LF	$225.00	$16,875.00
5.07	14-in Steel Casing by Open Cut	50	LF	$125.00	$6,250.00
5.08	Install 48-in Manhole	7	EA	$5,600.00	$39,200.00
5.09	Connect to Existing Sewer Line	1	EA	$1,500.00	$1,500.00
5.10	Abandon Existing Manhole	7	EA	$750.00	$5,250.00
5.11	Foundation Material for Unstable Trench	547	CY	$80.00	$43,760.00
5.12	Trench Safety	2,950	LF	$8.00	$23,600.00

Lines 3 & 4 - Broadway/Hilltop/Bierholter Trunk Main					
6.01	Clearing ROW	3.7	STA	$2,000.00	$7,400.00
6.02	Seed and Fertilize	3650	LF	$1.00	$3,650.00
6.03	Temporary Bypass Pumping	1	LS	$15,000.00	$15,000.00
6.04	Open Cut and Repair Asphalt Pavement	12	SY	$85.00	$1,020.00
6.05	8-in PVC Sanitary Sewer Line	3,650	LF	$45.00	$164,250.00
6.06	16-in Steel Casing by Dry Bore	75	LF	$250.00	$18,750.00
6.07	16-in Steel Casing by Open Cut	25	LF	$150.00	$3,750.00
6.08	Install 48-in Manhole	19	EA	$5,600.00	$106,400.00
6.09	Connect to Existing Sewer Line	3	EA	$1,500.00	$4,500.00
6.10	Abandon Existing Manhole	19	EA	$750.00	$14,250.00
6.11	Foundation Material for Unstable Trench	676	CY	$80.00	$54,080.00
6.12	Trench Safety	3,650	LF	$8.00	$29,200.00
Line 5 - Hilltop/Rockey Sewer Main					
7.01	Clearing ROW	2.9	STA	$2,000.00	$5,800.00
7.02	Seed and Fertilize	2900	LF	$1.00	$2,900.00
7.03	Temporary Bypass Pumping	1	LS	$10,000.00	$10,000.00
7.04	Open Cut and Repair Asphalt Pavement	2,600	SY	$85.00	$221,000.00
7.05	6-in PVC Sanitary Sewer Line	2,900	LF	$40.00	$116,000.00
7.06	14-in Steel Casing by Open Cut	100	LF	$125.00	$12,500.00
7.07	Install 48-in Manhole	17	EA	$5,600.00	$95,200.00
7.08	Connect to Existing Sewer Line	1	EA	$1,500.00	$1,500.00
7.09	Abandon Existing Manhole	17	EA	$750.00	$12,750.00
7.10	Foundation Material for Unstable Trench	538	CY	$80.00	$43,040.00
7.11	Trench Safety	2,900	LF	$8.00	$23,200.00
Line 6 - East Columbia Street					
8.01	Clearing ROW	2.2	STA	$2,000.00	$4,400.00
8.02	Seed and Fertilize	2175	LF	$1.00	$2,175.00
8.03	Temporary Bypass Pumping	1	LS	$7,500.00	$7,500.00
8.04	Open Cut and Repair Asphalt Pavement	725	SY	$85.00	$61,625.00
8.05	6-in PVC Sanitary Sewer Line	2,175	LF	$40.00	$87,000.00
8.06	14-in Steel Casing by Open Cut	2,175	LF	$125.00	$271,875.00
8.07	Install 48-in Manhole	5	EA	$5,600.00	$28,000.00
8.08	Connect to Existing Sewer Line	2	EA	$1,500.00	$3,000.00
8.09	Abandon Existing Manhole	5	EA	$750.00	$3,750.00
8.10	Foundation Material for Unstable Trench	403	CY	$80.00	$32,240.00
8.11	Trench Safety	2,175	LF	$8.00	$17,400.00
Line 7 - SH 21					
9.01	Clearing ROW	1.4	STA	$2,000.00	$2,800.00
9.02	Seed and Fertilize	1400	LF	$1.00	$1,400.00
9.03	Temporary Bypass Pumping	1	LS	$5,000.00	$5,000.00
9.04	Open Cut and Repair Asphalt Pavement	10	SY	$85.00	$850.00
9.05	8-in PVC Sanitary Sewer Line	1,400	LF	$45.00	$63,000.00
9.06	16-in Steel Casing by Dry Bore	100	LF	$250.00	$25,000.00
9.07	Install 48-in Manhole	3	EA	$5,600.00	$16,800.00
9.08	Connect to Existing Sewer Line	2	EA	$1,500.00	$3,000.00
9.09	Abandon Existing Manhole	3	EA	$750.00	$2,250.00
9.10	Foundation Material for Unstable Trench	260	CY	$80.00	$20,800.00
9.11	Trench Safety	1,400	LF	$8.00	$11,200.00

Lines 8 & 9 - Holman & Barrett Streets					
10.01	Clearing ROW	1.6	STA	$2,000.00	$3,200.00
10.02	Seed and Fertilize	1600	LF	$1.00	$1,600.00
10.03	Temporary Bypass Pumping	1	LS	$5,000.00	$5,000.00
10.04	Open Cut and Repair Asphalt Pavement	1,500	SY	$85.00	$127,500.00
10.05	6-in PVC Sanitary Sewer Line	1,600	LF	$40.00	$64,000.00
10.06	Install 48-in Manhole	7	EA	$5,600.00	$39,200.00
10.07	Connect to Existing Sewer Line	2	EA	$1,500.00	$3,000.00
10.08	Abandon Existing Manhole	7	EA	$750.00	$5,250.00
10.09	Foundation Material for Unstable Trench	297	CY	$80.00	$23,760.00
10.10	Trench Safety	1,600	LF	$8.00	$12,800.00
Line 10 - Hoyt/Ruth/MLK/Lena Streets					
11.01	Clearing ROW	2.7	STA	$2,000.00	$5,400.00
11.02	Seed and Fertilize	2650	LF	$1.00	$2,650.00
11.03	Temporary Bypass Pumping	1	LS	$7,500.00	$7,500.00
11.04	Open Cut and Repair Asphalt Pavement	67	SY	$85.00	$5,695.00
11.05	6-in PVC Sanitary Sewer Line	2,650	LF	$40.00	$106,000.00
11.06	14-in Steel Casing by Open Cut	200	LF	$125.00	$25,000.00
11.07	Install 48-in Manhole	8	EA	$5,600.00	$44,800.00
11.08	Connect to Existing Sewer Line	1	EA	$1,500.00	$1,500.00
11.09	Abandon Existing Manhole	8	EA	$750.00	$6,000.00
11.10	Foundation Material for Unstable Trench	491	CY	$80.00	$39,280.00
11.11	Trench Safety	2,650	LF	$8.00	$21,200.00
				Construction Subtotal:	$4,228,235.00
				Construction Contingences @ 15%:	$634,200.00
				Pre-Agreement Opinion Of Probable Construction Cost:	**$4,862,435.00**

Engineering Services	
Basic Services:	
Preliminary Design	$198,100.00
Final Design	$132,100.00
Bidding (Including Pre-Bid Meeting)	$17,500.00
Subtotal Basic Engineering Services	**$347,700.00**
Additional Services:	
Preliminary Engineering Report	$30,000.00
Environmental Report	$25,000.00
Design Surveying	$172,500.00
Easement Surveying & Plat/Description Preparation	$50,000.00
Geotechnical Investigation	$40,250.00
TxDOT Permit Application & Coordination	$12,500.00
Stormwater Pollution Prevention Plan	$20,000.00
TPDES Permit Amendment	$15,000.00
Operations & Maintenance Manual	$25,000.00
Construction Administration (2 Construction Contracts)	$120,000.00
Construction Surveying (Control & Verification)	$51,750.00
Resident Project Representative (Full Time)	$249,300.00
Construction Material Testing	$29,900.00
Closeout & Commissioning	$22,500.00
Reimbursable Expenses	$22,000.00
Subtotal Additional Services:	**$885,700.00**
Total Engineering Services:	**$1,233,400.00**

City of San Augustine, Texas

USDA Wastewater System Improvements

Other Services		
	Easement Acquisition	$75,000.00
	USDA Coordination & Program Administration	$60,000.00
	Total Other Services:	**$135,000.00**
Fiscal Services		
	Financial Advisor	$75,000.00
	Bond Counsel	$45,000.00
	Issuance Cost	$7,500.00
	Fiscal/Legal	$30,000.00
	Loan Origination Fee	$130,000.00
	Capitalized Interest Refinance	$50,000.00
	Total Fiscal Services:	**$337,500.00**
Opinion of Probable Project Cost (Rounded to Next Highest $100 Increment):		**$6,433,400.00**

Assumptions:

1 Unit costs provided in 2019 dollars.

2 Basic engineering services fees were calculated using information contained in ASCE Manual & Reports on Engineering Practice No.

3 Additional services fees are based upon internal KSA fee calculations or direct quotes from service providers.

Appendices

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Appendix A

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TPDES PERMIT NO.
WQ0010268001
[For TCEQ office use only - EPA I.D. No. TX0022349]

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

This is a renewal that replaces TPDES Permit No. WQ0010268001 issued on October 12, 2015.

PERMIT TO DISCHARGE WASTES
under provisions of
Section 402 of the Clean Water Act
and Chapter 26 of the Texas Water Code

City of San Augustine

whose mailing address is

301 South Harrison Street
San Augustine, Texas 75972

is authorized to treat and discharge wastes from the San Augustine Wastewater Treatment Facility, SIC Code 4952

located approximately 5,000 feet northeast of the intersection of U.S. Highway 96 and Farm-to-Market Road 147, in the City of San Augustine, San Augustine County, Texas 75972

to an unnamed tributary; thence to Ayish Bayou; thence to Sam Rayburn Reservoir in Segment No. 0610 of the Neches River Basin

only according to effluent limitations, monitoring requirements, and other conditions set forth in this permit, as well as the rules of the Texas Commission on Environmental Quality (TCEQ), the laws of the State of Texas, and other orders of the TCEQ. The issuance of this permit does not grant to the permittee the right to use private or public property for conveyance of wastewater along the discharge route described in this permit. This includes, but is not limited to, property belonging to any individual, partnership, corporation or other entity. Neither does this permit authorize any invasion of personal rights nor any violation of federal, state, or local laws or regulations. It is the responsibility of the permittee to acquire property rights as may be necessary to use the discharge route.

This permit shall expire at midnight, **five years from the date of issuance.**

ISSUED DATE: November 13, 2018

For the Commission

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS Outfall Number 001

1. During the period beginning upon the date of issuance and lasting through the date of expiration, the permittee is authorized to discharge subject to the following effluent limitations:

   The daily average flow of effluent shall not exceed 0.90 million gallons per day (MGD), nor shall the average discharge during any two-hour period (2-hour peak) exceed 3,036 gallons per minute (gpm).

Effluent Characteristic	Discharge Limitations				Min. Self-Monitoring Requirements	
	Daily Avg mg/l (lbs/day)	7-day Avg mg/l	Daily Max mg/l	Single Grab mg/l	Report Daily Avg. & Daily Max. Measurement Frequency	Sample Type
Flow, MGD	Report	N/A	Report	N/A	Continuous	Totalizing Meter
Carbonaceous Biochemical Oxygen Demand (5-day)	10 (75)	15	25	35	One/week	Composite
Total Suspended Solids	15 (113)	25	40	60	One/week	Composite
Ammonia Nitrogen	2 (15)	5	10	15	One/week	Composite
E. coli, colony-forming units or most probable number per 100 ml	126	N/A	399	N/A	Two/month	Grab

2. The effluent shall contain a chlorine residual of at least 1.0 mg/l and shall not exceed a chlorine residual of 4.0 mg/l after a detention time of at least 20 minutes (based on peak flow), and shall be monitored daily by grab sample. An equivalent method of disinfection may be substituted only with prior approval of the Executive Director.

3. The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored twice per month by grab sample.

4. There shall be no discharge of floating solids or visible foam in other than trace amounts and no discharge of visible oil.

5. Effluent monitoring samples shall be taken at the following location(s): Following the final treatment unit.

6. The effluent shall contain minimum dissolved oxygen of 5.0 mg/l and shall be monitored once per week by grab sample.

DEFINITIONS AND STANDARD PERMIT CONDITIONS

As required by Title 30 Texas Administrative Code (TAC) Chapter 305, certain regulations appear as standard conditions in waste discharge permits. 30 TAC § 305.121 - 305.129 (relating to Permit Characteristics and Conditions) as promulgated under the Texas Water Code (TWC) §§ 5.103 and 5.105, and the Texas Health and Safety Code (THSC) §§ 361.017 and 361.024(a), establish the characteristics and standards for waste discharge permits, including sewage sludge, and those sections of 40 Code of Federal Regulations (CFR) Part 122 adopted by reference by the Commission. The following text includes these conditions and incorporates them into this permit. All definitions in TWC § 26.001 and 30 TAC Chapter 305 shall apply to this permit and are incorporated by reference. Some specific definitions of words or phrases used in this permit are as follows:

1. Flow Measurements

   a. Annual average flow - the arithmetic average of all daily flow determinations taken within the preceding 12 consecutive calendar months. The annual average flow determination shall consist of daily flow volume determinations made by a totalizing meter, charted on a chart recorder and limited to major domestic wastewater discharge facilities with one million gallons per day or greater permitted flow.

   b. Daily average flow - the arithmetic average of all determinations of the daily flow within a period of one calendar month. The daily average flow determination shall consist of determinations made on at least four separate days. If instantaneous measurements are used to determine the daily flow, the determination shall be the arithmetic average of all instantaneous measurements taken during that month. Daily average flow determination for intermittent discharges shall consist of a minimum of three flow determinations on days of discharge.

   c. Daily maximum flow - the highest total flow for any 24-hour period in a calendar month.

   d. Instantaneous flow - the measured flow during the minimum time required to interpret the flow measuring device.

   e. 2-hour peak flow (domestic wastewater treatment plants) - the maximum flow sustained for a two-hour period during the period of daily discharge. The average of multiple measurements of instantaneous maximum flow within a two-hour period may be used to calculate the 2-hour peak flow.

   f. Maximum 2-hour peak flow (domestic wastewater treatment plants) - the highest 2-hour peak flow for any 24-hour period in a calendar month.

2. Concentration Measurements

   a. Daily average concentration - the arithmetic average of all effluent samples, composite or grab as required by this permit, within a period of one calendar month, consisting of at least four separate representative measurements.

      i. For domestic wastewater treatment plants - When four samples are not available in a calendar month, the arithmetic average (weighted by flow) of all values in the previous four consecutive month period consisting of at least four measurements shall be utilized as the daily average concentration.

ii. For all other wastewater treatment plants - When four samples are not available in a calendar month, the arithmetic average (weighted by flow) of all values taken during the month shall be utilized as the daily average concentration.

b. 7-day average concentration - the arithmetic average of all effluent samples, composite or grab as required by this permit, within a period of one calendar week, Sunday through Saturday.

c. Daily maximum concentration - the maximum concentration measured on a single day, by the sample type specified in the permit, within a period of one calendar month.

d. Daily discharge - the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in terms of mass, the daily discharge is calculated as the total mass of the pollutant discharged over the sampling day. For pollutants with limitations expressed in other units of measurement, the daily discharge is calculated as the average measurement of the pollutant over the sampling day.

The daily discharge determination of concentration made using a composite sample shall be the concentration of the composite sample. When grab samples are used, the daily discharge determination of concentration shall be the arithmetic average (weighted by flow value) of all samples collected during that day.

e. Bacteria concentration (*E. coli* or Enterococci) - Colony Forming Units (CFU) or Most Probable Number (MPN) of bacteria per 100 milliliters effluent. The daily average bacteria concentration is a geometric mean of the values for the effluent samples collected in a calendar month. The geometric mean shall be determined by calculating the nth root of the product of all measurements made in a calendar month, where n equals the number of measurements made; or, computed as the antilogarithm of the arithmetic mean of the logarithms of all measurements made in a calendar month. For any measurement of bacteria equaling zero, a substituted value of one shall be made for input into either computation method. If specified, the 7-day average for bacteria is the geometric mean of the values for all effluent samples collected during a calendar week.

f. Daily average loading (lbs/day) - the arithmetic average of all daily discharge loading calculations during a period of one calendar month. These calculations must be made for each day of the month that a parameter is analyzed. The daily discharge, in terms of mass (lbs/day), is calculated as (Flow, MGD x Concentration, mg/l x 8.34).

g. Daily maximum loading (lbs/day) - the highest daily discharge, in terms of mass (lbs/day), within a period of one calendar month.

3. Sample Type

a. Composite sample - For domestic wastewater, a composite sample is a sample made up of a minimum of three effluent portions collected in a continuous 24-hour period or during the period of daily discharge if less than 24 hours, and combined in volumes proportional to flow, and collected at the intervals required by 30 TAC § 319.9 (a). For industrial wastewater, a composite sample is a sample made up of a minimum of three effluent portions collected in a continuous 24-hour period or during the period of daily discharge if less than 24 hours, and combined in volumes proportional to flow, and collected at the intervals required by 30 TAC § 319.9 (b).

b. Grab sample - an individual sample collected in less than 15 minutes.

4. Treatment Facility (facility) - wastewater facilities used in the conveyance, storage, treatment, recycling, reclamation and/or disposal of domestic sewage, industrial wastes, agricultural wastes, recreational wastes, or other wastes including sludge handling or disposal facilities under the jurisdiction of the Commission.

5. The term "sewage sludge" is defined as solid, semi-solid, or liquid residue generated during the treatment of domestic sewage in 30 TAC Chapter 312. This includes the solids that have not been classified as hazardous waste separated from wastewater by unit processes.

6. Bypass - the intentional diversion of a waste stream from any portion of a treatment facility.

MONITORING AND REPORTING REQUIREMENTS

1. Self-Reporting

Monitoring results shall be provided at the intervals specified in the permit. Unless otherwise specified in this permit or otherwise ordered by the Commission, the permittee shall conduct effluent sampling and reporting in accordance with 30 TAC §§ 319.4 - 319.12. Unless otherwise specified, effluent monitoring data shall be submitted each month, to the Enforcement Division (MC 224), by the 20th day of the following month for each discharge which is described by this permit whether or not a discharge is made for that month. Monitoring results must be submitted online using the NetDMR reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver. Monitoring results must be signed and certified as required by Monitoring and Reporting Requirements No. 10.

As provided by state law, the permittee is subject to administrative, civil and criminal penalties, as applicable, for negligently or knowingly violating the Clean Water Act (CWA); TWC §§ 26, 27, and 28; and THSC § 361, including but not limited to knowingly making any false statement, representation, or certification on any report, record, or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance, or falsifying, tampering with or knowingly rendering inaccurate any monitoring device or method required by this permit or violating any other requirement imposed by state or federal regulations.

2. Test Procedures

a. Unless otherwise specified in this permit, test procedures for the analysis of pollutants shall comply with procedures specified in 30 TAC §§ 319.11 - 319.12. Measurements, tests, and calculations shall be accurately accomplished in a representative manner.

b. All laboratory tests submitted to demonstrate compliance with this permit must meet the requirements of 30 TAC § 25, Environmental Testing Laboratory Accreditation and Certification.

3. Records of Results

a. Monitoring samples and measurements shall be taken at times and in a manner so as to be representative of the monitored activity.

b. Except for records of monitoring information required by this permit related to the permittee's sewage sludge use and disposal activities, which shall be retained for a period of at least five years (or longer as required by 40 CFR Part 503), monitoring and reporting records, including strip charts and records of calibration and maintenance, copies of all records required by this permit, records of all data used to complete the application for this permit, and the certification required by 40 CFR § 264.73(b)(9) shall be retained at the facility site, or shall be readily available for review by a TCEQ representative for a period of three years from the date of the record or sample, measurement, report, application or certification. This period shall be extended at the request of the Executive Director.

c. Records of monitoring activities shall include the following:

i. date, time and place of sample or measurement;

ii. identity of individual who collected the sample or made the measurement.

iii. date and time of analysis;

iv. identity of the individual and laboratory who performed the analysis;

v. the technique or method of analysis; and

vi. the results of the analysis or measurement and quality assurance/quality control records.

The period during which records are required to be kept shall be automatically extended to the date of the final disposition of any administrative or judicial enforcement action that may be instituted against the permittee.

4. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit using approved analytical methods as specified above, all results of such monitoring shall be included in the calculation and reporting of the values submitted on the approved self-report form. Increased frequency of sampling shall be indicated on the self-report form.

5. Calibration of Instruments

All automatic flow measuring or recording devices and all totalizing meters for measuring flows shall be accurately calibrated by a trained person at plant start-up and as often thereafter as necessary to ensure accuracy, but not less often than annually unless authorized by the Executive Director for a longer period. Such person shall verify in writing that the device is operating properly and giving accurate results. Copies of the verification shall be retained at the facility site and/or shall be readily available for review by a TCEQ representative for a period of three years.

6. Compliance Schedule Reports

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of the permit shall be submitted no later

than 14 days following each schedule date to the Regional Office and the Enforcement Division (MC 224).

7. Noncompliance Notification

   a. In accordance with 30 TAC § 305.125(9) any noncompliance which may endanger human health or safety, or the environment shall be reported by the permittee to the TCEQ. Except as allowed by 30 TAC § 305.132, report of such information shall be provided orally or by facsimile transmission (FAX) to the Regional Office within 24 hours of becoming aware of the noncompliance. A written submission of such information shall also be provided by the permittee to the Regional Office and the Enforcement Division (MC 224) within five working days of becoming aware of the noncompliance. For Publicly Owned Treatment Works (POTWs), effective September 1, 2020, the permittee must submit the written report for unauthorized discharges and unanticipated bypasses that exceed any effluent limit in the permit using the online electronic reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver. The written submission shall contain a description of the noncompliance and its cause; the potential danger to human health or safety, or the environment; the period of noncompliance, including exact dates and times; if the noncompliance has not been corrected, the time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance, and to mitigate its adverse effects.

   b. The following violations shall be reported under Monitoring and Reporting Requirement 7.a.:

      i. Unauthorized discharges as defined in Permit Condition 2(g).

      ii. Any unanticipated bypass that exceeds any effluent limitation in the permit.

      iii. Violation of a permitted maximum daily discharge limitation for pollutants listed specifically in the Other Requirements section of an Industrial TPDES permit.

   c. In addition to the above, any effluent violation which deviates from the permitted effluent limitation by more than 40% shall be reported by the permittee in writing to the Regional Office and the Enforcement Division (MC 224) within 5 working days of becoming aware of the noncompliance.

   d. Any noncompliance other than that specified in this section, or any required information not submitted or submitted incorrectly, shall be reported to the Enforcement Division (MC 224) as promptly as possible. For effluent limitation violations, noncompliances shall be reported on the approved self-report form.

8. In accordance with the procedures described in 30 TAC §§ 35.301 - 35.303 (relating to Water Quality Emergency and Temporary Orders) if the permittee knows in advance of the need for a bypass, it shall submit prior notice by applying for such authorization.

9. Changes in Discharges of Toxic Substances

   All existing manufacturing, commercial, mining, and silvicultural permittees shall notify the Regional Office, orally or by facsimile transmission within 24 hours, and both the Regional Office and the Enforcement Division (MC 224) in writing within five (5) working days, after becoming aware of or having reason to believe:

a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant listed at 40 CFR Part 122, Appendix D, Tables II and III (excluding Total Phenols) which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":

   i. One hundred micrograms per liter (100 µg/L);

   ii. Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;

   iii. Five (5) times the maximum concentration value reported for that pollutant in the permit application; or

   iv. The level established by the TCEQ.

b. That any activity has occurred or will occur which would result in any discharge, on a nonroutine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":

   i. Five hundred micrograms per liter (500 µg/L);

   ii. One milligram per liter (1 mg/L) for antimony;

   iii. Ten (10) times the maximum concentration value reported for that pollutant in the permit application; or

   iv. The level established by the TCEQ.

10. Signatories to Reports

All reports and other information requested by the Executive Director shall be signed by the person and in the manner required by 30 TAC § 305.128 (relating to Signatories to Reports).

11. All POTWs must provide adequate notice to the Executive Director of the following:

a. Any new introduction of pollutants into the POTW from an indirect discharger which would be subject to CWA § 301 or § 306 if it were directly discharging those pollutants;

b. Any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit; and

c. For the purpose of this paragraph, adequate notice shall include information on:

   i. The quality and quantity of effluent introduced into the POTW; and

   ii. Any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.

PERMIT CONDITIONS

1. General

   a. When the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in an application or in any report to the Executive Director, it shall promptly submit such facts or information.

   b. This permit is granted on the basis of the information supplied and representations made by the permittee during action on an application, and relying upon the accuracy and completeness of that information and those representations. After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked, in whole or in part, in accordance with 30 TAC Chapter 305, Subchapter D, during its term for good cause including, but not limited to, the following:

      i. Violation of any terms or conditions of this permit;

      ii. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or

      iii. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

   c. The permittee shall furnish to the Executive Director, upon request and within a reasonable time, any information to determine whether cause exists for amending, revoking, suspending or terminating the permit. The permittee shall also furnish to the Executive Director, upon request, copies of records required to be kept by the permit.

2. Compliance

   a. Acceptance of the permit by the person to whom it is issued constitutes acknowledgment and agreement that such person will comply with all the terms and conditions embodied in the permit, and the rules and other orders of the Commission.

   b. The permittee has a duty to comply with all conditions of the permit. Failure to comply with any permit condition constitutes a violation of the permit and the Texas Water Code or the Texas Health and Safety Code, and is grounds for enforcement action, for permit amendment, revocation, or suspension, or for denial of a permit renewal application or an application for a permit for another facility.

   c. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.

   d. The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal or other permit violation that has a reasonable likelihood of adversely affecting human health or the environment.

   e. Authorization from the Commission is required before beginning any change in the permitted facility or activity that may result in noncompliance with any permit requirements.

f. A permit may be amended, suspended and reissued, or revoked for cause in accordance with 30 TAC §§ 305.62 and 305.66 and TWC§ 7.302. The filing of a request by the permittee for a permit amendment, suspension and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

g. There shall be no unauthorized discharge of wastewater or any other waste. For the purpose of this permit, an unauthorized discharge is considered to be any discharge of wastewater into or adjacent to water in the state at any location not permitted as an outfall or otherwise defined in the Other Requirements section of this permit.

h. In accordance with 30 TAC § 305.535(a), the permittee may allow any bypass to occur from a TPDES permitted facility which does not cause permitted effluent limitations to be exceeded or an unauthorized discharge to occur, but only if the bypass is also for essential maintenance to assure efficient operation.

i. The permittee is subject to administrative, civil, and criminal penalties, as applicable, under TWC §§ 7.051 - 7.075 (relating to Administrative Penalties), 7.101 - 7.111 (relating to Civil Penalties), and 7.141 - 7.202 (relating to Criminal Offenses and Penalties) for violations including, but not limited to, negligently or knowingly violating the federal CWA §§ 301, 302, 306, 307, 308, 318, or 405, or any condition or limitation implementing any sections in a permit issued under the CWA § 402, or any requirement imposed in a pretreatment program approved under the CWA §§ 402 (a)(3) or 402 (b)(8).

3. Inspections and Entry

a. Inspection and entry shall be allowed as prescribed in the TWC Chapters 26, 27, and 28, and THSC § 361.

b. The members of the Commission and employees and agents of the Commission are entitled to enter any public or private property at any reasonable time for the purpose of inspecting and investigating conditions relating to the quality of water in the state or the compliance with any rule, regulation, permit or other order of the Commission. Members, employees, or agents of the Commission and Commission contractors are entitled to enter public or private property at any reasonable time to investigate or monitor or, if the responsible party is not responsive or there is an immediate danger to public health or the environment, to remove or remediate a condition related to the quality of water in the state. Members, employees, Commission contractors, or agents acting under this authority who enter private property shall observe the establishment's rules and regulations concerning safety, internal security, and fire protection, and if the property has management in residence, shall notify management or the person then in charge of his presence and shall exhibit proper credentials. If any member, employee, Commission contractor, or agent is refused the right to enter in or on public or private property under this authority, the Executive Director may invoke the remedies authorized in TWC § 7.002. The statement above, that Commission entry shall occur in accordance with an establishment's rules and regulations concerning safety, internal security, and fire protection, is not grounds for denial or restriction of entry to any part of the facility, but merely describes the Commission's duty to observe appropriate rules and regulations during an inspection.

4. Permit Amendment and/or Renewal

   a. The permittee shall give notice to the Executive Director as soon as possible of any planned physical alterations or additions to the permitted facility if such alterations or additions would require a permit amendment or result in a violation of permit requirements. Notice shall also be required under this paragraph when:

      i. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in accordance with 30 TAC § 305.534 (relating to New Sources and New Dischargers); or

      ii. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants that are subject neither to effluent limitations in the permit, nor to notification requirements in Monitoring and Reporting Requirements No. 9;

      iii. The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.

   b. Prior to any facility modifications, additions, or expansions that will increase the plant capacity beyond the permitted flow, the permittee must apply for and obtain proper authorization from the Commission before commencing construction.

   c. The permittee must apply for an amendment or renewal at least 180 days prior to expiration of the existing permit in order to continue a permitted activity after the expiration date of the permit. If an application is submitted prior to the expiration date of the permit, the existing permit shall remain in effect until the application is approved, denied, or returned. If the application is returned or denied, authorization to continue such activity shall terminate upon the effective date of the action. If an application is not submitted prior to the expiration date of the permit, the permit shall expire and authorization to continue such activity shall terminate.

   d. Prior to accepting or generating wastes which are not described in the permit application or which would result in a significant change in the quantity or quality of the existing discharge, the permittee must report the proposed changes to the Commission. The permittee must apply for a permit amendment reflecting any necessary changes in permit conditions, including effluent limitations for pollutants not identified and limited by this permit.

   e. In accordance with the TWC § 26.029(b), after a public hearing, notice of which shall be given to the permittee, the Commission may require the permittee, from time to time, for good cause, in accordance with applicable laws, to conform to new or additional conditions.

   f. If any toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is promulgated under CWA § 307(a) for a toxic pollutant which is present in the discharge and that standard or prohibition is more stringent than any limitation on the pollutant in this permit, this permit shall be

modified or revoked and reissued to conform to the toxic effluent standard or prohibition. The permittee shall comply with effluent standards or prohibitions established under CWA § 307(a) for toxic pollutants within the time provided in the regulations that established those standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.

5. Permit Transfer

   a. Prior to any transfer of this permit, Commission approval must be obtained. The Commission shall be notified in writing of any change in control or ownership of facilities authorized by this permit. Such notification should be sent to the Applications Review and Processing Team (MC 148) of the Water Quality Division.

   b. A permit may be transferred only according to the provisions of 30 TAC § 305.64 (relating to Transfer of Permits) and 30 TAC § 50.133 (relating to Executive Director Action on Application or WQMP update).

6. Relationship to Hazardous Waste Activities

   This permit does not authorize any activity of hazardous waste storage, processing, or disposal that requires a permit or other authorization pursuant to the Texas Health and Safety Code.

7. Relationship to Water Rights

   Disposal of treated effluent by any means other than discharge directly to water in the state must be specifically authorized in this permit and may require a permit pursuant to TWC Chapter 11.

8. Property Rights

   A permit does not convey any property rights of any sort, or any exclusive privilege.

9. Permit Enforceability

   The conditions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstances, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

10. Relationship to Permit Application

    The application pursuant to which the permit has been issued is incorporated herein; provided, however, that in the event of a conflict between the provisions of this permit and the application, the provisions of the permit shall control.

11. Notice of Bankruptcy

    a. Each permittee shall notify the Executive Director, in writing, immediately following the filing of a voluntary or involuntary petition for bankruptcy under any chapter of Title 11 Bankruptcy) of the United States Code (11 USC) by or against:

       i. the permittee;

ii. an entity (as that term is defined in 11 USC, § 101(14)) controlling the permittee or listing the permit or permittee as property of the estate; or

iii. an affiliate (as that term is defined in 11 USC, § 101(2)) of the permittee.

b. This notification must indicate:

i. the name of the permittee and the permit number(s);

ii. the bankruptcy court in which the petition for bankruptcy was filed; and

iii. the date of filing of the petition.

OPERATIONAL REQUIREMENTS

1. The permittee shall at all times ensure that the facility and all of its systems of collection, treatment, and disposal are properly operated and maintained. This includes, but is not limited to, the regular, periodic examination of wastewater solids within the treatment plant by the operator in order to maintain an appropriate quantity and quality of solids inventory as described in the various operator training manuals and according to accepted industry standards for process control. Process control, maintenance, and operations records shall be retained at the facility site, or shall be readily available for review by a TCEQ representative, for a period of three years.

2. Upon request by the Executive Director, the permittee shall take appropriate samples and provide proper analysis in order to demonstrate compliance with Commission rules. Unless otherwise specified in this permit or otherwise ordered by the Commission, the permittee shall comply with all applicable provisions of 30 TAC Chapter 312 concerning sewage sludge use and disposal and 30 TAC §§ 319.21 - 319.29 concerning the discharge of certain hazardous metals.

3. Domestic wastewater treatment facilities shall comply with the following provisions:

a. The permittee shall notify the Municipal Permits Team, Wastewater Permitting Section (MC 148) of the Water Quality Division, in writing, of any facility expansion at least 90 days prior to conducting such activity.

b. The permittee shall submit a closure plan for review and approval to the Municipal Permits Team, Wastewater Permitting Section (MC 148) of the Water Quality Division, for any closure activity at least 90 days prior to conducting such activity. Closure is the act of permanently taking a waste management unit or treatment facility out of service and includes the permanent removal from service of any pit, tank, pond, lagoon, surface impoundment and/or other treatment unit regulated by this permit.

4. The permittee is responsible for installing prior to plant start-up, and subsequently maintaining, adequate safeguards to prevent the discharge of untreated or inadequately treated wastes during electrical power failures by means of alternate power sources, standby generators, and/or retention of inadequately treated wastewater.

5. Unless otherwise specified, the permittee shall provide a readily accessible sampling point and, where applicable, an effluent flow measuring device or other acceptable means by which effluent flow may be determined.

6. The permittee shall remit an annual water quality fee to the Commission as required by 30 TAC Chapter 21. Failure to pay the fee may result in revocation of this permit under TWC § 7.302(b)(6).

7. Documentation

   For all written notifications to the Commission required of the permittee by this permit, the permittee shall keep and make available a copy of each such notification under the same conditions as self-monitoring data are required to be kept and made available. Except for information required for TPDES permit applications, effluent data, including effluent data in permits, draft permits and permit applications, and other information specified as not confidential in 30 TAC §§ 1.5(d), any information submitted pursuant to this permit may be claimed as confidential by the submitter. Any such claim must be asserted in the manner prescribed in the application form or by stamping the words confidential business information on each page containing such information. If no claim is made at the time of submission, information may be made available to the public without further notice. If the Commission or Executive Director agrees with the designation of confidentiality, the TCEQ will not provide the information for public inspection unless required by the Texas Attorney General or a court pursuant to an open records request. If the Executive Director does not agree with the designation of confidentiality, the person submitting the information will be notified.

8. Facilities that generate domestic wastewater shall comply with the following provisions; domestic wastewater treatment facilities at permitted industrial sites are excluded.

   a. Whenever flow measurements for any domestic sewage treatment facility reach 75% of the permitted daily average or annual average flow for three consecutive months, the permittee must initiate engineering and financial planning for expansion and/or upgrading of the domestic wastewater treatment and/or collection facilities. Whenever the flow reaches 90% of the permitted daily average or annual average flow for three consecutive months, the permittee shall obtain necessary authorization from the Commission to commence construction of the necessary additional treatment and/or collection facilities. In the case of a domestic wastewater treatment facility which reaches 75% of the permitted daily average or annual average flow for three consecutive months, and the planned population to be served or the quantity of waste produced is not expected to exceed the design limitations of the treatment facility, the permittee shall submit an engineering report supporting this claim to the Executive Director of the Commission.

      If in the judgment of the Executive Director the population to be served will not cause permit noncompliance, then the requirement of this section may be waived. To be effective, any waiver must be in writing and signed by the Director of the Enforcement Division (MC 169) of the Commission, and such waiver of these requirements will be reviewed upon expiration of the existing permit; however, any such waiver shall not be interpreted as condoning or excusing any violation of any permit parameter.

b. The plans and specifications for domestic sewage collection and treatment works associated with any domestic permit must be approved by the Commission and failure to secure approval before commencing construction of such works or making a discharge is a violation of this permit and each day is an additional violation until approval has been secured.

c. Permits for domestic wastewater treatment plants are granted subject to the policy of the Commission to encourage the development of area-wide waste collection, treatment, and disposal systems. The Commission reserves the right to amend any domestic wastewater permit in accordance with applicable procedural requirements to require the system covered by this permit to be integrated into an area-wide system, should such be developed; to require the delivery of the wastes authorized to be collected in, treated by or discharged from said system, to such area-wide system; or to amend this permit in any other particular to effectuate the Commission's policy. Such amendments may be made when the changes required are advisable for water quality control purposes and are feasible on the basis of waste treatment technology, engineering, financial, and related considerations existing at the time the changes are required, exclusive of the loss of investment in or revenues from any then existing or proposed waste collection, treatment or disposal system.

9. Domestic wastewater treatment plants shall be operated and maintained by sewage plant operators holding a valid certificate of competency at the required level as defined in 30 TAC Chapter 30.

10. For Publicly Owned Treatment Works (POTWs), the 30-day average (or monthly average) percent removal for BOD and TSS shall not be less than 85%, unless otherwise authorized by this permit.

11. Facilities that generate industrial solid waste as defined in 30 TAC § 335.1 shall comply with these provisions:

a. Any solid waste, as defined in 30 TAC § 335.1 (including but not limited to such wastes as garbage, refuse, sludge from a waste treatment, water supply treatment plant or air pollution control facility, discarded materials, discarded materials to be recycled, whether the waste is solid, liquid, or semisolid), generated by the permittee during the management and treatment of wastewater, must be managed in accordance with all applicable provisions of 30 TAC Chapter 335, relating to Industrial Solid Waste Management.

b. Industrial wastewater that is being collected, accumulated, stored, or processed before discharge through any final discharge outfall, specified by this permit, is considered to be industrial solid waste until the wastewater passes through the actual point source discharge and must be managed in accordance with all applicable provisions of 30 TAC Chapter 335.

c. The permittee shall provide written notification, pursuant to the requirements of 30 TAC § 335.8(b)(1), to the Environmental Cleanup Section (MC 127) of the Remediation Division informing the Commission of any closure activity involving an Industrial Solid Waste Management Unit, at least 90 days prior to conducting such an activity.

d. Construction of any industrial solid waste management unit requires the prior written notification of the proposed activity to the Registration and Reporting Section (MC 129) of the Registration, Review, and Reporting Division. No person shall dispose of industrial solid waste, including sludge or other solids from wastewater treatment processes, prior to fulfilling the deed recordation requirements of 30 TAC § 335.5.

e. The term "industrial solid waste management unit" means a landfill, surface impoundment, waste-pile, industrial furnace, incinerator, cement kiln, injection well, container, drum, salt dome waste containment cavern, or any other structure vessel, appurtenance, or other improvement on land used to manage industrial solid waste.

f. The permittee shall keep management records for all sludge (or other waste) removed from any wastewater treatment process. These records shall fulfill all applicable requirements of 30 TAC § 335 and must include the following, as it pertains to wastewater treatment and discharge:

i. Volume of waste and date(s) generated from treatment process;
ii. Volume of waste disposed of on-site or shipped off-site;
iii. Date(s) of disposal;
iv. Identity of hauler or transporter;
v. Location of disposal site; and
vi. Method of final disposal.

The above records shall be maintained on a monthly basis. The records shall be retained at the facility site, or shall be readily available for review by authorized representatives of the TCEQ for at least five years.

12. For industrial facilities to which the requirements of 30 TAC § 335 do not apply, sludge and solid wastes, including tank cleaning and contaminated solids for disposal, shall be disposed of in accordance with THSC § 361.

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SLUDGE PROVISIONS

The permittee is authorized to dispose of sludge only at a Texas Commission on Environmental Quality (TCEQ) authorized land application site, co-disposal landfill, wastewater treatment facility, or facility that further processes sludge. **The disposal of sludge by land application on property owned, leased or under the direct control of the permittee is a violation of the permit unless the site is authorized with the TCEQ. This provision does not authorize Distribution and Marketing of Class A or Class AB Sewage Sludge. This provision does not authorize the permittee to land apply sludge on property owned, leased or under the direct control of the permittee.**

SECTION I. REQUIREMENTS APPLYING TO ALL SEWAGE SLUDGE LAND APPLICATION

A. General Requirements

1. The permittee shall handle and dispose of sewage sludge in accordance with 30 TAC § 312 and all other applicable state and federal regulations in a manner that protects public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present in the sludge.

2. In all cases, if the person (permit holder) who prepares the sewage sludge supplies the sewage sludge to another person for land application use or to the owner or lease holder of the land, the permit holder shall provide necessary information to the parties who receive the sludge to assure compliance with these regulations.

3. The permittee shall give 180 days prior notice to the Executive Director in care of the Wastewater Permitting Section (MC 148) of the Water Quality Division of any change planned in the sewage sludge disposal practice.

B. Testing Requirements

1. Sewage sludge shall be tested once during the term of this permit in accordance with the method specified in both 40 CFR Part 261, Appendix II and 40 CFR Part 268, Appendix I [Toxicity Characteristic Leaching Procedure (TCLP)] or other method that receives the prior approval of the TCEQ for the contaminants listed in 40 CFR Part 261.24, Table 1. Sewage sludge failing this test shall be managed according to RCRA standards for generators of hazardous waste, and the waste's disposition must be in accordance with all applicable requirements for hazardous waste processing, storage, or disposal. Following failure of any TCLP test, the management or disposal of sewage sludge at a facility other than an authorized hazardous waste processing, storage, or disposal facility shall be prohibited until such time as the permittee can demonstrate the sewage sludge no longer exhibits the hazardous waste toxicity characteristics (as demonstrated by the results of the TCLP tests). A written report shall be provided to both the TCEQ Registration and Reporting Section (MC 129) of the Permitting and Remediation Support Division and the Regional Director (MC Region 10) within seven (7) days after failing the TCLP Test.

The report shall contain test results, certification that unauthorized waste management has stopped and a summary of alternative disposal plans that comply with RCRA standards for the management of hazardous waste. The report shall be addressed to: Director, Registration, Review, and Reporting Division (MC 129), Texas Commission on Environmental Quality, P.O. Box 13087, Austin, Texas 78711-3087. In addition, the permittee shall prepare an annual report on the results of all sludge toxicity testing. This annual report shall be submitted to the TCEQ Regional Office (MC Region 10) and the Compliance Monitoring Team (MC 224) of the Enforcement Division by September 30th of each year. Effective September 1, 2020, the permittee must submit this annual report using the online electronic reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver.

2. Sewage sludge shall not be applied to the land if the concentration of the pollutants exceeds the pollutant concentration criteria in Table 1. The frequency of testing for pollutants in Table 1 is found in Section I.C.

TABLE 1

Pollutant	Ceiling Concentration (Milligrams per kilogram)*
Arsenic	75
Cadmium	85
Chromium	3000
Copper	4300
Lead	840
Mercury	57
Molybdenum	75
Nickel	420
PCBs	49
Selenium	100
Zinc	7500

* Dry weight basis

3. Pathogen Control

All sewage sludge that is applied to agricultural land, forest, a public contact site, or a reclamation site must be treated by one of the following methods to ensure that the sludge meets either the Class A, Class AB or Class B pathogen requirements.

a. For sewage sludge to be classified as Class A with respect to pathogens, the density of fecal coliform in the sewage sludge be less than 1,000 most probable number (MPN) per gram of total solids (dry weight basis), or the density of *Salmonella* sp. bacteria in the sewage sludge be less than three MPN per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed. In addition, one of the alternatives listed below must be met.

Alternative 1 - The temperature of the sewage sludge that is used or disposed shall be maintained at or above a specific value for a period of time. See 30 TAC § 312.82(a)(2)(A) for specific information.

Alternative 5 (PFRP) - Sewage sludge that is used or disposed of must be treated in one of the Processes to Further Reduce Pathogens (PFRP) described in 40 CFR Part 503, Appendix B. PFRP include composting, heat drying, heat treatment, and thermophilic aerobic digestion.

Alternative 6 (PFRP Equivalent) - Sewage sludge that is used or disposed of must be treated in a process that has been approved by the U. S. Environmental Protection Agency as being equivalent to those in Alternative 5.

b. For sewage sludge to be classified as Class AB with respect to pathogens, the density of fecal coliform in the sewage sludge be less than 1,000 MPN per gram of total solids (dry weight basis), or the density of *Salmonella* sp. bacteria in the sewage sludge be less than three MPN per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed. In addition, one of the alternatives listed below must be met.

Alternative 2 - The pH of the sewage sludge that is used or disposed shall be raised to above 12 std. units and shall remain above 12 std. units for 72 hours.

The temperature of the sewage sludge shall be above 52° Celsius for 12 hours or longer during the period that the pH of the sewage sludge is above 12 std. units.

At the end of the 72-hour period during which the pH of the sewage sludge is above 12 std. units, the sewage sludge shall be air dried to achieve a percent solids in the sewage sludge greater than 50%.

Alternative 3 - The sewage sludge shall be analyzed for enteric viruses prior to pathogen treatment. The limit for enteric viruses is less than one Plaque-forming Unit per four grams of total solids (dry weight basis) either before or following pathogen treatment. See 30 TAC § 312.82(a)(2)(C)(i-iii) for specific information. The sewage sludge shall be analyzed for viable helminth ova prior to pathogen treatment. The limit for viable helminth ova is less than one per four grams of total solids (dry weight basis) either before or following pathogen treatment. See 30 TAC § 312.82(a)(2)(C)(iv-vi) for specific information.

Alternative 4 - The density of enteric viruses in the sewage sludge shall be less than one Plaque-forming Unit per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed. The density of viable helminth ova in the sewage sludge shall be less than one per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed.

c. Sewage sludge that meets the requirements of Class AB sewage sludge may be classified a Class A sewage sludge if a variance request is submitted in writing that is supported by substantial documentation demonstrating equivalent methods for reducing odors and written approval is granted by the executive director. The executive director may deny the variance request or revoke that approved variance if it is determined that the variance may potentially endanger human health or the environment, or create nuisance odor conditions.

d. Three alternatives are available to demonstrate compliance with Class B criteria for

sewage sludge.

Alternative 1

i. A minimum of seven random samples of the sewage sludge shall be collected within 48 hours of the time the sewage sludge is used or disposed of during each monitoring episode for the sewage sludge.

ii. The geometric mean of the density of fecal coliform in the samples collected shall be less than either 2,000,000 MPN per gram of total solids (dry weight basis) or 2,000,000 Colony Forming Units per gram of total solids (dry weight basis).

Alternative 2 - Sewage sludge that is used or disposed of shall be treated in one of the Processes to Significantly Reduce Pathogens (PSRP) described in 40 CFR Part 503, Appendix B, so long as all of the following requirements are met by the generator of the sewage sludge.

i. Prior to use or disposal, all the sewage sludge must have been generated from a single location, except as provided in paragraph v. below;

ii. An independent Texas Licensed Professional Engineer must make a certification to the generator of a sewage sludge that the wastewater treatment facility generating the sewage sludge is designed to achieve one of the PSRP at the permitted design loading of the facility. The certification need only be repeated if the design loading of the facility is increased. The certification shall include a statement indicating the design meets all the applicable standards specified in Appendix B of 40 CFR Part 503;

iii. Prior to any off-site transportation or on-site use or disposal of any sewage sludge generated at a wastewater treatment facility, the chief certified operator of the wastewater treatment facility or other responsible official who manages the processes to significantly reduce pathogens at the wastewater treatment facility for the permittee, shall certify that the sewage sludge underwent at least the minimum operational requirements necessary in order to meet one of the PSRP. The acceptable processes and the minimum operational and record keeping requirements shall be in accordance with established U.S. Environmental Protection Agency final guidance;

iv. All certification records and operational records describing how the requirements of this paragraph were met shall be kept by the generator for a minimum of three years and be available for inspection by commission staff for review; and

v. If the sewage sludge is generated from a mixture of sources, resulting from a person who prepares sewage sludge from more than one wastewater treatment facility, the resulting derived product shall meet one of the PSRP, and shall meet the certification, operation, and record keeping requirements of this paragraph.

Alternative 3 - Sewage sludge shall be treated in an equivalent process that has been approved by the U.S. Environmental Protection Agency, so long as all of the following requirements are met by the generator of the sewage sludge.

i. Prior to use or disposal, all the sewage sludge must have been generated from a

single location, except as provided in paragraph v. below;

ii. Prior to any off-site transportation or on-site use or disposal of any sewage sludge generated at a wastewater treatment facility, the chief certified operator of the wastewater treatment facility or other responsible official who manages the processes to significantly reduce pathogens at the wastewater treatment facility for the permittee, shall certify that the sewage sludge underwent at least the minimum operational requirements necessary in order to meet one of the PSRP. The acceptable processes and the minimum operational and record keeping requirements shall be in accordance with established U.S. Environmental Protection Agency final guidance;

iii. All certification records and operational records describing how the requirements of this paragraph were met shall be kept by the generator for a minimum of three years and be available for inspection by commission staff for review;

iv. The Executive Director will accept from the U.S. Environmental Protection Agency a finding of equivalency to the defined PSRP; and

v. If the sewage sludge is generated from a mixture of sources resulting from a person who prepares sewage sludge from more than one wastewater treatment facility, the resulting derived product shall meet one of the Processes to Significantly Reduce Pathogens, and shall meet the certification, operation, and record keeping requirements of this paragraph.

In addition, the following site restrictions must be met if Class B sludge is land applied:

i. Food crops with harvested parts that touch the sewage sludge/soil mixture and are totally above the land surface shall not be harvested for 14 months after application of sewage sludge.

ii. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after application of sewage sludge when the sewage sludge remains on the land surface for 4 months or longer prior to incorporation into the soil.

iii. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months after application of sewage sludge when the sewage sludge remains on the land surface for less than 4 months prior to incorporation into the soil.

iv. Food crops, feed crops, and fiber crops shall not be harvested for 30 days after application of sewage sludge.

v. Animals shall not be allowed to graze on the land for 30 days after application of sewage sludge.

vi. Turf grown on land where sewage sludge is applied shall not be harvested for 1 year after application of the sewage sludge when the harvested turf is placed on either land with a high potential for public exposure or a lawn.

vii. Public access to land with a high potential for public exposure shall be restricted for 1 year after application of sewage sludge.
viii. Public access to land with a low potential for public exposure shall be restricted for 30 days after application of sewage sludge.

ix. Land application of sludge shall be in accordance with the buffer zone requirements found in 30 TAC § 312.44.

4. Vector Attraction Reduction Requirements

All bulk sewage sludge that is applied to agricultural land, forest, a public contact site, or a reclamation site shall be treated by one of the following Alternatives 1 through 10 for vector attraction reduction.

Alternative 1 - The mass of volatile solids in the sewage sludge shall be reduced by a minimum of 38%.

Alternative 2 - If Alternative 1 cannot be met for an anaerobically digested sludge, demonstration can be made by digesting a portion of the previously digested sludge anaerobically in the laboratory in a bench-scale unit for 40 additional days at a temperature between 30° and 37° Celsius. Volatile solids must be reduced by less than 17% to demonstrate compliance.

Alternative 3 - If Alternative 1 cannot be met for an aerobically digested sludge, demonstration can be made by digesting a portion of the previously digested sludge with percent solids of two percent or less aerobically in the laboratory in a bench-scale unit for 30 additional days at 20° Celsius. Volatile solids must be reduced by less than 15% to demonstrate compliance.

Alternative 4 - The specific oxygen uptake rate (SOUR) for sewage sludge treated in an aerobic process shall be equal to or less than 1.5 milligrams of oxygen per hour per gram of total solids (dry weight basis) at a temperature of 20° Celsius.

Alternative 5 - Sewage sludge shall be treated in an aerobic process for 14 days or longer. During that time, the temperature of the sewage sludge shall be higher than 40° Celsius and the average temperature of the sewage sludge shall be higher than 45° Celsius.

Alternative 6 - The pH of sewage sludge shall be raised to 12 or higher by alkali addition and, without the addition of more alkali shall remain at 12 or higher for two hours and then remain at a pH of 11.5 or higher for an additional 22 hours at the time the sewage sludge is prepared for sale or given away in a bag or other container.

Alternative 7 - The percent solids of sewage sludge that does not contain unstabilized solids generated in a primary wastewater treatment process shall be equal to or greater than 75% based on the moisture content and total solids prior to mixing with other materials. Unstabilized solids are defined as organic materials in sewage sludge that have not been

treated in either an aerobic or anaerobic treatment process.

Alternative 8 - The percent solids of sewage sludge that contains unstabilized solids generated in a primary wastewater treatment process shall be equal to or greater than 90% based on the moisture content and total solids prior to mixing with other materials at the time the sludge is used. Unstabilized solids are defined as organic materials in sewage sludge that have not been treated in either an aerobic or anaerobic treatment process.

Alternative 9 -

i. Sewage sludge shall be injected below the surface of the land.

ii. No significant amount of the sewage sludge shall be present on the land surface within one hour after the sewage sludge is injected.

iii. When sewage sludge that is injected below the surface of the land is Class A or Class AB with respect to pathogens, the sewage sludge shall be injected below the land surface within eight hours after being discharged from the pathogen treatment process.

Alternative 10-

i. Sewage sludge applied to the land surface or placed on a surface disposal site shall be incorporated into the soil within six hours after application to or placement on the land.

ii. When sewage sludge that is incorporated into the soil is Class A or Class AB with respect to pathogens, the sewage sludge shall be applied to or placed on the land within eight hours after being discharged from the pathogen treatment process.

C. Monitoring Requirements

Toxicity Characteristic Leaching Procedure (TCLP) Test	- once during the term of this permit
PCBs	- once during the term of this permit

All metal constituents and fecal coliform or *Salmonella* sp. bacteria shall be monitored at the appropriate frequency shown below, pursuant to 30 TAC § 312.46(a)(1):

Amount of sewage sludge (*) metric tons per 365-day period	Monitoring Frequency
0 to less than 290	Once/Year
290 to less than 1,500	Once/Quarter
1,500 to less than 15,000	Once/Two Months
15,000 or greater	Once/Month

(*) *The amount of bulk sewage sludge applied to the land (dry wt. basis).*

Representative samples of sewage sludge shall be collected and analyzed in accordance with the methods referenced in 30 TAC § 312.7

Identify each of the analytic methods used by the facility to analyze enteric viruses, fecal coliforms, helminth ova, *Salmonella sp.*, and other regulated parameters.

Identify in the following categories (as applicable) the sewage sludge treatment process or processes at the facility: preliminary operations (*e.g.*, sludge grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (*e.g.*, beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (*e.g.*, centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.

Identify the nature of material generated by the facility (such as a biosolid for beneficial use or land-farming, or sewage sludge for disposal at a monofill) and whether the material is ultimately conveyed off-site in bulk or in bags.

SECTION II. REQUIREMENTS SPECIFIC TO BULK SEWAGE SLUDGE FOR APPLICATION TO THE LAND MEETING CLASS A, CLASS AB or B PATHOGEN REDUCTION AND THE CUMULATIVE LOADING RATES IN TABLE 2, OR CLASS B PATHOGEN REDUCTION AND THE POLLUTANT CONCENTRATIONS IN TABLE 3

For those permittees meeting Class A, Class AB or B pathogen reduction requirements and that meet the cumulative loading rates in Table 2 below, or the Class B pathogen reduction requirements and contain concentrations of pollutants below listed in Table 3, the following conditions apply:

A. Pollutant Limits

Table 2

Pollutant	Cumulative Pollutant Loading Rate (pounds per acre)*
Arsenic	36
Cadmium	35
Chromium	2677
Copper	1339
Lead	268
Mercury	15
Molybdenum	Report Only
Nickel	375
Selenium	89
Zinc	2500

Table 3

Pollutant	Monthly Average Concentration (milligrams per kilogram)*
Arsenic	41
Cadmium	39
Chromium	1200
Copper	1500
Lead	300
Mercury	17
Molybdenum	Report Only
Nickel	420
Selenium	36
Zinc	2800

*Dry weight basis

B. Pathogen Control

All bulk sewage sludge that is applied to agricultural land, forest, a public contact site, a reclamation site, shall be treated by either Class A, Class AB or Class B pathogen reduction requirements as defined above in Section I.B.3.

C. Management Practices

1. Bulk sewage sludge shall not be applied to agricultural land, forest, a public contact site, or a reclamation site that is flooded, frozen, or snow-covered so that the bulk sewage sludge enters a wetland or other waters in the State.

2. Bulk sewage sludge not meeting Class A requirements shall be land applied in a manner which complies with Applicability in accordance with 30 TAC §312.41 and the Management Requirements in accordance with 30 TAC § 312.44.

3. Bulk sewage sludge shall be applied at or below the agronomic rate of the cover crop.

4. An information sheet shall be provided to the person who receives bulk sewage sludge sold or given away. The information sheet shall contain the following information:

   a. The name and address of the person who prepared the sewage sludge that is sold or given away in a bag or other container for application to the land.

   b. A statement that application of the sewage sludge to the land is prohibited except in accordance with the instruction on the label or information sheet.

   c. The annual whole sludge application rate for the sewage sludge application rate for the sewage sludge that does not cause any of the cumulative pollutant loading rates in Table 2 above to be exceeded, unless the pollutant concentrations in Table 3 found in Section II above are met.

D. Notification Requirements

1. If bulk sewage sludge is applied to land in a State other than Texas, written notice shall be provided prior to the initial land application to the permitting authority for the State in which the bulk sewage sludge is proposed to be applied. The notice shall include:

   a. The location, by street address, and specific latitude and longitude, of each land application site.

   b. The approximate time period bulk sewage sludge will be applied to the site.

   c. The name, address, telephone number, and National Pollutant Discharge Elimination System permit number (if appropriate) for the person who will apply the bulk sewage sludge.

2. The permittee shall give 180 days prior notice to the Executive Director in care of the Wastewater Permitting Section (MC 148) of the Water Quality Division of any change planned in the sewage sludge disposal practice.

E. Record keeping Requirements

The sludge documents will be retained at the facility site and/or shall be readily available for review by a TCEQ representative. The person who prepares bulk sewage sludge or a sewage sludge material shall develop the following information and shall retain the information at

the facility site and/or shall be readily available for review by a TCEQ representative for a period of five years. If the permittee supplies the sludge to another person who land applies the sludge, the permittee shall notify the land applier of the requirements for record keeping found in 30 TAC § 312.47 for persons who land apply.

1. The concentration (mg/kg) in the sludge of each pollutant listed in Table 3 above and the applicable pollutant concentration criteria (mg/kg), or the applicable cumulative pollutant loading rate and the applicable cumulative pollutant loading rate limit (lbs/ac) listed in Table 2 above.

2. A description of how the pathogen reduction requirements are met (including site restrictions for Class AB and Class B sludge, if applicable).

3. A description of how the vector attraction reduction requirements are met.

4. A description of how the management practices listed above in Section II.C are being met.

5. The following certification statement:

   "I certify, under penalty of law, that the applicable pathogen requirements in 30 TAC § 312.82(a) or (b) and the vector attraction reduction requirements in 30 TAC § 312.83(b) have been met for each site on which bulk sewage sludge is applied. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the management practices have been met. I am aware that there are significant penalties for false certification including fine and imprisonment."

6. The recommended agronomic loading rate from the references listed in Section II.C.3. above, as well as the actual agronomic loading rate shall be retained. The person who applies bulk sewage sludge or a sewage sludge material shall develop the following information and shall retain the information at the facility site and/or shall be readily available for review by a TCEQ representative indefinitely. If the permittee supplies the sludge to another person who land applies the sludge, the permittee shall notify the land applier of the requirements for record keeping found in 30 TAC § 312.47 for persons who land apply:

   a. A certification statement that all applicable requirements (specifically listed) have been met, and that the permittee understands that there are significant penalties for false certification including fine and imprisonment. See 30 TAC § 312.47(a)(4)(A)(ii) or 30 TAC § 312.47(a)(5)(A)(ii), as applicable, and to the permittee's specific sludge treatment activities.

   b. The location, by street address, and specific latitude and longitude, of each site on which sludge is applied.

   c. The number of acres in each site on which bulk sludge is applied.

   d. The date and time sludge is applied to each site.

e. The cumulative amount of each pollutant in pounds/acre listed in Table 2 applied to each site.

f. The total amount of sludge applied to each site in dry tons.

The above records shall be maintained on-site on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

F. Reporting Requirements

The permittee shall report annually to the TCEQ Regional Office (MC Region 10) and Compliance Monitoring Team (MC 224) of the Enforcement Division, by September 30th of each year the following information. Effective September 1, 2020, the permittee must submit this annual report using the online electronic reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver.

1. Identify in the following categories (as applicable) the sewage sludge treatment process or processes at the facility: preliminary operations (*e.g.*, sludge grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (*e.g.*, beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (*e.g.*, centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.

2. Identify the nature of material generated by the facility (such as a biosolid for beneficial use or land-farming, or sewage sludge for disposal at a monofill) and whether the material is ultimately conveyed off-site in bulk or in bags.

3. Results of tests performed for pollutants found in either Table 2 or 3 as appropriate for the permittee's land application practices.

4. The frequency of monitoring listed in Section I.C. that applies to the permittee.

5. Toxicity Characteristic Leaching Procedure (TCLP) results.

6. PCB concentration in sludge in mg/kg.

7. Identity of hauler(s) and TCEQ transporter number.

8. Date(s) of transport.

9. Texas Commission on Environmental Quality registration number, if applicable.

10. Amount of sludge disposal dry weight (lbs/acre) at each disposal site.

11. The concentration (mg/kg) in the sludge of each pollutant listed in Table 1 (defined as a monthly average) as well as the applicable pollutant concentration criteria (mg/kg) listed in Table 3 above, or the applicable pollutant loading rate limit (lbs/acre) listed in Table 2 above if it exceeds 90% of the limit.

12. Level of pathogen reduction achieved (Class A, Class AB or Class B).

13. Alternative used as listed in Section I.B.3.(a. or b.). Alternatives describe how the pathogen reduction requirements are met. If Class B sludge, include information on how site restrictions were met.

14. Identify each of the analytic methods used by the facility to analyze enteric viruses, fecal coliforms, helminth ova, *Salmonella sp.*, and other regulated parameters.

15. Vector attraction reduction alternative used as listed in Section I.B.4.

16. Amount of sludge transported in dry tons/year.

17. The certification statement listed in either 30 TAC § 312.47(a)(4)(A)(ii) or 30 TAC § 312.47(a)(5)(A)(ii) as applicable to the permittee's sludge treatment activities, shall be attached to the annual reporting form.

18. When the amount of any pollutant applied to the land exceeds 90% of the cumulative pollutant loading rate for that pollutant, as described in Table 2, the permittee shall report the following information as an attachment to the annual reporting form.

    a. The location, by street address, and specific latitude and longitude.

    b. The number of acres in each site on which bulk sewage sludge is applied.

    c. The date and time bulk sewage sludge is applied to each site.

    d. The cumulative amount of each pollutant (i.e., pounds/acre) listed in Table 2 in the bulk sewage sludge applied to each site.

    e. The amount of sewage sludge (i.e., dry tons) applied to each site.

The above records shall be maintained on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

SECTION III. REQUIREMENTS APPLYING TO ALL SEWAGE SLUDGE DISPOSED IN A MUNICIPAL SOLID WASTE LANDFILL

A. The permittee shall handle and dispose of sewage sludge in accordance with 30 TAC § 330 and all other applicable state and federal regulations to protect public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present. The permittee shall ensure that the sewage sludge meets the requirements in 30 TAC § 330 concerning the quality of the sludge disposed in a municipal solid waste landfill.

B. If the permittee generates sewage sludge and supplies that sewage sludge to the owner or operator of a municipal solid waste landfill (MSWLF) for disposal, the permittee shall provide to the owner or operator of the MSWLF appropriate information needed to be in compliance with the provisions of this permit.

C. The permittee shall give 180 days prior notice to the Executive Director in care of the Wastewater Permitting Section (MC 148) of the Water Quality Division of any change planned in the sewage sludge disposal practice.

D. Sewage sludge shall be tested once during the term of this permit in accordance with the method specified in both 40 CFR Part 261, Appendix II and 40 CFR Part 268, Appendix I (Toxicity Characteristic Leaching Procedure) or other method, which receives the prior approval of the TCEQ for contaminants listed in Table 1 of 40 CFR § 261.24. Sewage sludge failing this test shall be managed according to RCRA standards for generators of hazardous waste, and the waste's disposition must be in accordance with all applicable requirements for hazardous waste processing, storage, or disposal.

Following failure of any TCLP test, the management or disposal of sewage sludge at a facility other than an authorized hazardous waste processing, storage, or disposal facility shall be prohibited until such time as the permittee can demonstrate the sewage sludge no longer exhibits the hazardous waste toxicity characteristics (as demonstrated by the results of the TCLP tests). A written report shall be provided to both the TCEQ Registration and Reporting Section (MC 129) of the Permitting and Remediation Support Division and the Regional Director (MC Region 10) of the appropriate TCEQ field office within 7 days after failing the TCLP Test.

The report shall contain test results, certification that unauthorized waste management has stopped and a summary of alternative disposal plans that comply with RCRA standards for the management of hazardous waste. The report shall be addressed to: Director, Registration, Review, and Reporting Division (MC 129), Texas Commission on Environmental Quality, P. O. Box 13087, Austin, Texas 78711-3087. In addition, the permittee shall prepare an annual report on the results of all sludge toxicity testing. This annual report shall be submitted to the TCEQ Regional Office (MC Region 10) and the Compliance Monitoring Team (MC 224) of the Enforcement Division by September 30 of each year.

E. Sewage sludge shall be tested as needed, in accordance with the requirements of 30 TAC Chapter 330.

F. Record keeping Requirements

The permittee shall develop the following information and shall retain the information for five years.

1. The description (including procedures followed and the results) of all liquid Paint Filter Tests performed.

2. The description (including procedures followed and results) of all TCLP tests performed.

The above records shall be maintained on-site on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

G. Reporting Requirements

The permittee shall report annually to the TCEQ Regional Office (MC Region 10) and Compliance Monitoring Team (MC 224) of the Enforcement Division by September 30th of each year the following information. Effective September 1, 2020, the permittee must submit this annual report using the online electronic reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver.

1. Identify in the following categories (as applicable) the sewage sludge treatment process or processes at the facility: preliminary operations (*e.g.*, sludge grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (*e.g.*, beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (*e.g.*, centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.

2. Toxicity Characteristic Leaching Procedure (TCLP) results.

3. Annual sludge production in dry tons/year.

4. Amount of sludge disposed in a municipal solid waste landfill in dry tons/year.

5. Amount of sludge transported interstate in dry tons/year.

6. A certification that the sewage sludge meets the requirements of 30 TAC § 330 concerning the quality of the sludge disposed in a municipal solid waste landfill.

7. Identity of hauler(s) and transporter registration number.

8. Owner of disposal site(s).

9. Location of disposal site(s).

10. Date(s) of disposal.

The above records shall be maintained on-site on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

SECTION IV. REQUIREMENTS APPLYING TO SLUDGE TRANSPORTED TO ANOTHER FACILITY FOR FURTHER PROCESSING

These provisions apply to sludge that is transported to another wastewater treatment facility or facility that further processes sludge. These provisions are intended to allow transport of sludge to facilities that have been authorized to accept sludge. These provisions do not limit the ability of the receiving facility to determine whether to accept the sludge, nor do they limit the ability of the receiving facility to request additional testing or documentation.

A. General Requirements

1. The permittee shall handle and dispose of sewage sludge in accordance with 30 TAC Chapter 312 and all other applicable state and federal regulations in a manner that protects public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present in the sludge.

2. Sludge may only be transported using a registered transporter or using an approved pipeline.

B. Record Keeping Requirements

1. For sludge transported by an approved pipeline, the permittee must maintain records of the following:

   a. the amount of sludge transported;

   b. the date of transport;

   c. the name and TCEQ permit number of the receiving facility or facilities;

   d. the location of the receiving facility or facilities;

   e. the name and TCEQ permit number of the facility that generated the waste; and

   f. copy of the written agreement between the permittee and the receiving facility to accept sludge.

2. For sludge transported by a registered transporter, the permittee must maintain records of the completed trip tickets in accordance with 30 TAC § 312.145(a)(1)-(7) and amount of sludge transported.

3. The above records shall be maintained on-site on a monthly basis and shall be made available to the TCEQ upon request. These records shall be retained for at least five years.

C. Reporting Requirements

The permittee shall report the following information annually to the TCEQ Regional Office (MC Region 10) and Compliance Monitoring Team (MC 224) of the Enforcement Division, by September 30th of each year. Effective September 1, 2020, the permittee must submit this annual report using the online electronic reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver.

1. Identify in the following categories (as applicable) the sewage sludge treatment process or processes at the facility: preliminary operations (*e.g.*, sludge grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (*e.g.*, beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (*e.g.*, centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.

2. the annual sludge production;

3. the amount of sludge transported;

4. the owner of each receiving facility;

5. the location of each receiving facility; and

6. the date(s) of disposal at each receiving facility.

TCEQ Revision 01/2016

OTHER REQUIREMENTS

1. The permittee shall employ or contract with one or more licensed wastewater treatment facility operators or wastewater system operations companies holding a valid license or registration according to the requirements of 30 TAC Chapter 30, Occupational Licenses and Registrations, and in particular 30 TAC Chapter 30, Subchapter J, Wastewater Operators and Operations Companies.

   This Category C facility must be operated by a chief operator or an operator holding a Category C license or higher. The facility must be operated a minimum of five days per week by the licensed chief operator or an operator holding the required level of license or higher. The licensed chief operator or operator holding the required level of license or higher must be available by telephone or pager seven days per week. Where shift operation of the wastewater treatment facility is necessary, each shift which does not have the on-site supervision of the licensed chief operator must be supervised by an operator in charge who is licensed not less than one level below the category for the facility.

2. The facility is not located in the Coastal Management Program boundary.

3. The permittee shall provide facilities for the protection of its wastewater treatment facility from a 100-year flood.

4. In accordance with 30 TAC § 319.9, a permittee that has at least twelve months of uninterrupted compliance with its bacteria limit may notify the commission in writing of its compliance and request a less frequent measurement schedule. To request a less frequent schedule, the permittee shall submit a written request to the TCEQ Wastewater Permitting Section (MC 148) for each phase that includes a different monitoring frequency. The request must contain all of the reported bacteria values (Daily Avg. and Daily Max/Single Grab) for the twelve consecutive months immediately prior to the request. If the Executive Director finds that a less frequent measurement schedule is protective of human health and the environment, the permittee may be given a less frequent measurement schedule. For this permit, 2/month may be reduced to 1/month. **A violation of any bacteria limit by a facility that has been granted a less frequent measurement schedule will require the permittee to return to the standard frequency schedule and submit written notice to the TCEQ Wastewater Permitting Section (MC 148).** The permittee may not apply for another reduction in measurement frequency for at least 24 months from the date of the last violation. The Executive Director may establish a more frequent measurement schedule if necessary to protect human health or the environment.

5. The operational requirements of the existing permit specify that whenever flow measurements for any domestic sewage treatment facility reach 75 percent of the permitted daily average flow for three consecutive months, the permittee must initiate engineering and financial planning for expansion and/or upgrading the domestic wastewater treatment and/or collection facilities. Whenever the flow reaches 90 percent of the permitted daily average for three consecutive months, the permittee shall obtain necessary authorization from the Commission to commence construction of the necessary additional treatment and/or collection facilities. In the case of a domestic wastewater facility which reaches 75 percent of the permitted daily average or annual flow for three consecutive months, and the planned population to be served or the quantity of waste produced is not expected to exceed the design limitations of the treatment facility, the permittee shall submit an engineering report supporting this claim to the Executive Director of the Commission.

If in the judgement of the Executive Director, the population to be served will not cause permit noncompliance, then the requirement of this section may be waived. To be effective, any waiver must be in writing and signed by the Director of the Enforcement Division (MC 219) of the Commission, and such a waiver of these requirements will be reviewed upon expiration of the existing permit; however, any such waiver shall not be interpreted as condoning or excusing any violation of any permit parameter.

The permittee shall submit quarterly progress reports to monitor the improvements made by the permittee to address infiltration and inflow as well as other violations outlined in Agreed Order 2016-0449-MWD-E in accordance with the following schedule. The requirement to submit quarterly progress reports expires at the next permit action or renewal. At that time, the compliance history and improvements by the City will be evaluated to determine if this requirement should be revised or continued.

PROGRESS REPORT DATES: January 1, April 1, July 1, October 1.

The quarterly progress reports must contain a discussion of the events listed in schedule of activities that have been completed at the time of the report and their effect, if any, on the permittee's requirement to initiate engineering and financial planning for expansion and/or upgrading the domestic wastewater treatment and/or collection facilities.

All reports must be submitted to the TCEQ Regional Office (MC Region 10) and Wastewater Permitting Section of the Water Quality Division (MC 148) of the TCEQ.

CONTRIBUTING INDUSTRIES AND PRETREATMENT REQUIREMENTS

1. The following pollutants may not be introduced into the treatment facility:

   a. Pollutants which create a fire or explosion hazard in the publicly owned treatment works (POTW), including, but not limited to, waste streams with a closed-cup flash point of less than 140° Fahrenheit (60° Celsius) using the test methods specified in 40 CFR § 261.21;

   b. Pollutants which will cause corrosive structural damage to the POTW, but in no case shall there be discharges with a pH lower than 5.0 standard units, unless the works are specifically designed to accommodate such discharges;

   c. Solid or viscous pollutants in amounts which will cause obstruction to the flow in the POTW, resulting in Interference;

   d. Any pollutant, including oxygen-demanding pollutants (e.g., biological oxygen demand or BOD), released in a discharge at a flow rate and/or pollutant concentration which will cause Interference with the POTW;

   e. Heat in amounts which will inhibit biological activity in the POTW, resulting in Interference, but in no case shall there be heat in such quantities that the temperature at the POTW treatment plant exceeds 104° Fahrenheit (40° Celsius) unless the Executive Director, upon request of the POTW, approves alternate temperature limits;

   f. Petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin in amounts that will cause Interference or Pass Through;

   g. Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute worker health and safety problems; and

   h. Any trucked or hauled pollutants except at discharge points designated by the POTW.

2. The permittee shall require any indirect discharger to the treatment works to comply with the reporting requirements of Sections 204(b), 307, and 308 of the Clean Water Act, including any requirements established under 40 CFR Part 403 *[rev. Federal Register/ Vol. 70/ No. 198/ Friday, October 14, 2005/ Rules and Regulations, pages 60134-60798].*

3. The permittee shall provide adequate notification to the Executive Director, care of the Wastewater Permitting Section (MC 148) of the Water Quality Division, within 30 days subsequent to the permittee's knowledge of either of the following:

   a. Any new introduction of pollutants into the treatment works from an indirect discharger which would be subject to Sections 301 and 306 of the Clean Water Act if it were directly discharging those pollutants; and

   b. Any substantial change in the volume or character of pollutants being introduced into the treatment works by a source introducing pollutants into the treatment works at the time of issuance of the permit.

   Any notice shall include information on the quality and quantity of effluent to be introduced into the treatment works and any anticipated impact of the change on the quality or quantity of effluent to be discharged from the POTW.

Revised July 2007

Appendix B

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CITY OF SAN AUGUSTINE
WASTEWATER TREATMENT PLANT
PRELIMINARY ENGINEERING REPORT

AUGUST, 2016

Prepared By:

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TBPE Firm Registration No. F-1356

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SECTION 1
EXECUTIVE SUMMARY

The City of San Augustine (the City) retained KSA to analyze and evaluate the existing wastewater treatment plant and to provide recommendations with associated budgetary estimates for operational and treatment improvements. This report presents the results of the evaluation with recommendations for treatment plant improvements. Conclusions and recommendations made by this study are limited by the accuracy of the information available and the assumptions made using engineering judgment.

The purpose of this study is to assess any current deficiencies at the existing San Augustine Wastewater Treatment Plant and to address concerns associated with violations of the Texas Commission on Environmental Quality (TCEQ) 75/90 percent requirements. The TCEQ 75/90 rule requires owners of wastewater collection and treatment systems to begin planning improvements once daily average flows exceed 75 percent of the design capacity for three (3) consecutive months. Documented flows indicate that the City's existing wastewater treatment system consistently has issues with discharge above its permitted flow for extended periods of time, including heavy rainfall periods.

The preliminary opinion of probable project cost in the following table are intended to assist the City with "broad scope budgeting". For specific budget purposes or for financial considerations, an in-depth itemized budget should be developed for the proposed improvements. This opinion of probable project cost include estimates for construction costs, construction contingencies, as well as professional services such as engineering, surveying, geotechnical studies, construction administration, etc.

OPINION OF PROBABLE PROJECT COST FOR RECOMMENDED IMPROVEMENTS	
Wet Weather Flow Equalization Basin	$423,455.00
Headworks Modifications	$809,250.00
Oxidation Ditch Aerators	$294,500.00
Clarifier Rehabilitation and Sludge Pump Station	$741,000.00
Sludge Dewatering Improvements	$1,982,000.00
SUBTOTAL CONSTRUCTION COSTS:	$4,251,000.00
Construction Contingencies (25%):	$1,062,750.00
Non-Construction Costs (30%):	$1,594,125.00
OPINION OF PROBABLE PROJECT COST:	$6,907,875.00

*All units are in 2016 dollars

A complete explanation of the recommended wastewater treatment system improvements are provided in Section 6 of this report.

SECTION 2
INTRODUCTION

2.1 AUTHORIZATION OF REPORT

By an agreement executed April, 2016, the City of San Augustine authorized KSA to prepare a preliminary engineering report recommending improvements, modifications and/or expansion to the City's existing wastewater treatment plant.

2.2. PURPOSE AND SCOPE

The purpose of this study is to provide a preliminary engineering report (PER) to address concerns associated with violation of the 75/90 percent requirements in the City's wastewater discharge permit, including evaluation for modifications and/or expansion of the City's wastewater treatment plant. Recommended additions to the system may include construction and/or renovation/replacement/expansion of treatment systems, plant piping and pumping modifications, and sludge handling improvements.

The following is a summary description of services provided by this project:

- Review existing data for influent rates and constituent levels as provided by the City.
- Develop projections for future influent rates and constituent levels based on population growth projections from the Texas Water Development Board.
- Evaluate the existing treatment units including capacity and performance.
- Evaluate treatment options as well as provide options for the modification of existing treatment units.
- Meet with and discuss the proposed treatment options and/or modifications with the City Staff.
- Develop a draft PER with a preliminary opinion of probable project cost (OPPC).
- Identify and discuss possible funding sources for recommended improvements.
- Meet with the City Staff to discuss the draft PER and OPPC.
- Make modifications to the draft PER and OPPC based on the City's review comments.
- Provide final copies of the PER to the City for its use.
- At the City's option, meet with and provide presentation materials for the City Council to discuss the PER.

2.3 REFERENCES

- "Design Criteria for Domestic Wastewater Systems," 30 Texas Administrative Code 217 (TAC 217), Texas Commission on Environmental Quality.
- "Wastewater Engineering Treatment and Reuse," Metcalf & Eddy, Third Edition.

2.4 ACKNOWLEDGEMENTS

The City WWTP operations staff has provided valuable assistance and support for the development of this report. Wastewater flow and quality data, reports, conditions, and plant operational requirements have been provided by the City staff and have been instrumental in the completion of this report.

3.1 PROJECT PLANNING AREA

The City of San Augustine provides municipal wastewater treatment services in the Deep East Texas area in San Augustine county. The current population of the city is approximately 2,108 (as reported in the 2010 U.S. Census). Location of the existing wastewater treatment plant is shown in Figure 3-1.

Figure 3-1: Aerial Image of the City of San Augustine, Texas (Google Earth Image, 2016)

3.2 WASTEWATER TREATMENT PLANT

3.3.1 General

The City of San Augustine has one wastewater treatment plant and it is identified as the City of San Augustine Wastewater Treatment Plant. The existing wastewater treatment plant (TPDES Permit No. WQ0010268001) is located approximately 5,000 feet northeast of intersection of U.S. Highway 96 and Farm-to-Market Road 147, in San Augustine County, Texas 75972. The Plant discharges to an unnamed tributary; thence to Ayish Bayou; thence to Sam Rayburn Reservoir in Segment No. 0610 of the Neches River Basin. An aerial image of the Plant is shown in Figure 3-2.

Figure 3-2: Aerial Image of the City San Augustine WWTP (Google Earth Image, 2016)

3.3.2 Process Description

Influent wastewater flows by gravity from the collection system and enters the treatment plant at the headworks structure. The wastewater is first directed through a channel with a grit trap that removes heavy settleable grit and a Rotarc mechanical screen to remove any floatables including rags, trash, and miscellaneous debris. Wastewater then flows from the channel to the influent lift station wet well, where it is pumped to the oxidation ditch for secondary treatment.

The type of secondary biological treatment utilized at the Plant is an extended aeration system using an oxidation ditch. Biological treatment is essential to remove biological oxygen demand (BOD) and influent ammonia. Wastewater then flows into two final clarifiers. Final clarifiers remove settleable solids including solids produced by biological growth. Settled water is then chlorinated to remove pathogens. Chlorinated effluent wastewater from the chlorine contact basin is then discharged to an unnamed tributary of the Ayish Bayou.

A portion of the sludge removed from the bottom of the clarifiers is returned (Return Activated Sludge, RAS) to the aeration tank to maintain the bacterial population for BOD and ammonia removal. A portion of the solids are wasted to sludge dewatering containers and the existing sludge drying beds for dewatering and then to the landfill for final disposal. A flow schematic showing the above referenced wastewater treatment plant processes is provided as Exhibit A.

SECTION 4

PROJECTED WASTEWATER FLOWS

4.1 PROJECTED POPULATION AND FUTURE WASTEWATER FLOWS

The projected population data utilized in this analysis was developed by the Texas Water Development Board (TWDB). Using these projections, the service area population within the City of San Augustine will remain flat from approximately 2,108 people in 2010 (U.S. Census) to 2,121 people in the year 2070. These projections are presented in Table 4-1.

Table 4-1

Population Projections for Service Area

YEAR	CITY OF SAN AUGUSTINE
2020 - 2070	2,121

Because the existing San Augustine WWTP is adequately sized to treat the current population's wastewater needs, and no growth is expected in the future, it appears that the WWTP capacity is sufficient to meet the needs of the City for the foreseeable future.

SECTION 5
EVALUATION OF EXISTING WASTEWATER TREATMENT PLANT FACILITIES

5.1 EXISTING WASTEWATER TREATMENT PLANT DISCHARGE EFFLUENT LIMITATIONS

The City's current wastewater discharge permit issued on October 12, 2015 will expire August 1, 2018. A copy of the existing Texas Pollution Discharge Elimination System (TPDES) permit is provided as Appendix A. Current effluent limitations per the existing permit is provided in Table 5-1.

Table 5-1

Existing TPDES Permit Limitations

Parameter	***Current Limit***
Daily Average Flow	0.9 MGD
2-hour Peak Flow	4.37 MGD (3,036 gpm)
CBOD	10 mg/L
TSS	15 mg/L
Ammonia	2 mg/L
E. coli	126 cfu or MPN/100 mL
Effluent Chlorine Residual	1 to 4 mg/L
pH	6-9 SU
Minimum Dissolved Oxygen	5.0 mg/L

The existing treatment plant is capable of meeting its current effluent limitations during low and average flow conditions. Existing TPDES limitations on the wastewater effluent are typical for an extended aeration plant and are not expected to change in the foreseeable future with respect to water quality parameters noted in Table 5-1.

5.2 DESIGN PARAMETERS FOR WASTEWATER TREATMENT PLANT UNITS

Discharge Monitoring Reports (DMRs) and other self reporting data provided by the City for January 2013 through December 2015 was used to obtain the plant design parameters for wastewater treatment plant performance and evaluation. Influent BOD, TSS and ammonia concentration data were obtained from Eastex Environmental Laboratory for the period of January 2015 through June 2016. Design parameters of interest for a typical domestic wastewater treatment plant include BOD loading, TSS loading, ammonia loading, and dissolved oxygen (DO levels). Chlorine levels and pH are other critical parameters that are associated with a domestic wastewater treatment plant. Of the above design parameters BOD, TSS, ammonia, and DO levels determine the treatment methods, tank sizes, and associated equipment requirements.

Summary of the data provided by the city is provided as Appendix B. Based on the data provided, the daily average monthly wastewater flow for years 2013 through 2015 was 0.568 MGD. The daily maximum monthly flow of 3.33 MGD was recorded during March 2016, while the minimum average monthly flow of 0.255 MGD was recorded during September 2015.

As can be seen in Table 5-2, below, the average influent BOD, TSS, and ammonia loadings at the San Augustine WWTP are much lower compared to the typical influent data observed in other similar wastewater treatment plants is East Texas. Typical values are 250 mg/L, 300 mg/L, and 30 mg/L, respectively.

Table 5-2

San Augustine Wastewater Treatment Plant Average Influent Parameter Concentrations Compared to Typical Values

Parameter	***Average Influent Values: January 2013 - June 2016***	***Typical Influent Values[1]***
BOD_5	51 mg/L	250 mg/L
TSS	60 mg/L	300 mg/L
NH_3-N	13 mg/L	30 mg/L

[1]Typical as observed at similar wastewater treatment plants in East Texas.

For analysis purposes, selected average design BOD, TSS, and ammonia concentrations are 250 mg/L, 300 mg/L, and 30 mg/L respectively.

The existing wastewater treatment plant was evaluated using the Title 30 of the Texas Administrative Code (TAC), Chapter 217, "Design Criteria for Domestic Wastewater System." 30 TAC. 217 rules provide the guidelines for the design of a wastewater treatment plant. The current permitted plant design flow of 0.9 MGD and a two-hour peak flow of 4.37 MGD was used in the analysis of existing wastewater treatment plant.

5.3 EVALUATION OF EXISTING WASTEWATER TREATMENT PLANT UNITS

Current wastewater treatment units were evaluated using 30 TAC 217 rules per the following design parameters:

Design flow: 0.9 MGD
Peak flow: 4.37 MGD (3,036 gpm)
BOD concentration: 250 mg/L
TSS concentration: 300 mg/L
Ammonia concentration: 30 mg/L

Analyses were performed on the current wastewater treatment unit configuration of influent bar screen, aeration basin, secondary clarifiers, and chlorine contact units; current sludge handling units consisting of return activated sludge / waste activated sludge (RAS/WAS) pumps, sludge dewatering containers and drying beds. Results of the analysis are provided in Appendix C and are discussed below.

5.3.1 Bar Screen

The existing headworks structure at the San Augustine Wastewater Treatment Plant (the Plant) consists of a grit trap, one mechanical bar screen and one manual bar screen. Design criteria under 30 TAC 217 for a manually cleaned bar screen include: a) 30-degree to 60-degree slope to horizontal platform; b) bar screen opening greater than 0.5 inch; c) inlet channel is designed to minimize the deposition of solids; and d) velocity more than 1 fps and less than 3 fps through the screen openings at design flow.

Compliance with the 30 TAC 217 regulations for coarse and fine screening devices could not be determined as the angle of the screen and it's opening size could not be determined by the existing WWTP drawings or readily measured in the field.

5.3.2 Influent Lift Station

The existing influent lift station consists of three 15 hp influent raw wastewater pumps. Each pump is a constant speed self-priming centrifugal pump. KSA requested information regarding these pumps based on their serial numbers from the manufacturer. Unfortunately, the manufacturer was unable to find the requested information. However, based on general information pertaining to the pump model number and motor horsepower, these pumps are most likely rated for 1,520 gpm or 2.185 MGD each. As influent pumps are typically sized to handle the 2-hour peak flow with one pump out of service. Therefore, the influent lift station most likely has a firm pumping capacity of 3,036 gpm or 4.37 MGD. For the purpose of this study, it is assumed that the existing lift station meets both the current design flow requirement of 0.9 MGD and can meet a peak flow requirement of 4.37 MGD with one pump out of service.

5.3.3 Aeration Basin

The San Augustine WWTP utilizes a single stage extended aeration basin (oxidation ditch) to treat influent Biochemical Oxygen Demand (BOD) and Ammonia (NH_3-N). The extended aeration basin was evaluated using 30 TAC 217. The maximum organic loading rate (per 30 TAC 217) for an extended aeration activated sludge process is 15 pounds BOD_5/day/1000 cubic feet. Based on a plant flow of 0.9 MGD and a BOD concentration of 250 mg/L, the existing organic loading is 14.10 pounds BOD_5/day/1000 cubic feet and is less than the maximum allowable organic loading for an extended aeration plant. Please note that no record plans with dimensions for the aeration basin were available to determine the exact volume. These were assumed based on scaling existing drawings and Google Earth images.

TCEQ rules mandate a minimum of two tanks for a design flow greater than 0.4 MGD; and a minimum freeboard of 18 inches at a peak flow. The San Augustine WWTP is exempt from the two tank requirement because the aeration equipment is removable without taking the basin out of service. However, based on the calculated Plant hydraulics, the existing oxidation ditch does not appear to provide the minimum freeboard requirements of 18 inches at 2 hour peak flow.

5.3.4 Aeration System

TCEQ rules mandate that a minimum Dissolved Oxygen (DO) concentration of 2.0 milligrams per liter be maintained throughout the basin at the maximum diurnal organic loading rate. Minimum oxygen requirements of 2.20 lbs of oxygen per lb of BOD and a BOD loading of 250 mg/L at 0.9 mgd was used to calculate an oxygen requirement of 172 lbs O_2/hr. Using a clean water oxygen transfer efficiency (CWOTE) of 2 lbs O_2/hp-hr for the Airoflo rotors for non-innovative technologies, the calculated CWOTE is 80 lbs O_2/hr-ft based on two operating mechanical aeration devices at 20 hp a piece. Next, the wastewater oxygen transfer efficiency was calculated based on a ratio of 0.65 clean water oxygen transfer efficiency/wastewater oxygen transfer efficiency, equating to an WOTE of 52 lbs O_2/hr-ft. Using the WOTE, the required

rotor length for the Plant design loading is 3 ft. If all three rotors (one out for maintenance) were operating, the length of the existing aerator rotors is approximately 40 ft. Therefore, the existing aeration equipment appears to meet the 30 TAC 217 requirement for transfer of oxygen to the aeration basin.

Minimum mixing requirements for an aeration basin with a channel or basin layout must exceed 100 hp/MG of basin volume, or 0.75 hp/1,000 ft^3 of basin volume. Based on the approximate volume of the aeration basin, the basin is required to have mechanical mixing total of 99.79 hp. The existing mechanical aerators, if all four were operational, only provide 80 hp. Therefore, the mechanical aeration devices when applied to the mixing requirements appear deficient.

5.3.5 Clarifiers

The Plant utilizes two secondary clarifiers to remove sludge from the waste stream. TCEQ rules require the vertical flow velocity through inlet stilling well to be less than 0.15 fps. Each clarifier at the plant has a 12 ft diameter inlet stilling well each to provide uniform flow. The average vertical flow velocity through the inlet stilling well for a peak flow of 3,036 gpm is about 0.03 fps, which meets the requirement. The existing clarifiers are provided with mechanical skimmers as mandated by TAC 217 for plants with design flow greater than 10,000 gpd. Required maximum effluent weir loading for a plant with design flow less than 1.0 MGD is 20,000 gpd/ft. Based on total weir length of 190.5 ft per clarifier, the calculated weir loading of 11,469 gpd/ft is less than the maximum allowable weir loading of 20,000 gpd/ft. Existing clarifiers are provided with means of transferring sludge to subsequent sludge processing units as required.

A clarifier maximum overflow rate of 800 gpd/ft^2 is required per TCEQ rules. Based on the current 2-hour peak flow of 3,036 gpm and a total clarifier area of 5,781 ft^2, the average overflow rate for the clarifiers is estimated at 756 gpd/ft^2 and is less than the maximum allowed overflow rate. 30 TAC 217 rules require a minimum side water depth of 10 feet for clarifiers with a surface area that is equal to or greater than 300 ft^2. Based on the head of water over the effluent weirs at peak flow, the clarifiers have a side water depth of 9.78 ft based on KSA hydraulic calculations. Currently, the clarifiers do not appear to meet TCEQ's side water depth

requirement. Using a total effective clarifier volume of 56,829 cubic feet and a 2-hour peak flow of 3,036 gpm, the detention time for the clarifier is 2.3 hours, and is greater than the minimum required effective detention time of 2.20 hours.

5.3.6 Return Activated Sludge (RAS) Pumps

The Plant uses two 5 hp RAS/WAS pumps to return sludge from the clarifiers to the oxidation ditch and to waste sludge to the sludge dewatering containers and drying beds. RAS pumps convey sludge to maintain the bacterial concentration in the oxidation ditch by returning a portion of the settled sludge from the clarifier. TCEQ rules under 30 TAC 217 mandate an underflow rate of at least 200 to a maximum 400 gpd/ft^2 for each clarifier. Based on the required underflow rates and a total clarifier area of 11,343.25 ft^2, a return sludge pump capacity of 803 gpm (200 gpd/ft^2) to 1,606 gpm (400 gpd/ft^2) is required for the existing system. Based on the lower end of the RAS sludge capacity (803 gpm), the existing RAS sludge line maintains an average velocity of 9.11 feet per second (fps). However, at higher end of the RAS sludge pump capacity (1,606 gpm); average velocity of sludge through its existing 6-inch RAS sludge line is 18.22 fps. Per TCEQ regulations, the required minimum pipeline velocity at the low end of flow conditions for these types of pumps is 2 feet per second. The existing RAS pumps meet both the minimum velocity requirement and the minimum underflow rate at 452 gpm each pump.

5.3.7 Chlorination

The San Augustine WWTP utilizes chlorine as the disinfection process to reduce pathogens in the treated effluent. The chlorine is injected through a diffuser tube located in the chlorine injector box upstream of the chlorine contact basin. The chlorine contact basin must provide a minimum chlorination contact time of 20 minutes at peak flow. Using the permitted 2-hour peak flow of 3,036 gpm and a total volume in the chlorine contact basin of 8,473 ft^3, the existing chlorination basin provides the minimum detention time of 20 minutes.

5.3.8 Parshall Flume

The parshall flume is a flow measuring device located downstream of the chlorine contact chamber and upstream of the discharge point. In addition to measuring flow, a parshall flume restricts the flow passing through the flume and induces head at the end of the wastewater treatment plant. The existing parshall flume was analyzed for a peak flow of 3,036 gpm. Based on the analysis, the parshall flume can pass 3,036 gpm and only produce a total headloss of 1.25 ft.

5.3.9 Sludge Processing Units

Sludge processing and disposal is typically considered to be a major contributor to the operational cost of a wastewater treatment plant. At present, sludge is wasted from the clarifiers about once a month. Currently the sludge is not stabilized and is wasted directly to either the sludge dewatering containers or two drying beds. The polymer injection system is not operational.

5.4 PLANT OPERATION ISSUES

5.4.1 Wet Weather Flows

The Texas Administrative Code under Chapter 305.126 states that *"Whenever flow measurements for any sewage treatment plant facility in the state reaches 75 percent of the permitted average daily or annual average flow for three consecutive months, the permittee must initiate engineering and financial planning for expansion and/or upgrading of the wastewater treatment and/or collection facilities. Whenever the average daily or annual average flow reaches 90 percent of the permitted average daily flow for three consecutive months, the permittee shall obtain necessary authorization from the commission to commence construction of the necessary additional treatment and/or collection facilities."* The City of San Augustine, like most areas in east Texas, has experienced an unusually wet year in 2015. These higher flows strain the operational capacity of the Plant as well as the collection system. As shown in Figure

5-1, the San Augustine WWTP has exceeded its permitted average daily flow for four months (three consecutive) between 2013 and 2015, thereby violating the 75/90 percent requirements in their discharge permit.

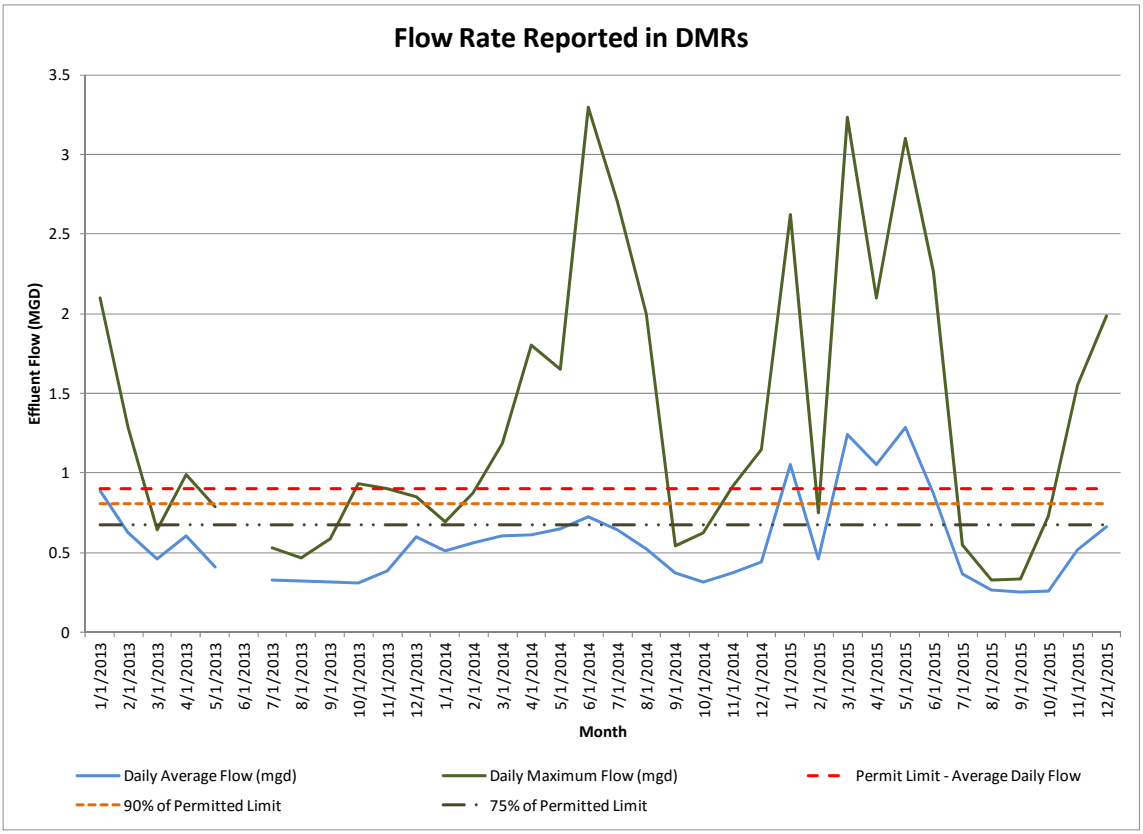


Figure 5-1: Effluent Flow Rate Reported on DMRs for period of January 2013 to December 2015

The Plant reported flows above 90 percent of its permitted average daily flow (0.81 mgd) for four consecutive months from March 2015 through June 2015. Overall, for the two year period between 2013 and 2015, the Plant has reported average daily flows above 90 percent for six months and average daily flows above 75 percent (0.675 mgd) for seven months. The minimum and maximum monthly average flows suggest that the increase in flow is not due to an increase in "actual" wastewater flow, but is most likely due to stormwater inflow during heavy rainfall periods.

5.4.2 Clarifier Sludge Valves

Based on discussions with the operations staff at the Plant, the valves that allow sludge drawdown, isolation and subsequent draining of the clarifiers no longer operate. Without the ability to isolate/drain the clarifiers, maintenance of the clarifiers is difficult. It was reported that it has been an extended period of time since the clarifiers have been taken down and cleaned.

5.4.3 Bar Screen

At the time of the site visit, the mechanical screen was being operated manually, and operations staff stated that the screen had been operated manually for a while. Because the headworks structure floods during high flow periods, the drive was damaged from being submerged. In addition, the screenings are not automatically conveyed to a storage area. Therefore, improvements to the screening facilities and headworks structure are necessary for improved operation of the Plant.

5.4.4 Grit Removal

The existing wastewater treatment plant does not have active grit removal. Currently, the grit trap, located in the influent channel, is utilized as a passive form of large grit removal. Influent flow to the Plant and through the headworks structure is by gravity, which increases the amount of grit entering a wastewater treatment plant. In addition, the elevated flows into the Plant during heavy rainfall periods carry lightweight sand as well as heavier grit. During the site visit, it appeared as though there may be significant grit build-up in the influent channel, which may be affecting the hydraulic capacity of the channel. Grit could also be damaging the influent pumps and building up in both the influent lift station wet well and oxidation ditch.

5.4.5 Influent Pumps

Operators at the plant have experienced many operational and maintenance issues with the influent pumps and motors. The pumps have not received any major work or refurbishment since placed into operation in the 1980's, and will most likely require replacement.

SECTION 6
SUMMARY OF RECOMMENDED FACILITIES

6.1 SUMMARY OF WASTEWATER TREATMENT PLANT EVALUATION AND RECOMMENDED IMPROVEMENTS

The proposed plant improvements and recommended modifications take into account both the capacity analysis conducted on the existing plant and operational issues and general condition upgrades necessary. A flow schematic of the proposed wastewater treatment plant configuration for the proposed improvements is provided as Exhibit B. The proposed capital improvements plan for upgrading and expanding the San Augustine Wastewater Treatment Plant includes improvement items shown in Exhibit C. Improvements to the Wastewater Treatment Plant will be required to comply with 30 TAC 217 and the current discharge permit conditions. In addition to meeting the effluent limitations, the proposed plant upgrades will better allow for equalization of influent flow so effluent flows do not exceed the Plant's permitted average daily effluent flow.

6.1.1 Headworks and Influent Lift Station

KSA recommends that the existing headworks structure be modified to allow for installation of a new mechanical bar screen and conveyor/compactor for automatic disposal of screenings and a grit removal system. The mechanical screen drive would be designed for potential submergence in an influent channel, which would increase the reliability of the screening device during wet weather flows. The grit removal system should be installed downstream of the mechanical bar screen. Grit removal is important, especially in Plants receiving high infiltration and inflow during wet weather events. The system removes settleable grit to protect downstream wastewater treatment units from damage due to abrasion and build up in treatment units which may affect the capacity of the Plant. In addition, it is recommended that the influent self-priming centrifugal pumps be replaced due to their age and intermittent operational issues with the pump motors. The new pumps would be similar in size and construction. Painting of the piping inside the influent lift station is also recommended to protect the piping from rust and deterioration.

6.1.2 Wet Weather Flow Equalization Basin

Because the Plant has violated the 75/90 percent rule in the City's wastewater discharge permit due to high flows, construction of a wet weather flow equalization (EQ) basin is recommended. A flow equalization basin would give the City the ability to dampen excessive flows through the Plant. High influent flows, once through the headworks structure, would be diverted to the flow equalization basin until flows at the Plant decreased to a point where additional influent flow could be treated. The basin would help the operations staff manage discharge of effluent flows above the Plant's permitted capacity. Construction of an EQ basin would also extend the amount of time the City has to continue correcting inflow problems in the wastewater collection system.

The flow equalization basin would be constructed over the existing sludge drying beds due to availability of space and hydraulics from the headworks structure to the drying beds. The basin would be clay-lined and contain one floating aerator with concrete scour pad to maintain a dissolved oxygen (DO) level of 1.0 mg/L and sufficiently mix the influent to prevent solids from settling, per 30 TAC 217. Influent to the basin would flow by gravity from an overflow pipe located downstream of the mechanical bar screen in the headworks structure to the EQ basin. Effluent from the basin would be pumped and re-enter the treatment stream ahead of the oxidation ditch.

The equalization basin will assist the operations staff in managing wet weather flows in the short term. In KSA's experience, a flow equalization basin at a WWTP cannot be built large enough, to equalize all of the flow during an extended rain event. Most likely, the equalization basin will fill up during a rain event and if not emptied prior to a subsequent rain event, there would be no room available for excess inflow. Therefore, KSA recommends the City construct a flow equalization basin to help operations staff manage wet weather flows in the short term, knowing that the basin will not completely mitigate excessive flows during extended rainfall periods. In order to effectively handle excessive peak flow inflows to the Plant, collection system infiltration and inflow should be addressed and mitigated.

6.1.3 Oxidation Ditch Aerators

The existing aeration tank is adequate to meet the treatment requirement for the Plant's permitted TPDES design flow of 0.9 MGD based on the maximum allowed organic loading rate of 15 pounds BOD_5/day/1000 cubic feet and rotor length required for sufficient oxygen transfer. However, the existing aeration system fails to meet the requirement for mixing - either 100 hp per million gallons of aeration volume or 0.75 hp per 1,000 ft^3 of aeration volume. The simplest solution is to increase the motor size of all four aerators from 20 hp to 25 hp. In addition, the aerators should be replaced with direct drive electric motors, since the belt driven, hydraulic motors have been a maintenance issue at the Plant. It is therefore recommended that four (4) new, 25 hp each, oxidation ditch aerators replace the existing aerators in the oxidation ditch.

6.1.4 Clarifiers and Sludge Handling

Existing clarifiers meet the TCEQ requirements with respect to surface loading, inlet stilling well velocity and weir loading. However, upgrades are recommended for the clarifier mechanism and replacement of miscellaneous equipment associated with the operation of the clarifiers. KSA recommends the following upgrades be made to assist the City in successful maintenance of the clarifiers:

- Replace the clarifier splitter box sluice gates.
- Replace or completely rehabilitate the clarifier mechanisms.
- Clean and re-coat both the baffles and weirs.
- Raise weird to provide 10-ft side water depth.
- Replace clarifier sludge valves and other miscellaneous piping.
- Replace existing RAS/WAS sludge pumps with new submersible sludge pumps and wet well.

6.1.5 Sludge Dewatering

KSA recommends that the current dewatering scheme at the San Augustine WWTP be upgraded. Mechanical dewatering is recommended for the sludge from the clarifiers. In addition, storage upstream of a mechanical dewatering process is recommended to furnish a steady sludge flow to the dewatering facility when it is operating. The following modifications to the sludge handling process are recommended:

- Construct a 320,000 gallon aerated sludge holding tank with floating aerator.
- Install one belt filter press, polymer feed system and recommended appurtenances for mechanical dewatering of the clarifier sludge.
- Construct a metal building to house the dewatering equipment.
- Install conveyor system from belt filter presses to roll-off container for ultimate sludge disposal.
- Relocate plant fence to allow room for improvements.

6.2 OPINION OF PROBABLE PROJECT COSTS

A summary of the recommended improvements opinion of probable project cost (OPPC) are shown in the following Table 6-1.

TABLE 6-1: OPINION OF PROBABLE PROJECT COST FOR RECOMMENDED IMPROVEMENTS	
Wet Weather Flow Equalization Basin	$423,455.00
Headworks Modifications	$809,250.00
Oxidation Ditch Aerators	$294,500.00
Clarifier Rehabilitation and Sludge Pump Station	$741,000.00
Sludge Dewatering Improvements	$1,982,000.00
SUBTOTAL CONSTRUCTION COSTS:	$4,251,000.00
Construction Contingencies (25%):	$1,062,750.00
Non-Construction Costs (30%):	$1,594,125.00
OPINION OF PROBABLE PROJECT COST:	$6,907,875.00

*All units are in 2016 dollars

6.3 POTENTIAL FUNDING ALTERNATIVES

6.3.1 *USDA Rural Development Loans*

USDA Rural Development administers a water and wastewater loan and grant program that lends money to cities and towns in rural areas for development of water, wastewater and solid waste disposal facilities. The program offers both direct and guaranteed loans.

Direct Loans

Direct loans are offered in rural areas to cities and towns with a population of less than 10,000 people. Funds are made available to public entities and corporations that are operated on a non-profit basis. The loan program gives priority to public entities (municipalities) with populations of less than 5,500 people. Some preference is given to projects that involve merging of small facilities and projects that serve low-income communities.

Applicants must be unable to obtain funds from other sources at reasonable rates or terms. The maximum loan term is 40 years.

Guaranteed Loans

Guaranteed loans are made available for the same purpose as direct loans, but are made and guaranteed by lenders such as banks or savings and loans associations.

Loan Process Overview

USDA funding can typically be obtained by any entity who meets the requirements. Application for these loans typically will require that the entity front the costs associated with the application and design process. The applicant would apply for funds and receive a letter of commitment for the cost of the project (both design and construction). After the project has been bid and awarded the USDA would close the loan for the amount of the commitment, reimbursing the entity for the design costs incurred and providing funding for the construction phase of the project.

USDA funded projects typically take a significant amount of time to plan and design to meet all the requirements prior to closing the loan (typically exceeds 1 year). Due to the cost to the applicant for consultant fees, this funding mechanism is more suited to larger system wide benefit projects.

6.3.2 *Texas Water Development Board (TWDB) Funding*

The Texas Water Development Board (TWDB) offers three (3) types of funding that can be applied to wastewater collection and treatment systems. The Clean Water State Revolving Fund Program (CWSRF), Rural Water Assistance Fund (RWAF), and the Texas Water Development Fund (DFund). All three of these programs offer funding that is applicable to this project.

Clean Water State Revolving Fund (CWSRF)

The CWSRF provides low interest assistance for planning, design, and construction of wastewater infrastructure. Cities, Counties, Districts and other public bodies are eligible to receive these funds.

CWSRF funds are subsidized by the TWDB in the form of loan forgiveness on a limited basis. To receive loan forgiveness applicants must be included on the Intended Use Plan (IUP) as a Disadvantaged Community or Green Project Reserve project. The amount of loan forgiveness for disadvantaged communities may be up to 70% and is based on the adjusted annual median household income for the project area.

Funding is typically applied for in two (2) stages. The entity would apply for funding for the planning, acquisition and design portion of the project. This phase covers all the work done by the consultants prior to bidding the project. The second phase of funding is applied for when the project is completely designed and ready for bid, this phase funds construction and construction phase costs only.

Rural Water Assistance Fund (RWAF)

The RWAF is targeted at rural political subdivisions (cities, counties, water districts, etc.) that serve a population of 10,000 or less. These loans (there is no loan forgiveness) can be used for water or wastewater projects.

RWAF loans have a maximum 40 year maturity and a relatively quick application turn-around time. RWAF has a pre-design funding option that allows funds for planning and environmental studies to be provided at closing, while funds for design and construction are placed in escrow until needed by the applicant.

Texas Water Development Fund (DFund)

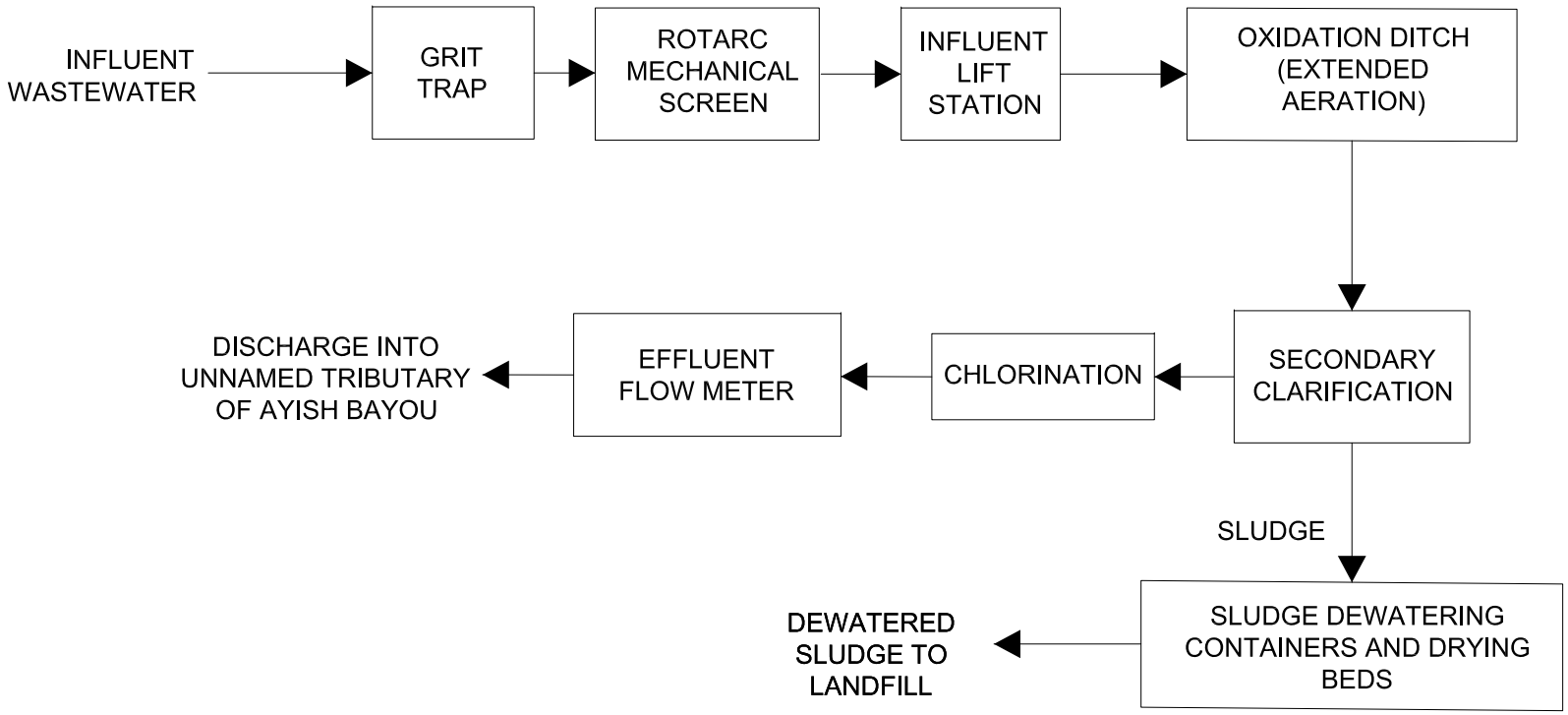
The Dfund is a state funded program that does not receive federal subsidies. This program can fund multiple project components in a single loan, e.g. a project with both water and wastewater components can be funded with a single loan.

All political subdivisions of the state are eligible applicants. Dfund loans have a pre-design funding option similar to the RWAF funding. The TWDB sells bonds as needed to obtain proceeds for the DFund which are used to fund loans for eligible applicants. Interest rates on DFund loans are set at 0.40 percent above the TWDB's borrowing cost.

6.3.3 Summary of Funding Alternatives

USDA funding typically has a longer application process and has federal requirements that need to be met. Once the application process is complete, the design and construction portions of the project are typically uneventful.

TWDB funding has a relatively shorter application process, but requires plan review and construction phase oversight by the TWDB staff. TWDB has review authority from the TCEQ, so plans, specifications and contracts are reviewed by the TWDB prior to construction approval. The TWDB also inspects the project monthly while it is under construction.



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LATEST REVISION: 8/15/2016

KSA JOB NUMBER: SAU.004

CITY OF SAN AUGUSTINE
WASTEWATER TREATMENT PLANT
PRELIMINARY ENGINEERING REPORT

EXHIBIT A
FLOW SCHEMATIC - EXISTING
WASTEWATER TREATMENT PLANT

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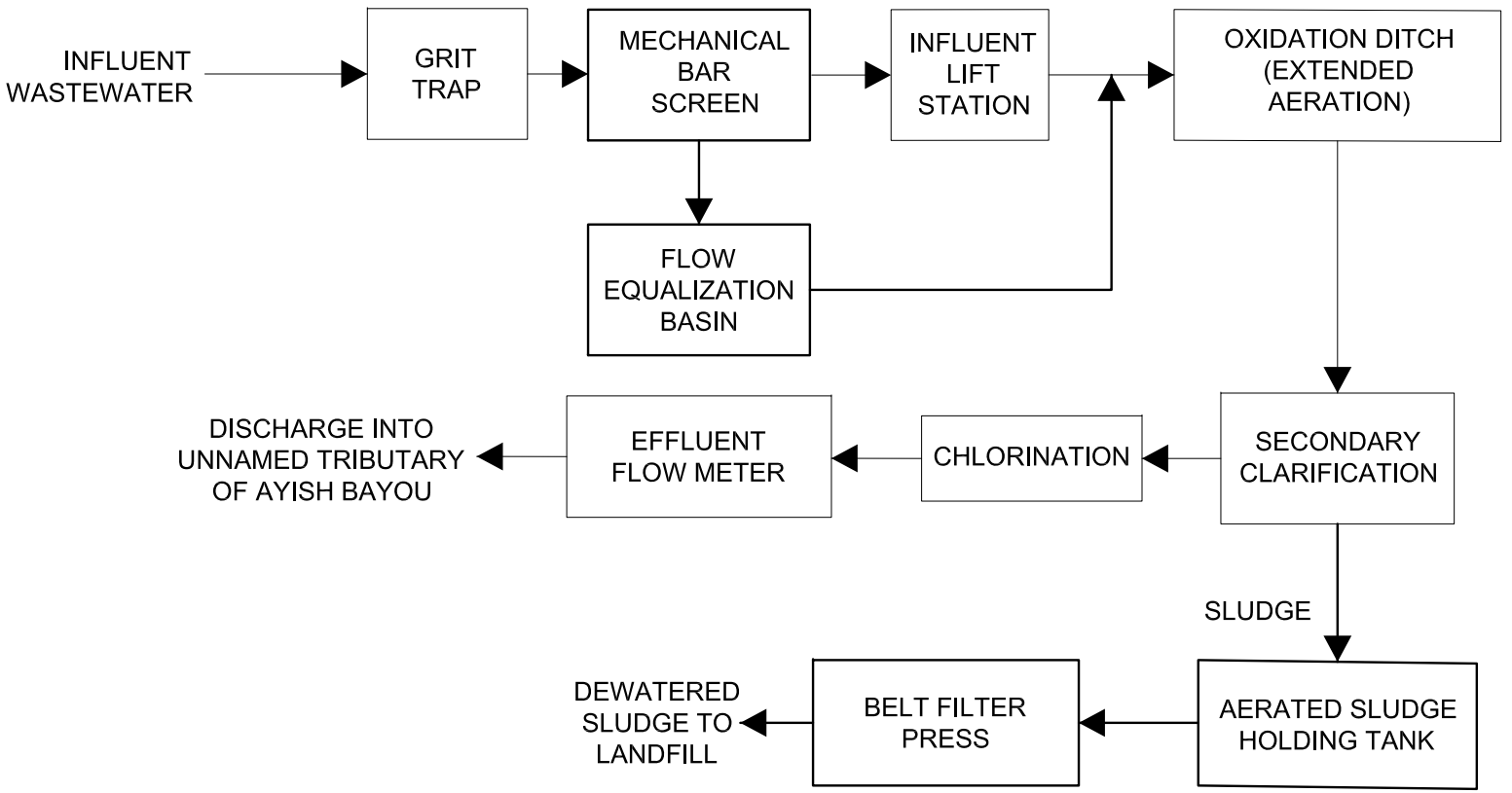

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CITY OF SAN AUGUSTINE
WASTEWATER TREATMENT PLANT
PRELIMINARY ENGINEERING REPORT

EXHIBIT B
FLOW SCHEMATIC - PROPOSED WASTEWATER TREATMENT PLANT

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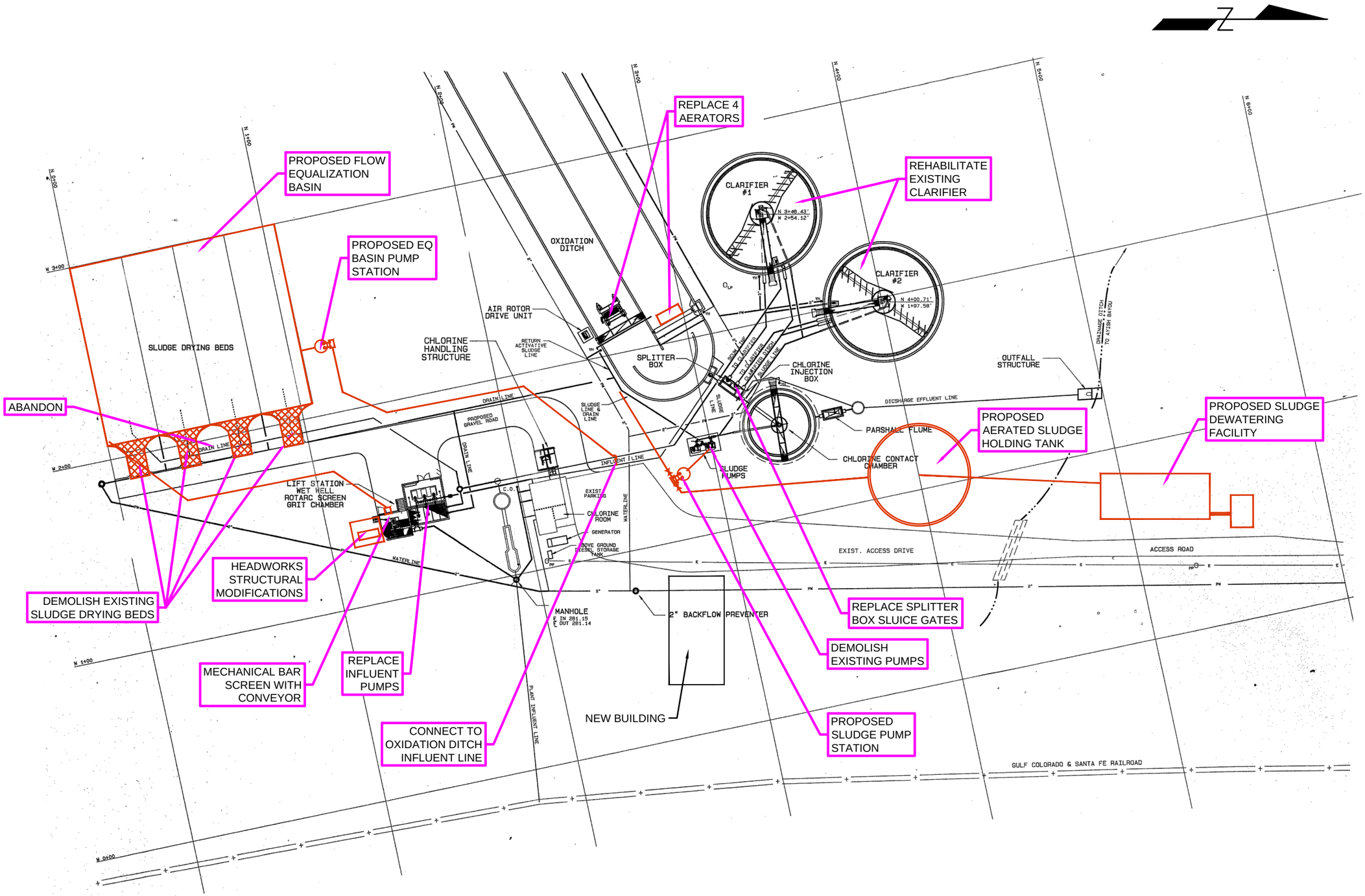

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DRAWING PATHNAME | LAYOUT | PLOT DATE - TIME

EXHIBIT C
WASTEWATER TREATMENT PLANT IMPROVEMENTS

SHEET NAME:

CITY OF SAN AUGUSTINE
WASTEWATER TREATMENT PLANT PRELIMINARY ENGINEERING REPORT

PROJECT NAME:

DRAWN BY:	DESIGNED BY:	LATEST REVISION:	KSA JOB NO.:
JAM	KMD	8/16/2016	SAU.004

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SEAL:
TBPE Firm Registration No. F-1356

SHEET NO.

EXHIBIT C

APPENDIX A

TPDES DISCHARGE PERMIT

TPDES PERMIT NO.
WQ0010268001
[For TCEQ office use only - EPA I.D. No. TX0022349]

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

This is a renewal that replaces TPDES Permit No. WQ0010268001 issued on August 19, 2010.

PERMIT TO DISCHARGE WASTES
under provisions of
Section 402 of the Clean Water Act
and Chapter 26 of the Texas Water Code

City of San Augustine

whose mailing address is

301 South Harrison Street
San Augustine, Texas 75972

is authorized to treat and discharge wastes from the City of San Augustine Wastewater Treatment Facility, SIC Code 4952

located approximately 5,000 feet northeast of the intersection of U.S. Highway 96 and Farm-to-Market Road 147, in San Augustine County, Texas 75972

to an unnamed tributary; thence to Ayish Bayou; thence to Sam Rayburn Reservoir in Segment No. 0610 of the Neches River Basin

only according to effluent limitations, monitoring requirements, and other conditions set forth in this permit, as well as the rules of the Texas Commission on Environmental Quality (TCEQ), the laws of the State of Texas, and other orders of the TCEQ. The issuance of this permit does not grant to the permittee the right to use private or public property for conveyance of wastewater along the discharge route described in this permit. This includes, but is not limited to, property belonging to any individual, partnership, corporation or other entity. Neither does this permit authorize any invasion of personal rights nor any violation of federal, state, or local laws or regulations. It is the responsibility of the permittee to acquire property rights as may be necessary to use the discharge route.

This permit shall expire at midnight, **August 1, 2018**.

ISSUED DATE: October 12, 2015

For the Commission

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS Outfall Number 001

1. During the period beginning upon the date of issuance and lasting through the date of expiration, the permittee is authorized to discharge subject to the following effluent limitations:

   The daily average flow of effluent shall not exceed 0.90 million gallons per day (MGD), nor shall the average discharge during any two-hour period (2-hour peak) exceed 3,036 gallons per minute (gpm).

Effluent Characteristic	Discharge Limitations				Min. Self-Monitoring Requirements	
	Daily Avg mg/l (lbs/day)	7-day Avg mg/l	Daily Max mg/l	Single Grab mg/l	Report Daily Avg. & Daily Max. Measurement Frequency	Sample Type
Flow, MGD	Report	N/A	Report	N/A	Continuous	Totalizing Meter
Carbonaceous Biochemical Oxygen Demand (5-day)	10 (75)	15	25	35	One/week	Composite
Total Suspended Solids	15 (113)	25	40	60	One/week	Composite
Ammonia Nitrogen	2 (15)	5	10	15	One/week	Composite
E. coli, CFU or MPN/100 ml	126	N/A	399	N/A	Two/month	Grab

2. The effluent shall contain a chlorine residual of at least 1.0 mg/l and shall not exceed a chlorine residual of 4.0 mg/l after a detention time of at least 20 minutes (based on peak flow), and shall be monitored daily by grab sample. An equivalent method of disinfection may be substituted only with prior approval of the Executive Director.

3. The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored twice per month by grab sample.

4. There shall be no discharge of floating solids or visible foam in other than trace amounts and no discharge of visible oil.

5. Effluent monitoring samples shall be taken at the following location(s): Following the final treatment unit.

6. The effluent shall contain minimum dissolved oxygen of 5.0 mg/l and shall be monitored once per week by grab sample.

DEFINITIONS AND STANDARD PERMIT CONDITIONS

As required by Title 30 Texas Administrative Code (TAC) Chapter 305, certain regulations appear as standard conditions in waste discharge permits. 30 TAC § 305.121 - 305.129 (relating to Permit Characteristics and Conditions) as promulgated under the Texas Water Code (TWC) §§ 5.103 and 5.105, and the Texas Health and Safety Code (THSC) §§ 361.017 and 361.024(a), establish the characteristics and standards for waste discharge permits, including sewage sludge, and those sections of 40 Code of Federal Regulations (CFR) Part 122 adopted by reference by the Commission. The following text includes these conditions and incorporates them into this permit. All definitions in TWC § 26.001 and 30 TAC Chapter 305 shall apply to this permit and are incorporated by reference. Some specific definitions of words or phrases used in this permit are as follows:

1. Flow Measurements

   a. Annual average flow - the arithmetic average of all daily flow determinations taken within the preceding 12 consecutive calendar months. The annual average flow determination shall consist of daily flow volume determinations made by a totalizing meter, charted on a chart recorder and limited to major domestic wastewater discharge facilities with one million gallons per day or greater permitted flow.

   b. Daily average flow - the arithmetic average of all determinations of the daily flow within a period of one calendar month. The daily average flow determination shall consist of determinations made on at least four separate days. If instantaneous measurements are used to determine the daily flow, the determination shall be the arithmetic average of all instantaneous measurements taken during that month. Daily average flow determination for intermittent discharges shall consist of a minimum of three flow determinations on days of discharge.

   c. Daily maximum flow - the highest total flow for any 24-hour period in a calendar month.

   d. Instantaneous flow - the measured flow during the minimum time required to interpret the flow measuring device.

   e. 2-hour peak flow (domestic wastewater treatment plants) - the maximum flow sustained for a two-hour period during the period of daily discharge. The average of multiple measurements of instantaneous maximum flow within a two-hour period may be used to calculate the 2-hour peak flow.

   f. Maximum 2-hour peak flow (domestic wastewater treatment plants) - the highest 2-hour peak flow for any 24-hour period in a calendar month.

2. Concentration Measurements

   a. Daily average concentration - the arithmetic average of all effluent samples, composite or grab as required by this permit, within a period of one calendar month, consisting of at least four separate representative measurements.

      i. For domestic wastewater treatment plants - When four samples are not available in a calendar month, the arithmetic average (weighted by flow) of all values in the previous four consecutive month period consisting of at least four measurements shall be utilized as the daily average concentration.

ii. For all other wastewater treatment plants - When four samples are not available in a calendar month, the arithmetic average (weighted by flow) of all values taken during the month shall be utilized as the daily average concentration.

b. 7-day average concentration - the arithmetic average of all effluent samples, composite or grab as required by this permit, within a period of one calendar week, Sunday through Saturday.

c. Daily maximum concentration - the maximum concentration measured on a single day, by the sample type specified in the permit, within a period of one calendar month.

d. Daily discharge - the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in terms of mass, the daily discharge is calculated as the total mass of the pollutant discharged over the sampling day. For pollutants with limitations expressed in other units of measurement, the daily discharge is calculated as the average measurement of the pollutant over the sampling day.

The daily discharge determination of concentration made using a composite sample shall be the concentration of the composite sample. When grab samples are used, the daily discharge determination of concentration shall be the arithmetic average (weighted by flow value) of all samples collected during that day.

e. Bacteria concentration (*E. coli* or Enterococci) - Colony Forming Units (CFU) or Most Probable Number (MPN) of bacteria per 100 milliliters effluent. The daily average bacteria concentration is a geometric mean of the values for the effluent samples collected in a calendar month. The geometric mean shall be determined by calculating the nth root of the product of all measurements made in a calendar month, where n equals the number of measurements made; or, computed as the antilogarithm of the arithmetic mean of the logarithms of all measurements made in a calendar month. For any measurement of bacteria equaling zero, a substituted value of one shall be made for input into either computation method. If specified, the 7-day average for bacteria is the geometric mean of the values for all effluent samples collected during a calendar week.

f. Daily average loading (lbs/day) - the arithmetic average of all daily discharge loading calculations during a period of one calendar month. These calculations must be made for each day of the month that a parameter is analyzed. The daily discharge, in terms of mass (lbs/day), is calculated as (Flow, MGD x Concentration, mg/l x 8.34).

g. Daily maximum loading (lbs/day) - the highest daily discharge, in terms of mass (lbs/day), within a period of one calendar month.

3. Sample Type

a. Composite sample - For domestic wastewater, a composite sample is a sample made up of a minimum of three effluent portions collected in a continuous 24-hour period or during the period of daily discharge if less than 24 hours, and combined in volumes proportional to flow, and collected at the intervals required by 30 TAC § 319.9 (a). For industrial wastewater, a composite sample is a sample made up of a minimum of three effluent portions collected in a continuous 24-hour period or during the period of daily discharge if less than 24 hours, and combined in volumes proportional to flow, and collected at the intervals required by 30 TAC § 319.9 (b).

b. Grab sample - an individual sample collected in less than 15 minutes.

4. Treatment Facility (facility) - wastewater facilities used in the conveyance, storage, treatment, recycling, reclamation and/or disposal of domestic sewage, industrial wastes, agricultural wastes, recreational wastes, or other wastes including sludge handling or disposal facilities under the jurisdiction of the Commission.

5. The term "sewage sludge" is defined as solid, semi-solid, or liquid residue generated during the treatment of domestic sewage in 30 TAC Chapter 312. This includes the solids that have not been classified as hazardous waste separated from wastewater by unit processes.

6. Bypass - the intentional diversion of a waste stream from any portion of a treatment facility.

MONITORING AND REPORTING REQUIREMENTS

1. Self-Reporting

Monitoring results shall be provided at the intervals specified in the permit. Unless otherwise specified in this permit or otherwise ordered by the Commission, the permittee shall conduct effluent sampling and reporting in accordance with 30 TAC §§ 319.4 - 319.12. Unless otherwise specified, a monthly effluent report shall be submitted each month, to the Enforcement Division (MC 224), by the 20th day of the following month for each discharge which is described by this permit whether or not a discharge is made for that month. Monitoring results must be reported on an approved self-report form that is signed and certified as required by Monitoring and Reporting Requirements No. 10.

As provided by state law, the permittee is subject to administrative, civil and criminal penalties, as applicable, for negligently or knowingly violating the Clean Water Act (CWA); TWC §§ 26, 27, and 28; and THSC § 361, including but not limited to knowingly making any false statement, representation, or certification on any report, record, or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance, or falsifying, tampering with or knowingly rendering inaccurate any monitoring device or method required by this permit or violating any other requirement imposed by state or federal regulations.

2. Test Procedures

a. Unless otherwise specified in this permit, test procedures for the analysis of pollutants shall comply with procedures specified in 30 TAC §§ 319.11 - 319.12. Measurements, tests, and calculations shall be accurately accomplished in a representative manner.

b. All laboratory tests submitted to demonstrate compliance with this permit must meet the requirements of 30 TAC § 25, Environmental Testing Laboratory Accreditation and Certification.

3. Records of Results

a. Monitoring samples and measurements shall be taken at times and in a manner so as to be representative of the monitored activity.

b. Except for records of monitoring information required by this permit related to the permittee's sewage sludge use and disposal activities, which shall be retained for a period of at least five years (or longer as required by 40 CFR Part 503), monitoring and reporting records, including strip charts and records of calibration and maintenance, copies of all records required by this permit, records of all data used to complete the application for this permit, and the certification required by 40 CFR § 264.73(b)(9) shall be retained at the facility site, or shall be readily available for review by a TCEQ representative for a period of three years from the date of the record or sample, measurement, report, application or certification. This period shall be extended at the request of the Executive Director.

c. Records of monitoring activities shall include the following:

i. date, time and place of sample or measurement;

ii. identity of individual who collected the sample or made the measurement.

iii. date and time of analysis;

iv. identity of the individual and laboratory who performed the analysis;

v. the technique or method of analysis; and

vi. the results of the analysis or measurement and quality assurance/quality control records.

The period during which records are required to be kept shall be automatically extended to the date of the final disposition of any administrative or judicial enforcement action that may be instituted against the permittee.

4. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit using approved analytical methods as specified above, all results of such monitoring shall be included in the calculation and reporting of the values submitted on the approved self-report form. Increased frequency of sampling shall be indicated on the self-report form.

5. Calibration of Instruments

All automatic flow measuring or recording devices and all totalizing meters for measuring flows shall be accurately calibrated by a trained person at plant start-up and as often thereafter as necessary to ensure accuracy, but not less often than annually unless authorized by the Executive Director for a longer period. Such person shall verify in writing that the device is operating properly and giving accurate results. Copies of the verification shall be retained at the facility site and/or shall be readily available for review by a TCEQ representative for a period of three years.

6. Compliance Schedule Reports

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of the permit shall be submitted no later

than 14 days following each schedule date to the Regional Office and the Enforcement Division (MC 224).

7. Noncompliance Notification

   a. In accordance with 30 TAC § 305.125(9) any noncompliance which may endanger human health or safety, or the environment shall be reported by the permittee to the TCEQ. Report of such information shall be provided orally or by facsimile transmission (FAX) to the Regional Office within 24 hours of becoming aware of the noncompliance. A written submission of such information shall also be provided by the permittee to the Regional Office and the Enforcement Division (MC 224) within five working days of becoming aware of the noncompliance. The written submission shall contain a description of the noncompliance and its cause; the potential danger to human health or safety, or the environment; the period of noncompliance, including exact dates and times; if the noncompliance has not been corrected, the time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance, and to mitigate its adverse effects.

   b. The following violations shall be reported under Monitoring and Reporting Requirement 7.a.:

      i. Unauthorized discharges as defined in Permit Condition 2(g).

      ii. Any unanticipated bypass that exceeds any effluent limitation in the permit.

      iii. Violation of a permitted maximum daily discharge limitation for pollutants listed specifically in the Other Requirements section of an Industrial TPDES permit.

   c. In addition to the above, any effluent violation which deviates from the permitted effluent limitation by more than 40% shall be reported by the permittee in writing to the Regional Office and the Enforcement Division (MC 224) within 5 working days of becoming aware of the noncompliance.

   d. Any noncompliance other than that specified in this section, or any required information not submitted or submitted incorrectly, shall be reported to the Enforcement Division (MC 224) as promptly as possible. For effluent limitation violations, noncompliances shall be reported on the approved self-report form.

8. In accordance with the procedures described in 30 TAC §§ 35.301 - 35.303 (relating to Water Quality Emergency and Temporary Orders) if the permittee knows in advance of the need for a bypass, it shall submit prior notice by applying for such authorization.

9. Changes in Discharges of Toxic Substances

   All existing manufacturing, commercial, mining, and silvicultural permittees shall notify the Regional Office, orally or by facsimile transmission within 24 hours, and both the Regional Office and the Enforcement Division (MC 224) in writing within five (5) working days, after becoming aware of or having reason to believe:

   a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant listed at 40 CFR Part 122, Appendix D,

Tables II and III (excluding Total Phenols) which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":

i. One hundred micrograms per liter (100 µg/L);

ii. Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;

iii. Five (5) times the maximum concentration value reported for that pollutant in the permit application; or

iv. The level established by the TCEQ.

b. That any activity has occurred or will occur which would result in any discharge, on a nonroutine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":

i. Five hundred micrograms per liter (500 µg/L);

ii. One milligram per liter (1 mg/L) for antimony;

iii. Ten (10) times the maximum concentration value reported for that pollutant in the permit application; or

iv. The level established by the TCEQ.

10. Signatories to Reports

All reports and other information requested by the Executive Director shall be signed by the person and in the manner required by 30 TAC § 305.128 (relating to Signatories to Reports).

11. All Publicly Owned Treatment Works (POTWs) must provide adequate notice to the Executive Director of the following:

a. Any new introduction of pollutants into the POTW from an indirect discharger which would be subject to CWA § 301 or § 306 if it were directly discharging those pollutants;

b. Any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit; and

c. For the purpose of this paragraph, adequate notice shall include information on:

i. The quality and quantity of effluent introduced into the POTW; and

ii. Any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.

PERMIT CONDITIONS

1. General

   a. When the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in an application or in any report to the Executive Director, it shall promptly submit such facts or information.

   b. This permit is granted on the basis of the information supplied and representations made by the permittee during action on an application, and relying upon the accuracy and completeness of that information and those representations. After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked, in whole or in part, in accordance with 30 TAC Chapter 305, Subchapter D, during its term for good cause including, but not limited to, the following:

      i. Violation of any terms or conditions of this permit;

      ii. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or

      iii. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

   c. The permittee shall furnish to the Executive Director, upon request and within a reasonable time, any information to determine whether cause exists for amending, revoking, suspending or terminating the permit. The permittee shall also furnish to the Executive Director, upon request, copies of records required to be kept by the permit.

2. Compliance

   a. Acceptance of the permit by the person to whom it is issued constitutes acknowledgment and agreement that such person will comply with all the terms and conditions embodied in the permit, and the rules and other orders of the Commission.

   b. The permittee has a duty to comply with all conditions of the permit. Failure to comply with any permit condition constitutes a violation of the permit and the Texas Water Code or the Texas Health and Safety Code, and is grounds for enforcement action, for permit amendment, revocation, or suspension, or for denial of a permit renewal application or an application for a permit for another facility.

   c. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.

   d. The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal or other permit violation that has a reasonable likelihood of adversely affecting human health or the environment.

   e. Authorization from the Commission is required before beginning any change in the permitted facility or activity that may result in noncompliance with any permit requirements.

f. A permit may be amended, suspended and reissued, or revoked for cause in accordance with 30 TAC §§ 305.62 and 305.66 and TWC§ 7.302. The filing of a request by the permittee for a permit amendment, suspension and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

g. There shall be no unauthorized discharge of wastewater or any other waste. For the purpose of this permit, an unauthorized discharge is considered to be any discharge of wastewater into or adjacent to water in the state at any location not permitted as an outfall or otherwise defined in the Other Requirements section of this permit.

h. In accordance with 30 TAC § 305.535(a), the permittee may allow any bypass to occur from a TPDES permitted facility which does not cause permitted effluent limitations to be exceeded or an unauthorized discharge to occur, but only if the bypass is also for essential maintenance to assure efficient operation.

i. The permittee is subject to administrative, civil, and criminal penalties, as applicable, under TWC §§ 7.051 - 7.075 (relating to Administrative Penalties), 7.101 - 7.111 (relating to Civil Penalties), and 7.141 - 7.202 (relating to Criminal Offenses and Penalties) for violations including, but not limited to, negligently or knowingly violating the federal CWA §§ 301, 302, 306, 307, 308, 318, or 405, or any condition or limitation implementing any sections in a permit issued under the CWA § 402, or any requirement imposed in a pretreatment program approved under the CWA §§ 402 (a)(3) or 402 (b)(8).

3. Inspections and Entry

a. Inspection and entry shall be allowed as prescribed in the TWC Chapters 26, 27, and 28, and THSC § 361.

b. The members of the Commission and employees and agents of the Commission are entitled to enter any public or private property at any reasonable time for the purpose of inspecting and investigating conditions relating to the quality of water in the state or the compliance with any rule, regulation, permit or other order of the Commission. Members, employees, or agents of the Commission and Commission contractors are entitled to enter public or private property at any reasonable time to investigate or monitor or, if the responsible party is not responsive or there is an immediate danger to public health or the environment, to remove or remediate a condition related to the quality of water in the state. Members, employees, Commission contractors, or agents acting under this authority who enter private property shall observe the establishment's rules and regulations concerning safety, internal security, and fire protection, and if the property has management in residence, shall notify management or the person then in charge of his presence and shall exhibit proper credentials. If any member, employee, Commission contractor, or agent is refused the right to enter in or on public or private property under this authority, the Executive Director may invoke the remedies authorized in TWC § 7.002. The statement above, that Commission entry shall occur in accordance with an establishment's rules and regulations concerning safety, internal security, and fire protection, is not grounds for denial or restriction of entry to any part of the facility, but merely describes the Commission's duty to observe appropriate rules and regulations during an inspection.

4. Permit Amendment and/or Renewal

   a. The permittee shall give notice to the Executive Director as soon as possible of any planned physical alterations or additions to the permitted facility if such alterations or additions would require a permit amendment or result in a violation of permit requirements. Notice shall also be required under this paragraph when:

      i. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in accordance with 30 TAC § 305.534 (relating to New Sources and New Dischargers); or

      ii. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants that are subject neither to effluent limitations in the permit, nor to notification requirements in Monitoring and Reporting Requirements No. 9;

      iii. The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.

   b. Prior to any facility modifications, additions, or expansions that will increase the plant capacity beyond the permitted flow, the permittee must apply for and obtain proper authorization from the Commission before commencing construction.

   c. The permittee must apply for an amendment or renewal at least 180 days prior to expiration of the existing permit in order to continue a permitted activity after the expiration date of the permit. If an application is submitted prior to the expiration date of the permit, the existing permit shall remain in effect until the application is approved, denied, or returned. If the application is returned or denied, authorization to continue such activity shall terminate upon the effective date of the action. If an application is not submitted prior to the expiration date of the permit, the permit shall expire and authorization to continue such activity shall terminate.

   d. Prior to accepting or generating wastes which are not described in the permit application or which would result in a significant change in the quantity or quality of the existing discharge, the permittee must report the proposed changes to the Commission. The permittee must apply for a permit amendment reflecting any necessary changes in permit conditions, including effluent limitations for pollutants not identified and limited by this permit.

   e. In accordance with the TWC § 26.029(b), after a public hearing, notice of which shall be given to the permittee, the Commission may require the permittee, from time to time, for good cause, in accordance with applicable laws, to conform to new or additional conditions.

   f. If any toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is promulgated under CWA § 307(a) for a toxic pollutant which is present in the discharge and that standard or prohibition is more stringent than any limitation on the pollutant in this permit, this permit shall be

modified or revoked and reissued to conform to the toxic effluent standard or prohibition. The permittee shall comply with effluent standards or prohibitions established under CWA § 307(a) for toxic pollutants within the time provided in the regulations that established those standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.

5. Permit Transfer

   a. Prior to any transfer of this permit, Commission approval must be obtained. The Commission shall be notified in writing of any change in control or ownership of facilities authorized by this permit. Such notification should be sent to the Applications Review and Processing Team (MC 148) of the Water Quality Division.

   b. A permit may be transferred only according to the provisions of 30 TAC § 305.64 (relating to Transfer of Permits) and 30 TAC § 50.133 (relating to Executive Director Action on Application or WQMP update).

6. Relationship to Hazardous Waste Activities

   This permit does not authorize any activity of hazardous waste storage, processing, or disposal that requires a permit or other authorization pursuant to the Texas Health and Safety Code.

7. Relationship to Water Rights

   Disposal of treated effluent by any means other than discharge directly to water in the state must be specifically authorized in this permit and may require a permit pursuant to TWC Chapter 11.

8. Property Rights

   A permit does not convey any property rights of any sort, or any exclusive privilege.

9. Permit Enforceability

   The conditions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstances, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

10. Relationship to Permit Application

    The application pursuant to which the permit has been issued is incorporated herein; provided, however, that in the event of a conflict between the provisions of this permit and the application, the provisions of the permit shall control.

11. Notice of Bankruptcy

    a. Each permittee shall notify the Executive Director, in writing, immediately following the filing of a voluntary or involuntary petition for bankruptcy under any chapter of Title 11 Bankruptcy) of the United States Code (11 USC) by or against:

i. the permittee;

ii. an entity (as that term is defined in 11 USC, § 101(14)) controlling the permittee or listing the permit or permittee as property of the estate; or

iii. an affiliate (as that term is defined in 11 USC, § 101(2)) of the permittee.

b. This notification must indicate:

i. the name of the permittee and the permit number(s);

ii. the bankruptcy court in which the petition for bankruptcy was filed; and

iii. the date of filing of the petition.

OPERATIONAL REQUIREMENTS

1. The permittee shall at all times ensure that the facility and all of its systems of collection, treatment, and disposal are properly operated and maintained. This includes, but is not limited to, the regular, periodic examination of wastewater solids within the treatment plant by the operator in order to maintain an appropriate quantity and quality of solids inventory as described in the various operator training manuals and according to accepted industry standards for process control. Process control, maintenance, and operations records shall be retained at the facility site, or shall be readily available for review by a TCEQ representative, for a period of three years.

2. Upon request by the Executive Director, the permittee shall take appropriate samples and provide proper analysis in order to demonstrate compliance with Commission rules. Unless otherwise specified in this permit or otherwise ordered by the Commission, the permittee shall comply with all applicable provisions of 30 TAC Chapter 312 concerning sewage sludge use and disposal and 30 TAC §§ 319.21 - 319.29 concerning the discharge of certain hazardous metals.

3. Domestic wastewater treatment facilities shall comply with the following provisions:

   a. The permittee shall notify the Municipal Permits Team, Wastewater Permitting Section (MC 148) of the Water Quality Division, in writing, of any facility expansion at least 90 days prior to conducting such activity.

   b. The permittee shall submit a closure plan for review and approval to the Municipal Permits Team, Wastewater Permitting Section (MC 148) of the Water Quality Division, for any closure activity at least 90 days prior to conducting such activity. Closure is the act of permanently taking a waste management unit or treatment facility out of service and includes the permanent removal from service of any pit, tank, pond, lagoon, surface impoundment and/or other treatment unit regulated by this permit.

4. The permittee is responsible for installing prior to plant start-up, and subsequently maintaining, adequate safeguards to prevent the discharge of untreated or inadequately treated wastes during electrical power failures by means of alternate power sources, standby generators, and/or retention of inadequately treated wastewater.

5. Unless otherwise specified, the permittee shall provide a readily accessible sampling point and, where applicable, an effluent flow measuring device or other acceptable means by which effluent flow may be determined.

6. The permittee shall remit an annual water quality fee to the Commission as required by 30 TAC Chapter 21. Failure to pay the fee may result in revocation of this permit under TWC § 7.302(b)(6).

7. Documentation

   For all written notifications to the Commission required of the permittee by this permit, the permittee shall keep and make available a copy of each such notification under the same conditions as self-monitoring data are required to be kept and made available. Except for information required for TPDES permit applications, effluent data, including effluent data in permits, draft permits and permit applications, and other information specified as not confidential in 30 TAC §§ 1.5(d), any information submitted pursuant to this permit may be claimed as confidential by the submitter. Any such claim must be asserted in the manner prescribed in the application form or by stamping the words confidential business information on each page containing such information. If no claim is made at the time of submission, information may be made available to the public without further notice. If the Commission or Executive Director agrees with the designation of confidentiality, the TCEQ will not provide the information for public inspection unless required by the Texas Attorney General or a court pursuant to an open records request. If the Executive Director does not agree with the designation of confidentiality, the person submitting the information will be notified.

8. Facilities that generate domestic wastewater shall comply with the following provisions; domestic wastewater treatment facilities at permitted industrial sites are excluded.

   a. Whenever flow measurements for any domestic sewage treatment facility reach 75% of the permitted daily average or annual average flow for three consecutive months, the permittee must initiate engineering and financial planning for expansion and/or upgrading of the domestic wastewater treatment and/or collection facilities. Whenever the flow reaches 90% of the permitted daily average or annual average flow for three consecutive months, the permittee shall obtain necessary authorization from the Commission to commence construction of the necessary additional treatment and/or collection facilities. In the case of a domestic wastewater treatment facility which reaches 75% of the permitted daily average or annual average flow for three consecutive months, and the planned population to be served or the quantity of waste produced is not expected to exceed the design limitations of the treatment facility, the permittee shall submit an engineering report supporting this claim to the Executive Director of the Commission.

      If in the judgment of the Executive Director the population to be served will not cause permit noncompliance, then the requirement of this section may be waived. To be effective, any waiver must be in writing and signed by the Director of the Enforcement Division (MC 169) of the Commission, and such waiver of these requirements will be reviewed upon expiration of the existing permit; however, any such waiver shall not be interpreted as condoning or excusing any violation of any permit parameter.

b. The plans and specifications for domestic sewage collection and treatment works associated with any domestic permit must be approved by the Commission and failure to secure approval before commencing construction of such works or making a discharge is a violation of this permit and each day is an additional violation until approval has been secured.

c. Permits for domestic wastewater treatment plants are granted subject to the policy of the Commission to encourage the development of area-wide waste collection, treatment, and disposal systems. The Commission reserves the right to amend any domestic wastewater permit in accordance with applicable procedural requirements to require the system covered by this permit to be integrated into an area-wide system, should such be developed; to require the delivery of the wastes authorized to be collected in, treated by or discharged from said system, to such area-wide system; or to amend this permit in any other particular to effectuate the Commission's policy. Such amendments may be made when the changes required are advisable for water quality control purposes and are feasible on the basis of waste treatment technology, engineering, financial, and related considerations existing at the time the changes are required, exclusive of the loss of investment in or revenues from any then existing or proposed waste collection, treatment or disposal system.

9. Domestic wastewater treatment plants shall be operated and maintained by sewage plant operators holding a valid certificate of competency at the required level as defined in 30 TAC Chapter 30.

10. For Publicly Owned Treatment Works (POTWs), the 30-day average (or monthly average) percent removal for BOD and TSS shall not be less than 85%, unless otherwise authorized by this permit.

11. Facilities that generate industrial solid waste as defined in 30 TAC § 335.1 shall comply with these provisions:

a. Any solid waste, as defined in 30 TAC § 335.1 (including but not limited to such wastes as garbage, refuse, sludge from a waste treatment, water supply treatment plant or air pollution control facility, discarded materials, discarded materials to be recycled, whether the waste is solid, liquid, or semisolid), generated by the permittee during the management and treatment of wastewater, must be managed in accordance with all applicable provisions of 30 TAC Chapter 335, relating to Industrial Solid Waste Management.

b. Industrial wastewater that is being collected, accumulated, stored, or processed before discharge through any final discharge outfall, specified by this permit, is considered to be industrial solid waste until the wastewater passes through the actual point source discharge and must be managed in accordance with all applicable provisions of 30 TAC Chapter 335.

c. The permittee shall provide written notification, pursuant to the requirements of 30 TAC § 335.8(b)(1), to the Environmental Cleanup Section (MC 127) of the Remediation Division informing the Commission of any closure activity involving an Industrial Solid Waste Management Unit, at least 90 days prior to conducting such an activity.

d. Construction of any industrial solid waste management unit requires the prior written notification of the proposed activity to the Registration and Reporting Section (MC 129) of the Registration, Review, and Reporting Division. No person shall dispose of industrial solid waste, including sludge or other solids from wastewater treatment processes, prior to fulfilling the deed recordation requirements of 30 TAC § 335.5.

e. The term "industrial solid waste management unit" means a landfill, surface impoundment, waste-pile, industrial furnace, incinerator, cement kiln, injection well, container, drum, salt dome waste containment cavern, or any other structure vessel, appurtenance, or other improvement on land used to manage industrial solid waste.

f. The permittee shall keep management records for all sludge (or other waste) removed from any wastewater treatment process. These records shall fulfill all applicable requirements of 30 TAC § 335 and must include the following, as it pertains to wastewater treatment and discharge:

   i. Volume of waste and date(s) generated from treatment process;
   ii. Volume of waste disposed of on-site or shipped off-site;
   iii. Date(s) of disposal;
   iv. Identity of hauler or transporter;
   v. Location of disposal site; and
   vi. Method of final disposal.

   The above records shall be maintained on a monthly basis. The records shall be retained at the facility site, or shall be readily available for review by authorized representatives of the TCEQ for at least five years.

12. For industrial facilities to which the requirements of 30 TAC § 335 do not apply, sludge and solid wastes, including tank cleaning and contaminated solids for disposal, shall be disposed of in accordance with THSC § 361.

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SLUDGE PROVISIONS

The permittee is authorized to dispose of sludge only at a Texas Commission on Environmental Quality (TCEQ) authorized land application site or co-disposal landfill. **The disposal of sludge by land application on property owned, leased or under the direct control of the permittee is a violation of the permit unless the site is authorized with the TCEQ. This provision does not authorize Distribution and Marketing of sludge. This provision does not authorize land application of Class A or Class AB Sewage Sludge. This provision does not authorize the permittee to land apply sludge on property owned, leased or under the direct control of the permittee.**

SECTION I. REQUIREMENTS APPLYING TO ALL SEWAGE SLUDGE LAND APPLICATION

A. General Requirements

1. The permittee shall handle and dispose of sewage sludge in accordance with 30 TAC § 312 and all other applicable state and federal regulations in a manner that protects public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present in the sludge.

2. In all cases, if the person (permit holder) who prepares the sewage sludge supplies the sewage sludge to another person for land application use or to the owner or lease holder of the land, the permit holder shall provide necessary information to the parties who receive the sludge to assure compliance with these regulations.

3. The permittee shall give 180 days prior notice to the Executive Director in care of the Wastewater Permitting Section (MC 148) of the Water Quality Division of any change planned in the sewage sludge disposal practice.

B. Testing Requirements

1. Sewage sludge shall be tested once during the term of this permit in accordance with the method specified in both 40 CFR Part 261, Appendix II and 40 CFR Part 268, Appendix I [Toxicity Characteristic Leaching Procedure (TCLP)] or other method that receives the prior approval of the TCEQ for the contaminants listed in 40 CFR Part 261.24, Table 1. Sewage sludge failing this test shall be managed according to RCRA standards for generators of hazardous waste, and the waste's disposition must be in accordance with all applicable requirements for hazardous waste processing, storage, or disposal. Following failure of any TCLP test, the management or disposal of sewage sludge at a facility other than an authorized hazardous waste processing, storage, or disposal facility shall be prohibited until such time as the permittee can demonstrate the sewage sludge no longer exhibits the hazardous waste toxicity characteristics (as demonstrated by the results of the TCLP tests). A written report shall be provided to both the TCEQ Registration and Reporting Section (MC 129) of the Permitting and Remediation Support Division and the Regional Director (MC Region 10) within seven (7) days after failing the TCLP Test.

The report shall contain test results, certification that unauthorized waste management has stopped and a summary of alternative disposal plans that comply with RCRA standards for the management of hazardous waste. The report shall be addressed to: Director, Registration, Review, and Reporting Division (MC 129), Texas Commission on Environmental Quality, P.O. Box 13087, Austin, Texas 78711-3087. In addition, the permittee shall prepare an annual report on the results of all sludge toxicity testing. This annual report shall be submitted to the TCEQ Regional Office (MC Region 10) and the Water Quality Compliance Monitoring Team (MC 224) of the Enforcement Division by September 30th of each year.

2. Sewage sludge shall not be applied to the land if the concentration of the pollutants exceeds the pollutant concentration criteria in Table 1. The frequency of testing for pollutants in Table 1 is found in Section I.C.

TABLE 1

Pollutant	Ceiling Concentration (Milligrams per kilogram)*
Arsenic	75
Cadmium	85
Chromium	3000
Copper	4300
Lead	840
Mercury	57
Molybdenum	75
Nickel	420
PCBs	49
Selenium	100
Zinc	7500

* Dry weight basis

3. Pathogen Control

All sewage sludge that is applied to agricultural land, forest, a public contact site, or a reclamation site must be treated by one of the following methods to ensure that the sludge meets either the Class A, Class AB or Class B pathogen requirements.

a. For sewage sludge to be classified as Class A with respect to pathogens, the density of fecal coliform in the sewage sludge be less than 1,000 most probable number (MPN) per gram of total solids (dry weight basis), or the density of Salmonella sp. bacteria in the sewage sludge be less than three MPN per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed. In addition, one of the alternatives listed below must be met.

Alternative 1 - The temperature of the sewage sludge that is used or disposed shall be maintained at or above a specific value for a period of time. See 30 TAC § 312.82(a)(2)(A) for specific information.

Alternative 5 (PFRP) - Sewage sludge that is used or disposed of must be treated in one of the Processes to Further Reduce Pathogens (PFRP) described in 40 CFR Part 503, Appendix B. PFRP include composting, heat drying, heat treatment, and thermophilic aerobic digestion.

Alternative 6 (PFRP Equivalent) - Sewage sludge that is used or disposed of must be treated in a process that has been approved by the U. S. Environmental Protection Agency as being equivalent to those in Alternative 5.

b. For sewage sludge to be classified as Class AB with respect to pathogens, the density of fecal coliform in the sewage sludge be less than 1,000 MPN per gram of total solids (dry weight basis), or the density of Salmonella sp. bacteria in the sewage sludge be less than three MPN per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed. In addition, one of the alternatives listed below must be met.

   Alternative 2 - The pH of the sewage sludge that is used or disposed shall be raised to above 12 std. units and shall remain above 12 std. units for 72 hours.

   The temperature of the sewage sludge shall be above 52° Celsius for 12 hours or longer during the period that the pH of the sewage sludge is above 12 std. units.

   At the end of the 72-hour period during which the pH of the sewage sludge is above 12 std. units, the sewage sludge shall be air dried to achieve a percent solids in the sewage sludge greater than 50%.

   Alternative 3 - The sewage sludge shall be analyzed for enteric viruses prior to pathogen treatment. The limit for enteric viruses is less than one Plaque-forming Unit per four grams of total solids (dry weight basis) either before or following pathogen treatment. See 30 TAC § 312.82(a)(2)(C)(i-iii) for specific information. The sewage sludge shall be analyzed for viable helminth ova prior to pathogen treatment. The limit for viable helminth ova is less than one per four grams of total solids (dry weight basis) either before or following pathogen treatment. See 30 TAC § 312.82(a)(2)(C)(iv-vi) for specific information.

   Alternative 4 - The density of enteric viruses in the sewage sludge shall be less than one Plaque-forming Unit per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed. The density of viable helminth ova in the sewage sludge shall be less than one per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed.

c. Sewage sludge that meets the requirements of Class AB sewage sludge may be classified a Class A sewage sludge if a variance request is submitted in writing that is supported by substantial documentation demonstrating equivalent methods for reducing odors and written approval is granted by the executive director. The executive director may deny the variance request or revoke that approved variance if it is determined that the variance may potentially endanger human health or the environment, or create nuisance odor conditions.

d. Three alternatives are available to demonstrate compliance with Class B criteria for sewage sludge.

Alternative 1

i. A minimum of seven random samples of the sewage sludge shall be collected within 48 hours of the time the sewage sludge is used or disposed of during each monitoring episode for the sewage sludge.

ii. The geometric mean of the density of fecal coliform in the samples collected shall be less than either 2,000,000 MPN per gram of total solids (dry weight basis) or 2,000,000 Colony Forming Units per gram of total solids (dry weight basis).

Alternative 2 - Sewage sludge that is used or disposed of shall be treated in one of the Processes to Significantly Reduce Pathogens (PSRP) described in 40 CFR Part 503, Appendix B, so long as all of the following requirements are met by the generator of the sewage sludge.

i. Prior to use or disposal, all the sewage sludge must have been generated from a single location, except as provided in paragraph v. below;

ii. An independent Texas Licensed Professional Engineer must make a certification to the generator of a sewage sludge that the wastewater treatment facility generating the sewage sludge is designed to achieve one of the PSRP at the permitted design loading of the facility. The certification need only be repeated if the design loading of the facility is increased. The certification shall include a statement indicating the design meets all the applicable standards specified in Appendix B of 40 CFR Part 503;

iii. Prior to any off-site transportation or on-site use or disposal of any sewage sludge generated at a wastewater treatment facility, the chief certified operator of the wastewater treatment facility or other responsible official who manages the processes to significantly reduce pathogens at the wastewater treatment facility for the permittee, shall certify that the sewage sludge underwent at least the minimum operational requirements necessary in order to meet one of the PSRP. The acceptable processes and the minimum operational and record keeping requirements shall be in accordance with established U.S. Environmental Protection Agency final guidance;

iv. All certification records and operational records describing how the requirements of this paragraph were met shall be kept by the generator for a minimum of three years and be available for inspection by commission staff for review; and

v. If the sewage sludge is generated from a mixture of sources, resulting from a person who prepares sewage sludge from more than one wastewater treatment facility, the resulting derived product shall meet one of the PSRP, and shall meet the certification, operation, and record keeping requirements of this paragraph.

Alternative 3 - Sewage sludge shall be treated in an equivalent process that has been approved by the U.S. Environmental Protection Agency, so long as all of the following requirements are met by the generator of the sewage sludge.

i. Prior to use or disposal, all the sewage sludge must have been generated from a single location, except as provided in paragraph v. below;

ii. Prior to any off-site transportation or on-site use or disposal of any sewage sludge generated at a wastewater treatment facility, the chief certified operator of the wastewater treatment facility or other responsible official who manages the processes to significantly reduce pathogens at the wastewater treatment facility for the permittee, shall certify that the sewage sludge underwent at least the minimum operational requirements necessary in order to meet one of the PSRP. The acceptable processes and the minimum operational and record keeping requirements shall be in accordance with established U.S. Environmental Protection Agency final guidance;

iii. All certification records and operational records describing how the requirements of this paragraph were met shall be kept by the generator for a minimum of three years and be available for inspection by commission staff for review;

iv. The Executive Director will accept from the U.S. Environmental Protection Agency a finding of equivalency to the defined PSRP; and

v. If the sewage sludge is generated from a mixture of sources resulting from a person who prepares sewage sludge from more than one wastewater treatment facility, the resulting derived product shall meet one of the Processes to Significantly Reduce Pathogens, and shall meet the certification, operation, and record keeping requirements of this paragraph.

In addition, the following site restrictions must be met if Class B sludge is land applied:

i. Food crops with harvested parts that touch the sewage sludge/soil mixture and are totally above the land surface shall not be harvested for 14 months after application of sewage sludge.

ii. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after application of sewage sludge when the sewage sludge remains on the land surface for 4 months or longer prior to incorporation into the soil.

iii. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months after application of sewage sludge when the sewage sludge remains on the land surface for less than 4 months prior to incorporation into the soil.

iv. Food crops, feed crops, and fiber crops shall not be harvested for 30 days after application of sewage sludge.

v. Animals shall not be allowed to graze on the land for 30 days after application of sewage sludge.

vi. Turf grown on land where sewage sludge is applied shall not be harvested for 1 year after application of the sewage sludge when the harvested turf is placed on either land with a high potential for public exposure or a lawn.

vii. Public access to land with a high potential for public exposure shall be restricted for 1 year after application of sewage sludge.

viii. Public access to land with a low potential for public exposure shall be restricted for 30 days after application of sewage sludge.

ix. Land application of sludge shall be in accordance with the buffer zone requirements found in 30 TAC § 312.44.

4. Vector Attraction Reduction Requirements

All bulk sewage sludge that is applied to agricultural land, forest, a public contact site, or a reclamation site shall be treated by one of the following Alternatives 1 through 10 for vector attraction reduction.

Alternative 1 - The mass of volatile solids in the sewage sludge shall be reduced by a minimum of 38%.

Alternative 2 - If Alternative 1 cannot be met for an anaerobically digested sludge, demonstration can be made by digesting a portion of the previously digested sludge anaerobically in the laboratory in a bench-scale unit for 40 additional days at a temperature between 30° and 37° Celsius. Volatile solids must be reduced by less than 17% to demonstrate compliance.

Alternative 3 - If Alternative 1 cannot be met for an aerobically digested sludge, demonstration can be made by digesting a portion of the previously digested sludge with percent solids of two percent or less aerobically in the laboratory in a bench-scale unit for 30 additional days at 20° Celsius. Volatile solids must be reduced by less than 15% to demonstrate compliance.

Alternative 4 - The specific oxygen uptake rate (SOUR) for sewage sludge treated in an aerobic process shall be equal to or less than 1.5 milligrams of oxygen per hour per gram of total solids (dry weight basis) at a temperature of 20° Celsius.

Alternative 5 - Sewage sludge shall be treated in an aerobic process for 14 days or longer. During that time, the temperature of the sewage sludge shall be higher than 40° Celsius and the average temperature of the sewage sludge shall be higher than 45° Celsius.

Alternative 6 - The pH of sewage sludge shall be raised to 12 or higher by alkali addition and, without the addition of more alkali shall remain at 12 or higher for two hours and then remain at a pH of 11.5 or higher for an additional 22 hours at the time the sewage sludge is prepared for sale or given away in a bag or other container.

Alternative 7 - The percent solids of sewage sludge that does not contain unstabilized solids generated in a primary wastewater treatment process shall be equal to or greater than 75% based on the moisture content and total solids prior to mixing with other materials. Unstabilized solids are defined as organic materials in sewage sludge that have not been treated in either an aerobic or anaerobic treatment process.

Alternative 8 - The percent solids of sewage sludge that contains unstabilized solids generated in a primary wastewater treatment process shall be equal to or greater than 90% based on the moisture content and total solids prior to mixing with other materials at the time the sludge is used. Unstabilized solids are defined as organic materials in sewage sludge that have not been treated in either an aerobic or anaerobic treatment process.

Alternative 9 -

i. Sewage sludge shall be injected below the surface of the land.

ii. No significant amount of the sewage sludge shall be present on the land surface within one hour after the sewage sludge is injected.

iii. When sewage sludge that is injected below the surface of the land is Class A or Class AB with respect to pathogens, the sewage sludge shall be injected below the land surface within eight hours after being discharged from the pathogen treatment process.

Alternative 10-

i. Sewage sludge applied to the land surface or placed on a surface disposal site shall be incorporated into the soil within six hours after application to or placement on the land.

ii. When sewage sludge that is incorporated into the soil is Class A or Class AB with respect to pathogens, the sewage sludge shall be applied to or placed on the land within eight hours after being discharged from the pathogen treatment process.

C. Monitoring Requirements

Toxicity Characteristic Leaching Procedure (TCLP) Test	- once during the term of this permit
PCBs	- once during the term of this permit

All metal constituents and fecal coliform or Salmonella sp. bacteria shall be monitored at the appropriate frequency shown below, pursuant to 30 TAC § 312.46(a)(1):

Amount of sewage sludge (*) metric tons per 365-day period	Monitoring Frequency
0 to less than 290	Once/Year
290 to less than 1,500	Once/Quarter
1,500 to less than 15,000	Once/Two Months
15,000 or greater	Once/Month

(*) *The amount of bulk sewage sludge applied to the land (dry wt. basis).*

Representative samples of sewage sludge shall be collected and analyzed in accordance with the methods referenced in 30 TAC § 312.7

SECTION II. REQUIREMENTS SPECIFIC TO BULK SEWAGE SLUDGE FOR APPLICATION TO THE LAND MEETING CLASS A, CLASS AB or B PATHOGEN REDUCTION AND THE CUMULATIVE LOADING RATES IN TABLE 2, OR CLASS B PATHOGEN REDUCTION AND THE POLLUTANT CONCENTRATIONS IN TABLE 3

For those permittees meeting Class A, Class AB or B pathogen reduction requirements and that meet the cumulative loading rates in Table 2 below, or the Class B pathogen reduction requirements and contain concentrations of pollutants below listed in Table 3, the following conditions apply:

A. Pollutant Limits

Table 2

Pollutant	Cumulative Pollutant Loading Rate (pounds per acre)*
Arsenic	36
Cadmium	35
Chromium	2677
Copper	1339
Lead	268
Mercury	15
Molybdenum	Report Only
Nickel	375
Selenium	89
Zinc	2500

Table 3

Pollutant	Monthly Average Concentration (milligrams per kilogram)*
Arsenic	41
Cadmium	39
Chromium	1200
Copper	1500
Lead	300
Mercury	17
Molybdenum	Report Only
Nickel	420
Selenium	36
Zinc	2800

*Dry weight basis

B. Pathogen Control

All bulk sewage sludge that is applied to agricultural land, forest, a public contact site, a reclamation site, shall be treated by either Class A, Class AB or Class B pathogen reduction requirements as defined above in Section I.B.3.

C. Management Practices

1. Bulk sewage sludge shall not be applied to agricultural land, forest, a public contact site, or a reclamation site that is flooded, frozen, or snow-covered so that the bulk sewage sludge enters a wetland or other waters in the State.

2. Bulk sewage sludge not meeting Class A requirements shall be land applied in a manner which complies with Applicability in accordance with 30 TAC §312.41 and the Management Requirements in accordance with 30 TAC § 312.44.

3. Bulk sewage sludge shall be applied at or below the agronomic rate of the cover crop.

4. An information sheet shall be provided to the person who receives bulk sewage sludge sold or given away. The information sheet shall contain the following information:

   a. The name and address of the person who prepared the sewage sludge that is sold or given away in a bag or other container for application to the land.

   b. A statement that application of the sewage sludge to the land is prohibited except in accordance with the instruction on the label or information sheet.

   c. The annual whole sludge application rate for the sewage sludge application rate for the sewage sludge that does not cause any of the cumulative pollutant loading rates in Table 2 above to be exceeded, unless the pollutant concentrations in Table 3 found in Section II above are met.

D. Notification Requirements

1. If bulk sewage sludge is applied to land in a State other than Texas, written notice shall be provided prior to the initial land application to the permitting authority for the State in which the bulk sewage sludge is proposed to be applied. The notice shall include:

   a. The location, by street address, and specific latitude and longitude, of each land application site.

   b. The approximate time period bulk sewage sludge will be applied to the site.

   c. The name, address, telephone number, and National Pollutant Discharge Elimination System permit number (if appropriate) for the person who will apply the bulk sewage sludge.

2. The permittee shall give 180 days prior notice to the Executive Director in care of the Wastewater Permitting Section (MC 148) of the Water Quality Division of any change planned in the sewage sludge disposal practice.

E. Record keeping Requirements

The sludge documents will be retained at the facility site and/or shall be readily available for review by a TCEQ representative. The person who prepares bulk sewage sludge or a sewage sludge material shall develop the following information and shall retain the information at

the facility site and/or shall be readily available for review by a TCEQ representative for a period of five years. If the permittee supplies the sludge to another person who land applies the sludge, the permittee shall notify the land applier of the requirements for record keeping found in 30 TAC § 312.47 for persons who land apply.

1. The concentration (mg/kg) in the sludge of each pollutant listed in Table 3 above and the applicable pollutant concentration criteria (mg/kg), or the applicable cumulative pollutant loading rate and the applicable cumulative pollutant loading rate limit (lbs/ac) listed in Table 2 above.

2. A description of how the pathogen reduction requirements are met (including site restrictions for Class AB and Class B sludge, if applicable).

3. A description of how the vector attraction reduction requirements are met.

4. A description of how the management practices listed above in Section II.C are being met.

5. The following certification statement:

   "I certify, under penalty of law, that the applicable pathogen requirements in 30 TAC § 312.82(a) or (b) and the vector attraction reduction requirements in 30 TAC § 312.83(b) have been met for each site on which bulk sewage sludge is applied. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the management practices have been met. I am aware that there are significant penalties for false certification including fine and imprisonment."

6. The recommended agronomic loading rate from the references listed in Section II.C.3. above, as well as the actual agronomic loading rate shall be retained. The person who applies bulk sewage sludge or a sewage sludge material shall develop the following information and shall retain the information at the facility site and/or shall be readily available for review by a TCEQ representative indefinitely. If the permittee supplies the sludge to another person who land applies the sludge, the permittee shall notify the land applier of the requirements for record keeping found in 30 TAC § 312.47 for persons who land apply:

   a. A certification statement that all applicable requirements (specifically listed) have been met, and that the permittee understands that there are significant penalties for false certification including fine and imprisonment. See 30 TAC § 312.47(a)(4)(A)(ii) or 30 TAC § 312.47(a)(5)(A)(ii), as applicable, and to the permittee's specific sludge treatment activities.

   b. The location, by street address, and specific latitude and longitude, of each site on which sludge is applied.

   c. The number of acres in each site on which bulk sludge is applied.

   d. The date and time sludge is applied to each site.

e. The cumulative amount of each pollutant in pounds/acre listed in Table 2 applied to each site.

f. The total amount of sludge applied to each site in dry tons.

The above records shall be maintained on-site on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

F. Reporting Requirements

The permittee shall report annually to the TCEQ Regional Office (MC Region 10) and Water Quality Compliance Monitoring Team (MC 224) of the Enforcement Division, by September 30th of each year the following information:

1. Results of tests performed for pollutants found in either Table 2 or 3 as appropriate for the permittee's land application practices.
2. The frequency of monitoring listed in Section I.C. that applies to the permittee.
3. Toxicity Characteristic Leaching Procedure (TCLP) results.
4. Identity of hauler(s) and TCEQ transporter number.
5. PCB concentration in sludge in mg/kg.
6. Date(s) of disposal.
7. Owner of disposal site(s).
8. Texas Commission on Environmental Quality registration number, if applicable.
9. Amount of sludge disposal dry weight (lbs/acre) at each disposal site.
10. The concentration (mg/kg) in the sludge of each pollutant listed in Table 1 (defined as a monthly average) as well as the applicable pollutant concentration criteria (mg/kg) listed in Table 3 above, or the applicable pollutant loading rate limit (lbs/acre) listed in Table 2 above if it exceeds 90% of the limit.
11. Level of pathogen reduction achieved (Class A, Class AB or Class B).
12. Alternative used as listed in Section I.B.3.(a. or b.). Alternatives describe how the pathogen reduction requirements are met. If Class B sludge, include information on how site restrictions were met.
13. Vector attraction reduction alternative used as listed in Section I.B.4.
14. Annual sludge production in dry tons/year.
15. Amount of sludge land applied in dry tons/year.
16. The certification statement listed in either 30 TAC § 312.47(a)(4)(A)(ii) or 30 TAC § 312.47(a)(5)(A)(ii) as applicable to the permittee's sludge treatment activities, shall be attached to the annual reporting form.

17. When the amount of any pollutant applied to the land exceeds 90% of the cumulative pollutant loading rate for that pollutant, as described in Table 2, the permittee shall report the following information as an attachment to the annual reporting form.

    a. The location, by street address, and specific latitude and longitude.

    b. The number of acres in each site on which bulk sewage sludge is applied.

    c. The date and time bulk sewage sludge is applied to each site.

    d. The cumulative amount of each pollutant (i.e., pounds/acre) listed in Table 2 in the bulk sewage sludge applied to each site.

    e. The amount of sewage sludge (i.e., dry tons) applied to each site.

    The above records shall be maintained on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

SECTION III. REQUIREMENTS APPLYING TO ALL SEWAGE SLUDGE DISPOSED IN A MUNICIPAL SOLID WASTE LANDFILL

A. The permittee shall handle and dispose of sewage sludge in accordance with 30 TAC § 330 and all other applicable state and federal regulations to protect public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present. The permittee shall ensure that the sewage sludge meets the requirements in 30 TAC § 330 concerning the quality of the sludge disposed in a municipal solid waste landfill.

B. If the permittee generates sewage sludge and supplies that sewage sludge to the owner or operator of a municipal solid waste landfill (MSWLF) for disposal, the permittee shall provide to the owner or operator of the MSWLF appropriate information needed to be in compliance with the provisions of this permit.

C. The permittee shall give 180 days prior notice to the Executive Director in care of the Wastewater Permitting Section (MC 148) of the Water Quality Division of any change planned in the sewage sludge disposal practice.

D. Sewage sludge shall be tested once during the term of this permit in accordance with the method specified in both 40 CFR Part 261, Appendix II and 40 CFR Part 268, Appendix I (Toxicity Characteristic Leaching Procedure) or other method, which receives the prior approval of the TCEQ for contaminants listed in Table 1 of 40 CFR § 261.24. Sewage sludge failing this test shall be managed according to RCRA standards for generators of hazardous waste, and the waste's disposition must be in accordance with all applicable requirements for hazardous waste processing, storage, or disposal.

Following failure of any TCLP test, the management or disposal of sewage sludge at a facility other than an authorized hazardous waste processing, storage, or disposal facility shall be prohibited until such time as the permittee can demonstrate the sewage sludge no longer exhibits the hazardous waste toxicity characteristics (as demonstrated by the results of the TCLP tests). A written report shall be provided to both the TCEQ Registration and Reporting Section (MC 129) of the Permitting and Remediation Support Division and the Regional Director (MC Region 10) of the appropriate TCEQ field office within 7 days after failing the TCLP Test.

The report shall contain test results, certification that unauthorized waste management has stopped and a summary of alternative disposal plans that comply with RCRA standards for the management of hazardous waste. The report shall be addressed to: Director, Registration, Review, and Reporting Division (MC 129), Texas Commission on Environmental Quality, P. O. Box 13087, Austin, Texas 78711-3087. In addition, the permittee shall prepare an annual report on the results of all sludge toxicity testing. This annual report shall be submitted to the TCEQ Regional Office (MC Region 10) and the Water Quality Compliance Monitoring Team (MC 224) of the Enforcement Division by September 30 of each year.

E. Sewage sludge shall be tested as needed, in accordance with the requirements of 30 TAC Chapter 330.

F. Record keeping Requirements

The permittee shall develop the following information and shall retain the information for five years.

1. The description (including procedures followed and the results) of all liquid Paint Filter Tests performed.

2. The description (including procedures followed and results) of all TCLP tests performed.

The above records shall be maintained on-site on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

G. Reporting Requirements

The permittee shall report annually to the TCEQ Regional Office (MC Region 10) and Water Quality Compliance Monitoring Team (MC 224) of the Enforcement Division by September 30th of each year the following information:

1. Toxicity Characteristic Leaching Procedure (TCLP) results.

2. Annual sludge production in dry tons/year.

3. Amount of sludge disposed in a municipal solid waste landfill in dry tons/year.

4. Amount of sludge transported interstate in dry tons/year.

5. A certification that the sewage sludge meets the requirements of 30 TAC § 330 concerning the quality of the sludge disposed in a municipal solid waste landfill.

6. Identity of hauler(s) and transporter registration number.

7. Owner of disposal site(s).

8. Location of disposal site(s).

9. Date(s) of disposal.

The above records shall be maintained on-site on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

SECTION IV. REQUIREMENTS APPLYING TO SLUDGE TRANSPORTED TO ANOTHER FACILITY FOR FURTHER PROCESSING

These provisions apply to sludge that is transported to another wastewater treatment facility or facility that further processes sludge. These provisions are intended to allow transport of sludge to facilities that have been authorized to accept sludge. These provisions do not limit the ability of the receiving facility to determine whether to accept the sludge, nor do they limit the ability of the receiving facility to request additional testing or documentation.

A. General Requirements

1. The permittee shall handle and dispose of sewage sludge in accordance with 30 TAC Chapter 312 and all other applicable state and federal regulations in a manner that protects public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present in the sludge.

2. Sludge may only be transported using a registered transporter or using an approved pipeline.

B. Record Keeping Requirements

1. For sludge transported by an approved pipeline, the permittee must maintain records of the following:

   a. the amount of sludge transported;

   b. the date of transport;

   c. the name and TCEQ permit number of the receiving facility or facilities;

   d. the location of the receiving facility or facilities;

   e. the name and TCEQ permit number of the facility that generated the waste; and

   f. copy of the written agreement between the permittee and the receiving facility to accept sludge.

2. For sludge transported by a registered transporter, the permittee must maintain records of the completed trip tickets in accordance with 30 TAC § 312.145(a)(1)-(7) and amount of sludge transported.

3. The above records shall be maintained on-site on a monthly basis and shall be made available to the TCEQ upon request. These records shall be retained for at least five years.

C. Reporting Requirements

The permittee shall report the following information annually to the TCEQ Regional Office (MC Region 10) and Water Quality Compliance Monitoring Team (MC 224) of the Enforcement Division, by September 30th of each year:

1. the annual sludge production;
2. the amount of sludge transported;
3. the owner of each receiving facility;
4. the location of each receiving facility; and
5. the date(s) of disposal at each receiving facility.

TCEQ Revision 6/2015

OTHER REQUIREMENTS

1. The permittee shall employ or contract with one or more licensed wastewater treatment facility operators or wastewater system operations companies holding a valid license or registration according to the requirements of 30 TAC Chapter 30, Occupational Licenses and Registrations, and in particular 30 TAC Chapter 30, Subchapter J, Wastewater Operators and Operations Companies.

   This Category C facility must be operated by a chief operator or an operator holding a Category C license or higher. The facility must be operated a minimum of five days per week by the licensed chief operator or an operator holding the required level of license or higher. The licensed chief operator or operator holding the required level of license or higher must be available by telephone or pager seven days per week. Where shift operation of the wastewater treatment facility is necessary, each shift which does not have the on-site supervision of the licensed chief operator must be supervised by an operator in charge who is licensed not less than one level below the category for the facility.

2. The facility is not located in the Coastal Management Program boundary.

3. The permittee is hereby placed on notice that this permit may be reviewed by the TCEQ after the completion of any new intensive water quality survey on Segment No. 0610 of the Neches River Basin and any subsequent updating of the water quality model for Segment No. 0610, to determine if the limitations and conditions contained herein are consistent with any such revised model. The permit may be amended, pursuant to 30 TAC § 305.62, as a result of such review. The permittee is also hereby placed on notice that effluent limits may be made more stringent at renewal based on, for example, any change to modeling protocol approved in the TCEQ Continuing Planning Process.

4. The permittee shall provide facilities for the protection of its wastewater treatment facility from a 100-year flood.

5. In accordance with 30 TAC § 319.9, a permittee that has at least twelve months of uninterrupted compliance with its bacteria limit may notify the commission in writing of its compliance and request a less frequent measurement schedule. To request a less frequent schedule, the permittee shall submit a written request to the TCEQ Wastewater Permitting Section (MC 148) for each phase that includes a different monitoring frequency. The request must contain all of the reported bacteria values (Daily Avg. and Daily Max/Single Grab) for the twelve consecutive months immediately prior to the request. If the Executive Director finds that a less frequent measurement schedule is protective of human health and the environment, the permittee may be given a less frequent measurement schedule. For this permit, 2/month may be reduced to 1/month. **A violation of any bacteria limit by a facility that has been granted a less frequent measurement schedule will require the permittee to return to the standard frequency schedule and submit written notice to the TCEQ Wastewater Permitting Section (MC 148).** The permittee may not apply for another reduction in measurement frequency for at least 24 months from the date of the last violation. The Executive Director may establish a more frequent measurement schedule if necessary to protect human health or the environment.

6. The operational requirements of the existing permit specify that **whenever flow measurements for any domestic sewage treatment facility reach 75 percent of the permitted daily average flow for three consecutive months, the permittee**

must initiate engineering and financial planning for expansion and/or upgrading the domestic wastewater treatment and/or collection facilities. Whenever the flow reaches 90 percent of the permitted daily average for three consecutive months, the permittee shall obtain necessary authorization from the Commission to commence construction of the necessary additional treatment and/or collection facilities. **In the case of a domestic wastewater facility which reaches 75 percent of the permitted daily average of annual flow for three consecutive months, and the planned population to be served or the quantity of waste produced is not expected to exceed the design limitations of the treatment facility, the permittee shall submit an engineering report supporting this claim to the Executive Director of the Commission.**

If in the judgement of the Executive Director, the population to be served will not cause permit noncompliance, then the requirement of this section may be waived. To be effective, any waiver must be in writing and signed by the Director of the Enforcement Division (MC 149) of the Commission, and such a waiver of these requirements will be reviewed upon expiration of the existing permit; however, any such waiver shall not be interpreted as condoning or excusing any violation of any permit parameter.

The permittee shall submit quarterly progress reports in accordance with the following schedule. The requirement to submit quarterly progress reports expires 20 months from date of permit issuance.

PROGRESS REPORT DATES: January 1, April 1, July 1, October 1.

The quarterly progress reports must contain a discussion of the events listed in schedule of activities that have been completed at the time of the report and their effect, if any, on the permittee's requirement to initiate engineering and financial planning for expansion and/or upgrading the domestic wastewater treatment and/or collection facilities.

All reports must be submitted to the TCEQ Regional Office (MC Region 13) and Wastewater Permitting Section of the Water Quality Division (MC 148) of the TCEQ.

THE PERMITTEE IS REQUIRED TO MEET ALL EFFLUENT LIMITATIONS AND ANY CONDITIONS/PROVISIONS OF THIS PERMIT. THIS PROVISION DOES NOT RESTRICT THE TCEQ'S ABILITY TO TAKE ENFORCEMENT OR OTHER CORRECTIVE ACTION BASED ON NON-COMPLIANCE WITH THE EFFLUENT LIMITATIONS ESTABLISHED IN THIS PERMIT OR ANY OTHER PROVISION CONTAINED IN THIS PERMIT.

7. At the time of next permit renewal or permit action, progress on plant performance issues including, but not limited to, items related to plant performance outlined in the City of San Augustine Sanitary Sewer Collection System TCEQ Compliance Plan January 2007 Report will be taken into account for further permit revisions.

CONTRIBUTING INDUSTRIES AND PRETREATMENT REQUIREMENTS

1. The following pollutants may not be introduced into the treatment facility:

   a. Pollutants which create a fire or explosion hazard in the publicly owned treatment works (POTW), including, but not limited to, waste streams with a closed cup flashpoint of less than 140 degrees Fahrenheit (60 degrees Celsius) using the test methods specified in 40 CFR § 261.21;

   b. Pollutants which will cause corrosive structural damage to the POTW, but in no case shall there be discharges with a pH lower than 5.0 standard units, unless the works are specifically designed to accommodate such discharges;

   c. Solid or viscous pollutants in amounts which will cause obstruction to the flow in the POTW, resulting in Interference;

   d. Any pollutant, including oxygen demanding pollutants (e.g., BOD), released in a discharge at a flow rate and/or pollutant concentration which will cause Interference with the POTW;

   e. Heat in amounts which will inhibit biological activity in the POTW resulting in Interference but in no case shall there be heat in such quantities that the temperature at the POTW treatment plant exceeds 104 degrees Fahrenheit (40 degrees Celsius) unless the Executive Director, upon request of the POTW, approves alternate temperature limits;

   f. Petroleum oil, non-biodegradable cutting oil, or products of mineral oil origin in amounts that will cause Interference or Pass Through;

   g. Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute worker health and safety problems; and

   h. Any trucked or hauled pollutants except at discharge points designated by the POTW.

2. The permittee shall require any indirect discharger to the treatment works to comply with the reporting requirements of Sections 204(b), 307, and 308 of the Clean Water Act, including any requirements established under 40 CFR Part 403 *[rev. Federal Register/ Vol. 70/ No. 198/ Friday, October 14, 2005/ Rules and Regulations, pages 60134-60798].*

3. The permittee shall provide adequate notification to the Executive Director, care of the Wastewater Permitting Section (MC 148) of the Water Quality Division, within 30 days subsequent to the permittee's knowledge of either of the following:

   a. Any new introduction of pollutants into the treatment works from an indirect discharger which would be subject to Sections 301 and 306 of the Clean Water Act if it were directly discharging those pollutants; and

   b. Any substantial change in the volume or character of pollutants being introduced into the treatment works by a source introducing pollutants into the treatment works at the time of issuance of the permit.

Any notice shall include information on the quality and quantity of effluent to be introduced into the treatment works and any anticipated impact of the change on the quality or quantity of effluent to be discharged from the POTW.

Revised July 2007

APPENDIX B

DESIGN PARAMETERS BASED ON DISCHARGE MONITORING REPORTS (DMRs) - DATA FOR JANUARY 2013 THROUGH DECEMBER 2015

Date		DO	pH		TSS			NH3-N			Flow		Chlorine, total residual		*E. coli*		cBOD5		
Units		mg/L	SU	SU	lbs/day	mg/L	mg/L	lbs/day	mg/L	mg/L	mgd	mgd	mg/L	mg/L	CFU/100mL	CFU/100 mL	lbs/day	mg/L	mg/L
Permit Limits		5	6	9	113	15	40	15	2	10	DAF <= 0.9 mgd; 2-hr PF <3036 gpm (4.37 mgd)		1	4	126	399	75	10	25
Start	End	Mo. Min	Minimum	Maximum	Daily Avg	Daily Avg	Daily Max	Daily Avg.	Daily Avg.	Daily Max	Daily Avg.	Daily Max	Mo. Min.	Mo. Max	Daily Avg.	Daily Max	Daily Avg.	Daily Avg.	Daily Max
1/1/2013	1/31/2013	5	6.98	7.62	31.410	6.312	11.400	1.906	0.308	1.140	0.889	2.100000	1.1	3.68	1	1	10.64	2.060	2.060
2/1/2013	2/28/2013	5	7.01	7.58	58.176	8.175	13.100	3.816	0.375	1.100	0.624071	1.288000	1.01	3.80	1	1	11.847	2.060	2.060
3/1/2013	3/31/2013	5	6.92	7.56	31.901	8.688	11.700	0.374	0.100	0.100	0.459129	0.643000	1.01	3.51	1	1	7.695	2.060	2.060
4/1/2013	4/30/2013	5	7.05	7.55	26.245	5.240	13.300	0.527	0.100	0.100	0.607833	0.990000	1.01	3.60	1	1	10.858	2.060	2.060
5/1/2013	5/31/2013	5	7.03	7.88	13.215	3.428	4.430	0.381	0.100	0.100	0.410226	0.790000	1.04	3.40	1	1	7.84	2.060	2.060
6/1/2013	6/30/2013																		
7/1/2013	7/31/2013	5	6.47	7.1	9.015	3.450	4.620	0.259	0.100	0.100	0.331194	0.528000	1.12	3.90	1.0	1.0	5.329	2.060	2.060
8/1/2013	8/31/2013	5	6.84	7.66	7.103	3.040	3.860	0.230	0.100	0.100	0.320645	0.468000	1.13	3.80	1.0	1.0	4.732	2.060	2.060
9/1/2013	9/30/2013	5	6.78	7.70	4.7	1.5	2.5	0.6	0.2	0.7	0.3158	0.5850	1.16	3.5	< 1	< 1	5.6	2.0	2.0
10/1/2013	10/31/2013	5	6.57	7.35	5.6	2.0	2.1	0.38	0.1	0.3	0.312	0.931			< 1	< 1	5.7	2.0	2.0
11/1/2013	11/30/2013	5.5	6.90	7.26	39.0	6.6	19.5	1.5	0.4	0.8	0.3827	0.900			< 1	< 1	7.4	2.0	2.0
12/1/2013	12/31/2013	5.1	6.6	7.36	31.6	7.9	10.4	0.77	0.2	0.6	0.597161	0.853	1.01	3.8	< 1	< 1	8.0	2.0	2.0
1/1/2014	1/31/2014	5.1	6.7	7.05	10.7	3.4	5.0	0.31	0.1	0.1	0.513871	0.693	1.2	3.9	1.4	< 2	6.6	2.1	2.4
2/1/2014	2/28/2014	5.6	7.33	7.51	10.5	3	4.4	0.44	0.13	0.2	0.563	0.879	1.1	3.7	1.4	< 2	7	2.0	2.0
3/1/2014	3/31/2014	6.7	7.21	7.53	8.2	2.4	2.8	0.34	0.1	0.1	0.603516	1.183	1.1	3.9	3	9	7	2	2.1
4/1/2014	4/30/2014	5	7.16	7.36	11.3	2.4	3.4	0.44	0.1	0.1	0.6111	1.805	1	3.8	3	9	12.5	2.5	4.4
5/1/2014	5/31/2014	5.1	6.85	7.28	21.6	4.7	6.8	0.62	0.13	0.2	0.652097	1.65	1.1	3.9	1	1	9.3	2.0	2.0
6/1/2014	6/30/2014	5	7.04	7.16	25.5	4.0	9.2	0.94	0.2	0.5	0.728667	3.297	1.0	3.9	1.4	2	16.7	3.1	4.0
7/1/2014	7/31/2014	5	6.9	7.48	10.7	3.5	5.6	1.5	0.44	1.1	0.642258	2.702	1	3.7	< 1	< 1	6.47	2.0	2.0
8/1/2014	8/31/2014	5	6.67	7.12	4.3	1.4	1.8	0.3	0.1	0.1	0.5236	2.00	1.3	3.8	< 1	< 1	6.0	2.0	2.0
9/1/2014	9/30/2014	5	6.71	7.30	6.2	1.7	2.8	0.39	0.1	0.1	0.3738	0.545	1.0	3.8	1.4	2.0	8.9	2.3	3.6
10/1/2014	10/31/2014	5	6.99	7.23	5.9	2.4	3.0	0.24	0.1	0.1	0.3166	0.622	1.5	3.9	< 1	< 1	5.5	2.2	2.8
11/1/2014	11/30/2014	5.4	6.75	7.08	17.0	7.6	12.0	0.23	0.1	0.1	0.374	0.914	1.3	3.8	< 1	< 1	5.4	2.4	3.7
12/1/2014	12/31/2014	5	6.88	7.19	39.3	9.2	23.5	0.37	0.12	0.2	0.442	1.15	1.0	3.8	< 1	< 1	9.2	2.5	4.3
1/1/2015	1/31/2015	5.2	7.34	7.50	31.1	6.4	14.0	1.2	0.25	0.71	1.051581	2.622	1.0	3.8	< 1	< 1	9.4	2.0	2.2
2/1/2015	2/28/2015	5	6.46	7.53	24.5	6.8	9.3	1.11	0.345	1.08	0.458214	0.753	1.5	3.9	< 1	< 1	8.0	2.35	3.4
3/1/2015	3/31/2015	5	6.84	7.6	47.4	8.4	22.0	0.52	0.1	0.1	1.241935	3.236	1.1	3.9	< 1	< 1	23.5	4.0	12.0
4/1/2015	4/30/2015	5	7.02	7.28	26.4	4.0	6.0	0.62	0.1	0.1	1.0507	2.098	1.0	3.0	2	2	12.3	2.0	2.0
5/1/2015	5/31/2015	5	7.19	7.63	35.5	6.9	11.8	0.52	0.106	0.126	1.283742	3.101	1.0	3.0	< 1	< 1	9.3	2.0	2.0
6/1/2015	6/30/2015	5	7.23	7.96	7.02	1.7	3.2	0.46	0.11	0.15	0.871633	2.264	1.0	2.4	1.4	2	8.37	2.0	2.0
7/1/2015	7/31/2015	5	6.95	7.55	2.54	1.0	1.0	0.254	0.1	0.1	0.367548	0.5500	1.0	2.1	< 1	< 1	5.09	2.0	2.0
8/1/2015	8/31/2015	5	6.80	7.37	1.67	1.1	1.2	0.152	0.1	0.1	0.267903	0.3300	1.004	2.5	< 1	< 1	3.0	2.0	2.0
9/1/2015	9/30/2015	5	7.01	7.48	1.87	1.0	1.0	0.187	0.1	0.1	0.255433	0.3330	1.2	2.7	< 1	< 1	3.74	2.0	2.0
10/1/2015	10/31/2015	5	7.04	7.62	2.47	1.4	2.2	0.169	0.1	0.1	0.260097	0.7320	1.3	3.4	< 1	< 1	3.38	2.0	2.0
11/1/2015	11/30/2015	5.1	7.00	7.50	8.00	2.4	3.1	0.332	0.1	0.1	0.520833	1.553	1.2	3.2	2	4	6.63	2.0	2.0
12/1/2015	12/31/2015	5	7.11	7.63	13.4	3.1	5.3	1.08	0.259	0.508	0.663742	1.984	1.2	3.0	< 1	< 1	8.21	2.0	2.0
Average		5.1	6.9	7.4	18.0	4.2	7.4	0.7	0.2	0.3	0.568	1.3	1.1	3.5	1.5	2.5	8.2	2.2	2.7
Max		6.7	7.3	8.0	58.2	9.2	23.5	3.8	0.4	1.1	1.3	3.3	1.5	3.9	3.0	9.0	23.5	4.0	12.0
Min		5.0	6.5	7.1	1.7	1.0	1.0	0.2	0.1	0.1	0.2554	0.3	1.0	2.1	1.0	1.0	3.0	2.0	2.0

=missing information

75% of permitted value	0.675	mgd
90% of permitted value	0.81	mgd
above permitted value	0.9	mgd

APPENDIX C

30 TAC 217 COMPLIANCE SPREADSHEETS FOR EXISTING WASTEWATER TREATMENT PLANT

30 TAC 217, SUBCHAPTER B: WASTEWATER TREATMENT FACILITY DESIGN REQUIREMENTS

217.32 Organic Loading and Flows for New Wastewater Treatment Facilities

2016 TWDB Population Projections		Daily Wastewater Flow	WWTP capacity required	Design Flow	Peak Flow	Peak Flow	Permitted PF	Permitted 2 hr PF	Exist. WWTP ADF
Year	**Population**	gpcd	gpd	x 1.5 (gpd)	x4 (gpd)	in gpm	in gpm	in MGD	gpd
2010	**2108**	100	210,800	316,200	1,264,800	878	3,036	4.37	900000
2016	**2115.8**	100	211,580	317,370	1,269,480	882	3,036	4.37	900000
2020	2121	100	212,100	318,150	1,272,600	884	3,036	4.37	900000
2030	2121	100	212,100	318,150	1,272,600	884	3,036	4.37	900000
2040	2121	100	212,100	318,150	1,272,600	884	3,036	4.37	900000
2050	2121	100	212,100	318,150	1,272,600	884	3,036	4.37	900000
2060	2121	100	212,100	318,150	1,272,600	884	3,036	4.37	900000
2070	2121	100	212,100	318,150	1,272,600	884	3,036	4.37	900000

*gpcd

217.33 Flow Measurement

Drawings show mag meter on discharge of influent pump station; and parshall flume on effluent from chlorine contact basin.

217.34 Organic Loadings and Flows for Existing Wastewater Treatment Facilities, Re-ratings and Alterations

Have DMR data from 2013 through 2015; can determine monthly flow.
Obtained results for influent loading from Eastex Laboratory.
217.35 One Hundred-Year Flood Plain Requirements
FEMA map shows "San Augustine area not included"

217.36 Emergency Power Requirements

Generator on-site; Staff stated generator can run the entire plant in case of power outage.

217.37 Disinfection System Power Reliability

Generator on-site; Staff stated generator can run the entire plant in case of power outage.

217.38 Buffer Zones and Odor Abatement

Appears there are treatment units closer than 150 from railroad tracks.

217.39 Wastewater Treatment Facility Use of Reclaimed Water

Reclaimed water not used.

217.40 Signs with Emergency Contact Information

Sign located at entry.

30 TAC 217, SUBCHAPTER E: PRELIMINARY TREATMENT UNITS

217.120 General Preliminary Treatment Requirements

WWTP has Rotarc mechanical screen.		
Screen is not housed in enclosure		
Channel Depth	8.25 ft	From EGA plans 1987
Is it readily accessible for maintenance and screenings removal?	Appears so	
Includes mechanical equipment capable of lifting screenings	Appears so - jib crane with chain hoist	

217.121 Coarse Screens

Screen opening size	Unknown	
Are manual coarse screen clear openings 0.5 to 1.0 inch?	Unknown	
Are mechanical coarse screen clear openings 0.25 to 1.0 inch?	Unknown	Appears to be 0.25 inch
Is slope 30 degrees to 60 degress?	Unknown	
If manual screen - is drain plate provided?	Yes	
If mechanical - is equipment provided that automatically collects and disposes of screenings?	Unknown	Screen is not mechanical - currently drive does not work - operated manually; Rotarc Type RCR screen
Velocity through screen 1 to 3 fps	Unknown	At design flow
Is inlet channel designed to minimize deposition of solids?	Appears so	
Flow line of channel less than or equal to 6 inches below invert?	Yes	
Corrosion resistant materials used?	Unknown	

217.122 Fine Screens

Are clear openings less than 0.25 inch?	Unknown	
Is BOD5 reduction claimed less than 35%?	None taken	
Is emergency overflow provided?	Yes	
Is a coarse screen provided ahead?	Yes - emergency manual bar screen	
Is the screen moving or rotating?	No	
Is continuous cleaning provided?	No - manual	
Are screenings automatically conveyed to storage area?	No	
Are manufacturer's recommendations followed on velocity and head loss?	Unknown	
Is the screen a bar rack or perforated plate?	bar rack	

217.123 Screenings and Debris Handling

Is there minimum storage capacity of 1 day?	Unknown	
Container for screenings provide tight fitting lid?	No	
Does storage area drain to headworks or influent pump station?	Yes	Drip pan
Does it include runoff control?	No	

217.124 Grit Removal Systems

Not applicable - no active grit removal system

217.125 Grit Chambers

Not applicable

Not applicable

Not applicable

Not applicable

Not applicable

217.126 Grit Handling

217.127 Pre-aeration Units

217.128 Flow Equalization Basins

217.129 Primary Clarifiers

30 TAC 217, SUBCHAPTER F: ACTIVATED SLUDGE SYSTEMS

217.151 Requirements for an Aeration Basin

Must meet 2.0 mg/L dissolved oxygen concentration		
Volume of aerated influent channels may be used in aeration volume requirements		
Contact Stabilization for nitrification is prohibited		

217.152 Requirements for Clarifiers

Is there an inlet valve or gate?	Yes	Sluice gates at splitter box				
Is there a stilling well?	Yes	12 ft diameter				
Is transfer pipe free of potential air entrainment?	Appears so based on hydraulic profile					
Vertical flow velocity through stilling well less than 0.15 fps at peak flow?	Yes					
Diameter stilling well:	12	ft	Stilling well	113.1	sf	
Velocity through feedwell:	0.029907	fps	12 ft stilling well at peak flow			
Peak flow:	3036	gpm	peak flow	6.7647059	cfs	
Inlet distribution channel designed to prevent settling of solids in the channel?	Yes	Influent pipe up through center				
Pumping inflow?	No					
Can clarifier hydraulically handle peak flow?	Yes					
Is there scum removal?	Yes	Scum line to IPS				
Is scum discharged to aeration basin or digester?	Scum line discharges to IPS					
Is scum pump designed for pumping scum?	No pump					
Is effluent weir located more than 6 in from outer wall or baffle?	Yes					
Are weirs level?	Unknown					
Number of clarifiers	2					
Weir Loading shall be less than	20000	gal/day/LF	at peak flow	for plants with design flow less than 1 mgd	20000	gpd/LF
Peak flow	3036	gpm	4371840 gpd	for plants with design flow more than 1 mgd	30000	gpd/LF
Weir Length	381.1799	Ft	190.59	ft per clarifier		
Actual Weir Loading	11469.23	gpd/ft	OK			
Does clarifier have weirs around perimeter	Yes					
Is sludge pipe at least 4 inch diameter?	Yes	6	inch			
Check flow velocity	>2fps design flow > 150,000 gpd					
	>0.5 fps design flow < 150,000 gpd					
Sludge Pipe Area	0.19635	sf				

Flow velocity at existing pump	5.129272	fps				
Flow velocity low required RAS rate	9.111815	fps	Yes			
Flow velocity high required RAS rate	18.22363	fps	Yes			
Is a means provided to remove a blockage?	Unknown					
Is mechanical sludge collection provided?	Yes					
Side Water Depth	9.83	ft	Based on EGA hydraulic profile			
	9.78	ft	Based on KSA hydraulic profile			
Diameter	60.66667	ft				
Surface Area	2891	sq ft.	5781.229	sq ft. total		
SWD compliant?	No					
Is short circuiting apparent?	No					
RAS pump capacity greater than clarifier underflow rate						
RAS pump capacity at least;	200	gpd/sf				
No more than	400	gpd/sf				
RAS pumping rate between	1156246	gpd	803	gpm	1.79	cfs
	2312491	gpd	1606	gpm	3.58	cfs
RAS pump capacity	452 gpm at 45' head					
Is throttling, VSD or more than 1 pump available?	Yes	two RAS pumps				

217.153 Requirements for Both Aeration Basins and Clarifiers

Construction

Are materials corrosion resistant?	Unknown	Materials for all components are unknown			
Is a common wall used?	No				
Watertight?	Appears so				
Freeboard					
AB minimum 18 inches at peak flow?	1	ft	12	inches	not based on hydraulic profile
Clarifier 12 inches at peak flow?	1.5	ft	18	inches	Yes
Redundancy and Flow Control					
Is flow =>0.4 mgd?	Yes				
2 A.B.s?	No	OK	Exempt because oxidation ditch; aeration equipment is removable w/out taking basin out of service		
2 Clarifiers?	Yes				
Can pipes handle peak flow with largest unit out?	Unknown				
Can it be isolated with gates or valves?	Yes				
Can each unit be drained?	Aeration Basin - No; Clarifier - Not currently because drain valve can't be operated				

217.154 Aeration Basin and Clarifier Sizing - Traditional Design

Must be sized to maintain a DO concentration of 2.0 mg/L at maximum diurnal organic loading rate.							
Aeration Basin Sizing							
From Table F.1							
Extended aeration basins including oxidation ditches (MCRT over 20 days)	15	lbs BOD/day/1000 cf					
Influent to AB BOD5 concentration	250	mg/L					
Flow - Permit	0.9	MGD	Volume Required According to Each Flow Condition				Does Existing Volume comply for each flow condition?
BOD Loading - Permit	1876.5	lbs/day	125,100	cf	935,748.0	Gallons	Dimensions assumed based on scale of existing drawings
Design Flow - Projected 2020	0.32	MGD					
BOD loading - Projected 2020	663	lbs/day	44,223	cf	330,786.9	Gallons	Unknown
Average of Daily Average Flow from DMRs 1/13 through 12/15	0.6	MGD					
BOD Loading - DMR Daily Average Flow	1251	lbs/day	83,400	cf	623,832.0	Gallons	Unknown
Maximum Daily Max Flow from DMRs 1/13 through 12/15	3.3	mgd					
BOD Loading - DMR Maximum Monthly Flow DMRs	6881	lbs/day	458,700	cf	3,431,076.0	Gallons	Unknown
Volume of Existing Oxidation Ditch	133057	cf	995,264	gallons	14.10	lb/day/1000cf actual loading	Meets loading requirement
Clarifier Sizing							
From Table F.2							
Maximum Surface Loading Rate at Two-Hour Peak Flow	800	gpd/sf	extended air				
Minimum Detention Time at Two-Hour Peak Flow	2.2	hours	extended air				
Surface Area of Existing Clarifier	5781	sq ft					
Peak 2-hr Flow - Permit	3036	gpm	4371840	gpd	Does Existing SLR comply for peak flow?		
SLR - Permit	756	gpd/sf			Yes		
Detention Time at varying flow conditions							
Volume of Existing Clarifier	56,829	cf	425,084	gallons			
Detention Time at varying flow conditions							
Peak 2-hr Flow - Permit	3036	gpm	182160	gph	Does Detention Time comply for peak flow?		
Detention Time - Permit	2.3	hrs			Yes		

217.155 Aeration Equipment Sizing

System designed to provide minimum of 2.0 mg/L DO
Must supply the O2R in Equation F.2 or use recommended values in Table F.3, whichever is greater

Equation F.2

Influent to AB BOD5 Concentration	250	mg/L	Assumed	Actual is much lower		
Influent to AB NH3-N Concentration	30	mg/L	Assumed	Actual is lower		
(a) O2R; Oxygen requirement	1.72	lb O2/lb BOD5		Calculated from Eqn F.2		
	2.20	lb O2/lb BOD5		Minimum from Table F.3		
Flow - Permit	0.9	MGD	Oxygen Required under varying flow conditions			
BOD Loading - Permit	1877	lbs/day	4128	lbs O2/day	172	lbs O2/hr
Average of Daily Average Flow from DMRs 1/13 through 12/15	0.6	MGD				
BOD Loading - DMR Daily Average Flow	1251	lbs/day	2877	lbs O2/day	120	lbs O2/hr
Maximum of Daily Maximum flows from DMRs 1/13 through 12/15	3.3	mgd				
BOD Loading - DMR Maximum Monthly Flow DMRs	6881	lbs/day	15825	lbs O2/day	659	lbs O2/hr
(b) Diffused Aeration Systems	Not applicable					

(c)Mechanical Aeration Systems				
Required Airflow				
Clean Water Oxygen Transfer Efficiency	<2	lbs O2/hp-hr	non-innovative technology	not enough data to ascertain compliance
	>2	lbs O2/hp-hr	innovate technology	not enough data to ascertain compliance; need full scale performance data from manufacturer
	2.30	**lb O2/lb BOD5**	2.3 field transfer rate from S&N Airflo; they got it verified TCEQ 1997 or 1998, cannot use because no full scale test data	
CWOTE	**2**	lbs O2/hp-hr		
Number of rotors	2	only 2 operational		
Hp of drive	20	hp	Based on manufacturer's information	
Clean Water Transfer	80	lbs O2/hr ft		
Convert to Wastewater Transfer efficiency	52	lbs O2/hr ft	CWOTE/WWOTE = .65 (assumed)	
Length of rotor	13.91667	ft	Length of rotor based on manufacturer drawings	41.75
Flow - Permit	0.9	MGD	Does length in calcs comply with length under varying flow conditions?	
Length of rotor required	3	ft	Yes	
Average of Daily Average Flow from DMRs 1/13 through 12/15	0.6	MGD		
Length of Rotor - DMR Daily Average Flow	2	ft	Yes	
Maximum of Daily Maximum flows from DMRs 1/13 through 12/15	3.33	mgd		
Length of Rotor - DMR Maximum Monthly Flow DMRs	13	ft	Yes	
Mixing Requirements				

Must provide mixing to prevent MLSS deposits under any flow conditions	Appears adequate			
Must be capable of re-suspending MLSS after shutdown period.	Appears adequate			
Mechanical aeration devices with a channel or basin layout must have a minimum of 100 hp/MG of aeration basin volume or 0.75 hp/ 1000 cf of aeration basin volume	99.79 hp	99.53 hp		
Supplied:	60.00 hp	If all are operational	*Not compliant	
Mechanical Components				
Each basin must have 2 devices	Yes			
Must meet maximum design requirements for oxygen with largest single unit out	Yes appears so			
Must automatically restart after a power outage or have telemetry with auto-dialer with battery backup to notify operator	Not enough data to ascertain compliance			
Must have 2-speed or variable speed drive	Not enough data to ascertain compliance			
To vary output, device may use single-speed drive units with timer-controlled operation if the device includes an independent means of mixing.	Not enough data to ascertain compliance			
Operator is able to perform routine maintenance without coming into contact with wastewater	Appears adequate			
Each bearing, drive motor or gear reducer must be accessible to an operator with a splash prevention device.	Appears adequate			
Each gear reducer must have drainage system to prevent operator contact	Not enough data to ascertain compliance			

217.156 Sequencing Batch Reactors

Not applicable

217.157 Membrane Bioreactor Systems

Not applicable

217.158 Solids Management

Solids Recycling and Monitoring

RAS system must operate as designed in all flow conditions	

Monitoring and control system provided to control return and waste sludge flows, return sludge flows to aeration basin, to meter return sludge flows and measure waste sludge flows	No control system apparent
Solids Wasting	
The solids management system must be able to store and process the WAS under all flow conditions	Unknown - WWTP is having trouble with drying beds, using two dewatering boxes
RAS Pump Design	
Centrifugal pump must have positive suction head unless self-priming	Appears adequate
Airlift pump must comply with 217.162	Pumps are not airlift
RAS systems - sufficient pumps to maintain design return rate with largest single pump out	Design return rate unknown
WAS Pump Design	
At least 2 pumps and must be sized to prevent excessive solids accumulation in the clarifiers	2 pumps
Sludge Piping System	
Accommodate cleaning and flushing	flanged pipe can be removed
Minimum velocity of 2 ft/s at maximum wasting rate	unknown
Pipe minimum diameter of 4.0 inches	Yes
217.159	**Process Control**
SRT Control	
Equipment is provided for operator to control SRT by wasting a measured volume of surplus A.S.	Flow rate is measured at RAS/WAS pumps
Engineering Report and O&M manual formulas for determining SRT	Unknown
SRT required for nitrification applies to the aerobic portion	Unknown
Unknown	
Aeration System Control	
Provide operator ability to adjust airflow in proportion to the oxygen demand	Not applicable

If adjustable airflow installed, must be manually adjustable over the range of oxygen demands and must maintain solids in suspension	Not applicable
Totalized Flow measurement	
If design flow is >0.4 MG, must provide totalized flow of RAS and WAS.	Yes, mag meter

217.16 Operability and Maintenance Requirements

All equipment able to operate at temperature extemes of the facility location or be located in a temp controlled enclosure	Yes
Equipment must be accessible for inspection, maintenance and operation	Yes
Enclosure must have clearance and working room to remove and reinstall equipment. Must be accessible to portable lifting devices or be equipped with overhead lifting eyes, hoists, trolleys, or cranes to facility safe removal.	Influent raw pumps would be a challenge

217.161 Electrical and Instrumentation Systems

Unknown

217.162 Air Lift Pump Design

Not applicable

217.163 Advanced Nutrient Removal

Not applicable

217.164 Aeration Basin and Clarifier Sizing - Volume-Flux Design Method

Need more information to determine using this method

Aeration Basin Sizing						
SRT (Eqn F.5)=	5.787121	days				
Temperature ©	16					
Trial value of MLSS=	2000	mg/L				
Y (from Table F.8)	0.889767					
F/M ratio (from Table F.8)	0.194205	lbs BOD5/lbs SS/day				
Equation F.6						
Volume of aeration basin	77423.54	cf	579128.1	gals		
Equation F.7						
Volume of aeration basin	37530	cf	280724.4	gals		
Area of clarifier Equation F.8	5778.795	sf	85.77757	diameter tc	60.65389877	diameter each
Volume of clarifier Equation F.9	57787.95	cf	432253.9	gals	does not comply	
Volume of clarifier Equation F.10	53553.92	cf	400583.3	gals	does comply	

30 TAC 217, SUBCHAPTER J: SLUDGE PROCESSING

217.241 General Requirements

Processing include thickening, stabilization and dewatering

217.242 Control of Sludge and Supernatant Volumes

Supernatant is returned to the headworks	Yes

217.243 Sludge Pipes

Each pipe must have a slope	Unknown
Piping under structure allows cleaning	Unknown
Slope of gravity discharge not less than 3%	Unknown
Minimum pipe diameter from Table J.1	Yes
Available head on gravity pipe at least 4.0 feet	Unknown

NOT ENOUGH INFORMATION ABOUT SLUDGE PIPING AND UNITS TO DETERMINE COMPLIANCE

217.244 Sludge Pumps

NOT ENOUGH INFORMATION ABOUT SLUDGE PUMPING UNITS TO DETERMINE COMPLIANCE

217.245 Exclusion of Grit, Grease and Debris from Sludge Processing Units

NOT ENOUGH INFORMATION ABOUT THE SYSTEM TO DETERMINE COMPLIANCE

217.246 Ventilation and Odor Control

Dewatering box is not enclosed

217.247 Chemical Pretreatment of Sludge

Flow rate of polymer	Unknown Polymer system down
Handling and storage of polymer	Not used currently, broken
Facility must have 30-days storage	Unknown

NOT ENOUGH INFORMATION ABOUT THE SYSTEM TO DETERMINE COMPLIANCE

217.248 Sludge Thickening

Plant does not operate a sludge thickening system		

217.249 Sludge Stabilization

Plant does not operate a sludge stabilization process		
Minimum Detention time @15 deg C	60	days
Minimum Detention time @20 deg C	40	days
Max solids concentration to calc total detention time that concentrates waste sludge only in digester tank	2	percent
Diffusers must be removable or have redundant basins		
Volatile solids loading rate	100-200	lbs of VSS/1000 cf day
DO minimum	0.5	mg/L
Mech aerators used	0.5	hp/1000cf
Diffused air mixing used	20	cfm/1000cf
Must be able to separate and withdraw solids or decant supernatant		

217.250 Sludge Dewatering

Filtrate returned to the headworks	Yes
Design of trmt unit downstream of dewatering must be based on organic load from filtrate recycle	Unknown
Redundancy mechanical units	No mechanical units
Storage requirements	Only waste once a month
Sampling points	Unknown
Bypass for maintenance	No bypass, just would pump straight to headworks
Sludge Conditioning	
No delivery system information	Unknown

No storage system or type of polymer info		Unknown
Sludge Drying Beds		
At least 2 drying beds		Yes
Engineering calcs on determination of area		No
Is sludge drying bed allowed?		No, typical rainfall year is greater than 45 inches
	217.251	**Sludge Storage**
sludge dewatering boxes		They are covered
	217.252	**Final Use or Disposal of Sludge**
Final destination		Landfill

30 TAC 217, SUBCHAPTER K: CHEMICAL DISINFECTION

	217.271	**Gaseous Chlorine Disinfection and Sulfur Dioxide Dechlorination System Redundancy Requirements**		
Number of cylinders must include that required for peak flow plus one additional cylinder				
Automatic switch between cylinders?		Yes		
Room for adequate storage?		No		
Must meet requirements 217.272 when largest out of service		Unknown		
Back up pump for injection water necessary?		Unknown		
Generator?		Yes		
	217.272	**Capacity and Sizing of Gaseous Chlorine Disinfection and Sulfur Dioxide Dechlorination Systems**		
Size based on peak flow?		Unknown		
Peak 2-hour flow		4.37	mgd	
Chlorine dosage (Table K.1)		6	mg/L	
Sulfur dioxide dosage (one to one for residual)		6	mg/L	assume all is residual unless sufficient demand information
PPD required		218.6748	lbs/day	
	217.273	**Cylinder Requirements for Gaseous Chlorine Disinfection and Sulfur Dioxide Dechlorination Systems**		
Withdrawal Factor (Table K.2)		8	lb/deg F/day	ton cylinder
Threshold Temperature for cylinder mounted vacuum regulator(Table K.2)		0	deg F	ton cylinder
Threshold Temperature for Manifold systems at 10-15 psig pressure (Table K.2)		10	deg F	ton cylinder
Low ambient temperature		20	deg F	from NOAA data
Withdrawal rate per cylinder		160	lbs/day	
Liquid Withdrawal?		9600	lbs/day	chlorine N/A
		7200	lbs/day	SO2 N/A
Number of cylinders required		2	cylinder	Yes
	217.274	**Dosage Control for Gaseous Chlorine Disinfection and Sulfur Dioxide Dechlorination Systems**		
Automatic dosage?		Yes		
	217.275	**Requirements for 150 lb Cylinders used in Gaseous Chlorine Disinfection and Sulfur Dioxide Dechlorination Systems**		
Heated rooms?		N/A		
Heating blankets (sulfur dioxide)?		N/A		
Downstream PRV?		N/A		
Automatic deactivation based on pressure?		N/A		
Outdoor cylinder storage:				
Out of direct sunlight?		N/A		
Allow safe removal and replacement?		N/A		
	217.276	**Requirements for One-Ton and Larger Cylinders used in Gas-Withdrawal Chlorine Disinfection and Sulfur Dioxide Dechlorination Systems**		
Chlorinators and sulfonators indoors?		Yes, unsure of temperature control, chlorinators		
Outdoor storage:				
Protects from direct sunlight?		Yes		
Allow safe removal and replacement?		Yes		
Heating blankets (sulfur dioxide)?		N/A		
Protect against blanket above 100 degrees F?		N/A		
Downstream PRV?		N/A		
Automatic deactivation based on pressure?		N/A		
	217.277	**Requirements for One-Ton and Larger Cylinders used in Liquid-Withdrawal Chlorine Disinfection and Sulfur Dioxide Dechlorination Systems**		
N/A				
	217.278	**Safety Requirements for Gaseous Chlorine Disinfection and Sulfur Dioxide Dechlorination Systems**		
Floor drain connection to other FDs		Unknown		
Doors and Windows open to outside and panic hardware?		Yes		
One clear gas tight windown in gas tight door?		Unknown		
Gas tight window (additional)?		Unknown		
Ventilation		Unknown		
Air exchange every 3 minutes		Unknown		
External exhaust controls and leak detection equipment?		Unknown		
Forced air?		Unknown		
Safe vent location, clearly marked?		Unknown		
Gas detectors and alarm system?		Maybe		shown on electrical schematic
SCBA equipment available?		Unknown		
Separate rooms?		N/A		
	271.279	**Equipment and Material Requirements for Gaseous Chlorine Disinfection and Sulfur Dioxide Dechlorination Systems**		

Does it meet manufacturer's recommendations?	Unknown		
150 lb cylinder stored vertically and secured by chain?	N/A		
Ton-cylinder stored horizontally on trunnions?	Yes		
Scale?	Yes		
Piping and system compliant for gas transport pressure?	N/A		
Piping and system compliant for liquid transport pressure?	N/A		
Piping and fittings compliant for gas transport vacuum?	Appears so		
Diffusers, minimum velocity?	Yes	Use Chlorine Injection Box	

217.280 Design of Sodium Hypochlorite Disinfection and Sodium Bisulfite Dechlorination Systems

Not applicable

217.281 Applicatino of Chlorination and Dechlorination Chemicals

Is mixing zone separate, can't be part of CCB volume?	Yes	Has injection box	
Is Cl2 mixing highly turbulent flow regime (G=500/s) or serpentine?	Appears sc	Diffuser tube used, manufacturer data not available to determine G value	
Is mixing of disinfection systems compliant with effluent limits (d	N/A		
Mixing G value of 250/s	N/A		
Chlorine Contact Basins			
Minimum chlorine contact time of 20 mins at peak flow?	Yes		
Peak 2-hour flow	3036	gpm	
	405.8824	cfm	
Volume of ccb	4520.989	cf	volume of cone bottom
	3951.761	cf	volume of cylinder portion
	8472.75	cf	
Detention time	20.87489	Yes	
Rectangular have rounded corners?	N/A	circular	
More than one:			
Needs to be able to verify the contact time in each basin?	N/A		
Separate sampling points after each basin?	N/A		
Aerated, analysis of feed rate to offset volatilization?	N/A		
Engineering report supporting data?	N/A		
Drain?	Yes	Tied into sludge line from clarifiers…	

217.282 Other Chemical Disinfection and Dechlorination Processes

N/A

217.283 Post-Disinfection Requirements

Sampling points identified:	
To monitor disinfection system for process control:	Yes
To monitor permit effluent limits:	Yes
Is the ability to add post-aeration?	Unknown

Appendix C

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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

IN THE MATTER OF AN ENFORCEMENT ACTION CONCERNING CITY OF SAN AUGUSTINE RN103137949	**§ § § § §**	**BEFORE THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY**

AGREED ORDER
DOCKET NO. 2016-0449-MWD-E

I. JURISDICTION AND STIPULATIONS

On JUN 27 2018, the Texas Commission on Environmental Quality ("the Commission" or "TCEQ") considered this agreement of the parties, resolving an enforcement action regarding the City of San Augustine (the "Respondent") under the authority of TEX. WATER CODE chs. 7 and 26. The Executive Director of the TCEQ, through the Enforcement Division, and the Respondent together stipulate that:

1. The Respondent owns and operates a wastewater treatment facility with an associated wastewater collection system located approximately 5,000 feet northeast of the intersection of United States Highway 96 and Farm-to-Market Road 147 in San Augustine County, Texas (the "Facility"). The Facility is near or adjacent to water in the state as defined in TEX. WATER CODE § 26.001(5).

2. The Executive Director and the Respondent agree that the TCEQ has jurisdiction to enter this Order pursuant to TEX. WATER CODE §§ 7.002, 7.051, and 7.073, and that the Respondent is subject to TCEQ's jurisdiction. The TCEQ has jurisdiction in this matter pursuant to TEX. WATER CODE § 5.013 because it alleges violations of TEX. WATER CODE ch. 26 and the rules of the TCEQ.

3. The occurrence of any violation is in dispute and the entry of this Order shall not constitute an admission by the Respondent of any violation alleged in Section II ("Allegations"), nor of any statute or rule.

4. An administrative penalty in the amount of $26,251 is assessed by the Commission in settlement of the violations alleged in Section II ("Allegations"). The amount of $5,250 is deferred contingent upon the Respondent's timely and satisfactory compliance with all the terms of this Order. If the Respondent fails to timely and satisfactorily comply with any of the terms and conditions contained in this Order, the Executive Director may demand payment of all or part of the deferred penalty amount.

Pursuant to TEX. WATER CODE § 7.067, $21,001 of the penalty shall be conditionally offset by the Respondent's timely and satisfactory completion of a Supplemental Environmental Project ("SEP") as defined in the attached SEP Agreement ("Attachment A", incorporated herein by reference). The Respondent's obligation to pay the conditionally offset portion of the penalty shall be discharged upon full compliance with all the terms and conditions of this Order, which includes the timely and satisfactory completion of all provisions of the SEP Agreement, as determined by the Executive Director.

5. The Executive Director and the Respondent agree on a settlement of the matters alleged in this enforcement action, subject to final approval in accordance with 30 TEX. ADMIN. CODE § 70.10(a). Any notice and procedures, which might otherwise be authorized or required in this action, are waived in the interest of a more timely resolution of the matter.

6. The Executive Director may, without further notice or hearing, refer this matter to the Office of the Attorney General of the State of Texas ("OAG") for further enforcement proceedings if the Executive Director determines that the Respondent has not complied with one or more of the terms or conditions in this Order.

7. This Order represents the complete and fully-integrated agreement of the parties. The provisions of this Order are deemed severable and, if a court of competent jurisdiction or other appropriate authority deems any provision of this Order unenforceable, the remaining provisions shall be valid and enforceable.

8. This Order shall terminate five years from its effective date or upon compliance with all the terms and conditions set forth in this Order, whichever is later.

9. The Executive Director recognizes that the Respondent implemented the following corrective measures at the Facility:

   a. By January 11, 2016, jet cleaned and/or replaced sewer pipes and manholes in the areas affected by unauthorized discharges and repaired the pump at the headworks.

   b. By January 20, 2016, provided written notification of the January 10, 2016 unauthorized discharges to the Beaumont Regional Office and the Enforcement Division.

   c. By January 22, 2016, properly disposed of debris, cleaned, and disinfected the areas affected by unauthorized discharges.

   d. By February 17, 2016:

      i. Repaired the lift station pumps and audio/visual alarms at the Montgomery Lift Station, and closed the gap between the base of the Facility fencing and the ground behind the oxidation ditch; and

ii. Updated the Facility's operational guidance and conducted employee training to ensure that monitoring and reporting records are readily available for review by TCEQ representatives upon request, including:

(1) Calibration log books;

(2) Dissolved oxygen meter calibration records;

(3) Calibration certification for the electronic flow meter;

(4) Certification for the sample refrigerator thermometer; and

(5) Procedures that samples are stored in a cooler on ice until the contract laboratory picks up the samples.

II. ALLEGATIONS

1. During an investigation conducted on January 19, 2016, an investigator documented that the Respondent:

a. Failed to ensure that all systems of collection, treatment, and disposal are properly operated and maintained; and failed to take all reasonable steps to prevent or minimize the discharge of sewage sludge into or adjacent to any water in the state, in violation of TEX. WATER CODE § 26.121(a)(1), 30 TEX. ADMIN. CODE § 305.125(1), (4), and (5), and Texas Pollutant Discharge Elimination System ("TPDES") Permit No. WQ0010268001, Permit Conditions No. 2.d and Operational Requirements No. 1. Specifically, the clarifier was not capturing all solids because the rubber rake on the clarifier arm was not flush with the skimmer side wall and sewage sludge was observed at Outfall No. 001, continuing 40 yards downstream. A faint septic odor coming from the sludge was noted.

b. Failed to prevent the unauthorized discharge of wastewater into or adjacent to any water in the state, in violation of TEX. WATER CODE § 26.121(a)(1), 30 TEX. ADMIN. CODE § 305.125(1) and (4), and TPDES Permit No. WQ0010268001, Permit Conditions No. 2.g. Specifically, wastewater was discharged from various locations throughout the Facility and associated wastewater collection system onto the ground, as described in the following table. Debris from the January 10, 2016 unauthorized discharge was observed on the ground outside of the headworks and oxidation ditch.

Unauthorized Discharges Violation Table				
Start Date	End Date	Approximate Volume (gallons)	Location	Cause

January 20, 2015	January 21, 2015	200	Force Main Cleanout	Collapsed pipe
February 8, 2015	February 9, 2015	5,000	Manhole on Willow Lane	Stoppage
September 4, 2015	September 4, 2015	500	Manhole on Bellaire Street	Collapsed pipe
January 10, 2016	January 11, 2016	250	Headworks and oxidation ditch	Pump mechanical failure

c. Failed to submit written notification to the Beaumont Regional Office and the Enforcement Division within five working days of becoming aware of an unauthorized discharge, in violation of 30 TEX. ADMIN. CODE § 305.125(9)(A) and TPDES Permit No. WQ0010268001, Monitoring and Reporting Requirements No. 7.a. Specifically, an unauthorized discharge of wastewater that occurred at the headworks and oxidation ditch from January 10 through January 11, 2016 was not reported to the Beaumont Regional Office until January 20, 2016.

d. Failed to initiate engineering and financial planning for expansion and/or upgrading of the Facility when the effluent daily average flow measurements reached 75% of the permitted daily average flow limit for at least three consecutive months; and failed to submit progress reports at the intervals specified in the permit, in violation of 30 TEX. ADMIN. CODE §§ 305.125(1) and 305.126(a) and TPDES Permit No. WQ0010268001, Operational Requirements No. 8 and Other Requirements No. 6. Specifically, the Respondent had not obtained authorization from the Commission to commence construction of the necessary additional treatment and/or collection units when the Facility exceeded 90% of the permitted daily average flow for three consecutive months. The flow at the Facility exceeded both 75% and 90% of the permitted daily average flow limit of 0.90 million gallons per day during the months of March through May 2015. In addition, the January 1, 2016 quarterly progress report was not submitted to the Beaumont Regional Office and the Water Quality Division with updates on the progress to initiate engineering and financial planning for expansion of the Facility and/or collection system, as required.

e. Failed to ensure that all systems of collection, treatment, and disposal are properly operated and maintained, in violation of 30 TEX. ADMIN. CODE § 305.125(1) and (5) and TPDES Permit No. WQ0010268001, Operational Requirements No. 1. Specifically, the audio/visual alarm and two pumps installed at the Montgomery Lift Station were not operational and the auto dialer was disconnected; solids and grease had accumulated in the wet well of the Cash Street Lift Station; the auto dialer was disconnected at the 353 Lift Station; and a 10-inch gap was observed between the base of the fencing and the ground behind the oxidation ditch.

f. Failed to retain monitoring and reporting records at the Facility or make them readily available for review by a TCEQ representative, in violation of 30 TEX. ADMIN. CODE §§ 305.125(1) and (11)(B) and 319.7(c) and TPDES Permit No. WQ0010268001, Monitoring and Reporting Requirements No. 3.b. Specifically, the dissolved oxygen meter calibration records, calibration certification for the electronic flow meter, and certification for the sample refrigerator thermometer were not available for review.

g. Failed to comply with specified sample preservation methods, in violation of 30 TEX. ADMIN. CODE §§ 305.125(1) and 319.11(a) and TPDES Permit No. WQ0010268001, Monitoring and Reporting Requirements No. 2.a. Specifically, food was being stored in the refrigerator that was used for storing the Facility's monitoring samples.

2. During a record review conducted on July 11, 2016, an investigator documented that the Respondent failed to comply with permit effluent limitations, in violation of TEX. WATER CODE § 26.121(a)(1), 30 TEX. ADMIN. CODE § 305.125(1), and TPDES Permit No. WQ0010268001, Effluent Limitations and Monitoring Requirements No. 1. Specifically, the discharged volume of flow exceeded the flow daily average permitted limit of 0.90 million gallons per day ("MGD") for the months of January 2015 (1.05181 MGD), March 2015 (1.241935 MGD), April 2015 (1.0507 MGD), and May 2015 (1.283742 MGD).

III. DENIALS

The Respondent generally denies each allegation in Section II ("Allegations").

IV. ORDERING PROVISIONS

NOW, THEREFORE, THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY ORDERS that:

1. The Respondent is assessed a penalty as set forth in Section I, Paragraph 4. The payment of this penalty and the Respondent's compliance with all of the requirements set forth in this Order resolve only the allegations in Section II. The Commission shall not be constrained in any manner from requiring corrective action or penalties for violations which are not raised here. Penalty payments shall be made payable to "TCEQ" and shall be sent with the notation "Re: City of San Augustine, Docket No. 2016-0449-MWD-E" to:

   Financial Administration Division, Revenue Operations Section
   Attention: Cashier's Office, MC 214
   Texas Commission on Environmental Quality
   P.O. Box 13088
   Austin, Texas 78711-3088

2. The Respondent shall implement and complete an SEP as set forth in Section I, Paragraph 4. The amount of $21,001 of the assessed penalty is conditionally offset based on the Respondent's implementation and completion of the SEP pursuant to the terms of the SEP Agreement, as defined in Attachment A. Penalty payments for any portion of

the SEP deemed by the Executive Director as not complete shall be paid within 30 days after the date the Executive Director demands payment.

3. The Respondent shall undertake the following technical requirements:

a. Within 30 days after the effective date of this Order:

i. Initiate engineering and financial planning for expanding and/or upgrading the wastewater treatment Facility and associated collection system, by approving the budget for an assessment of the system, including labor, equipment, and engineering fees; or obtain a waiver for the Facility and associated collection system, in accordance with TPDES Permit No. WQ0010268001, Operational Requirements No. 8.a and 30 TEX. ADMIN. CODE § 305.126.

ii. Update the Facility's operational guidance and conduct employee training to ensure that:

(1) All reporting procedures are properly accomplished, including procedures for the submittal of the quarterly progress reports, in accordance with TPDES Permit No. WQ0010268001, Other Requirements No. 6;

(2) Facility operational procedures are properly accomplished, including procedures to prevent or minimize the discharge of sewage sludge into any water in the state, in accordance with TPDES Permit No. WQ0010268001, Permit Conditions No. 2.d; and

(3) Unauthorized discharges are reported to the TCEQ within five days of becoming aware of the noncompliance.

iii. Repair/replace the rubber rake to be flush with the clarifier skimmer side walls;

iv. Connect and properly operate the auto dialers at the Montgomery and 353 Lift Stations; and

v. Remove and properly dispose of excess solids and grease from the Cash Street Lift Station wet well.

b. Within 45 days after the effective date of this Order, submit written certification of compliance with Ordering Provision Nos. 3.a.i through 3.a.v, in accordance with Ordering Provision No. 3.j.

c. Within 45 days after the effective date of this Order, complete remediation of the receiving stream by removing and disposing of sewage sludge and related

materials ("removed materials") from the impacted portions of the receiving stream. Disposal of any removed materials shall be carried out in accordance with all applicable rules of the TCEQ and in a manner that prevents contamination of surface water or groundwater. The Facility shall maintain written records of the location, nature and amount of each type of sludge or other deposits removed, the technique used for removal and transport, and the ultimate disposal site.

d. Within 60 days after the effective date of this Order, submit written certification of compliance with Ordering Provision No. 3.c, in accordance with Ordering Provision No. 3.j.

e. Within 60 days after the effective date of this Order, if no waiver for the Facility is obtained, submit a notice, which may be in the form of an engineering report, to the TCEQ describing any planned physical alterations or additions to the Facility in writing to:

Water Quality Division
Wastewater Permitting Section, MC 148
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, Texas 78711-3087

f. Within 75 days after the effective date of this Order, submit written certification of compliance with Ordering Provision No. 3.e, in accordance with Ordering Provision No. 3.j.

g. Respond completely and adequately, as determined by TCEQ, to any requests for information and/or address any deficiencies identified by the TCEQ concerning the notice and/or engineering report within 30 days after the date of such requests or by any other deadline specified in writing to:

Water Quality Division
Wastewater Permitting Section, MC 148
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, Texas 78711-3087

h. Within 105 days after the effective date of this Order, submit written certification of compliance that either authorization to commence construction of the additions or modifications to the Facility and associated collection system has been obtained or that a waiver of 30 TEX. ADMIN. CODE § 305.126(a) requirements has been obtained, in accordance with Ordering Provision No. 3.j.

i. Within 300 days after the effective date of this Order, submit written certification, in accordance with Ordering Provision No. 3.j, of compliance with:

(1) The permit requirements of TPDES Permit No. WQ0010268001, including specific corrective actions that were implemented at the Facility

and associated collection system to prevent or minimize the discharge of sewage sludge into or adjacent to any water in the state; and

(2) The effluent limitations of TPDES Permit No. WQ0010268001, including specific corrective actions that were implemented at the Facility to achieve compliance and copies of the most current self-reported discharge monitoring reports, demonstrating at least three consecutive months of compliance with all permitted effluent limitations.

j. The certifications required by Ordering Provision Nos. 3.b, 3.d, 3.f, 3.h, and 3.i shall include detailed supporting documentation including photographs, receipts, and/or other records to demonstrate compliance with Ordering Provision Nos. 3.a.i through 3.a.v, 3.c, 3.e, 3.h, and 3.i(1) and (2). The certification shall be signed by the Respondent and shall include the following certification language:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations."

The certification shall be submitted to:

Order Compliance Team
Enforcement Division, MC 149A
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, Texas 78711-3087

with a copy to:

Water Section Manager
Beaumont Regional Office
Texas Commission on Environmental Quality
3870 Eastex Freeway
Beaumont, Texas 77703-1892

4. All relief not expressly granted in this Order is denied.

5. The duties and provisions imposed by this Order shall apply to and be binding upon the Respondent. The Respondent is ordered to give notice of this Order to personnel who maintain day-to-day control over the Facility operations referenced in this Order.

6. If the Respondent fails to comply with any of the Ordering Provisions in this Order within the prescribed schedules, and that failure is caused solely by an act of God, war, strike, riot, or other catastrophe, the Respondent's failure to comply is not a violation of this Order. The Respondent shall have the burden of establishing to the Executive Director's satisfaction that such an event has occurred. The Respondent shall notify the

Executive Director within seven days after the Respondent becomes aware of a delaying event and shall take all reasonable measures to mitigate and minimize any delay.

7. The Executive Director may grant an extension of any deadline in this Order or in any plan, report, or other document submitted pursuant to this Order, upon a written and substantiated showing of good cause. All requests for extensions by the Respondent shall be made in writing to the Executive Director. Extensions are not effective until the Respondent receives written approval from the Executive Director. The determination of what constitutes good cause rests solely with the Executive Director. Extension requests shall be sent to the Order Compliance Team at the address listed above.

8. This Order, issued by the Commission, shall not be admissible against the Respondent in a civil proceeding, unless the proceeding is brought by the OAG to: (1) enforce the terms of this Order; or (2) pursue violations of a statute within the Commission's jurisdiction, or of a rule adopted or an order or permit issued by the Commission under such a statute.

9. This Order may be executed in separate and multiple counterparts, which together shall constitute a single instrument. Any page of this Order may be copied, scanned, digitized, converted to electronic portable document format ("pdf"), or otherwise reproduced and may be transmitted by digital or electronic transmission, including but not limited to facsimile transmission and electronic mail. Any signature affixed to this Order shall constitute an original signature for all purposes and may be used, filed, substituted, or issued for any purpose for which an original signature could be used. The term "signature" shall include manual signatures and true and accurate reproductions of manual signatures created, executed, endorsed, adopted, or authorized by the person or persons to whom the signatures are attributable. Signatures may be copied or reproduced digitally, electronically, by photocopying, engraving, imprinting, lithographing, electronic mail, facsimile transmission, stamping, or any other means or process which the Executive Director deems acceptable. In this paragraph exclusively, the terms: electronic transmission, owner, person, writing, and written, shall have the meanings assigned to them under TEX. BUS. ORG. CODE § 1.002.

10. The effective date of this Order is the date it is signed by the Commission. A copy of this fully executed Order shall be provided to each of the parties.

SIGNATURE PAGE

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

For the Commission — Date: 6/27/18

For the Executive Director — Date: 5/4/18

I, the undersigned, have read and understand the attached Order. I am authorized to agree to the attached Order, and I do agree to the terms and conditions specified therein. I further acknowledge that the TCEQ, in accepting payment for the penalty amount, is materially relying on such representation.

I also understand that failure to comply with the Ordering Provisions, if any, in this order and/or failure to timely pay the penalty amount, may result in:

- A negative impact on compliance history;
- Greater scrutiny of any permit applications submitted;
- Referral of this case to the Attorney General's Office for contempt, injunctive relief, additional penalties, and/or attorney fees, or to a collection agency;
- Increased penalties in any future enforcement actions;
- Automatic referral to the Attorney General's Office of any future enforcement actions; and
- TCEQ seeking other relief as authorized by law.

In addition, any falsification of any compliance documents may result in criminal prosecution.

Signature — Date: 2/26/18

Leroy Hughes
Name (Printed or typed)
Authorized Representative of
City of San Augustine

Mayor
Title

Instructions: Send the original, signed Order with penalty payment to the Financial Administration Division, Revenue Operations Section at the address in Section IV, Paragraph 1 of this Order.

☐ *If mailing address has changed, please check this box and provide the new address below:*

Attachment A

Docket Number: 2016-0449-MWD-E

SUPPLEMENTAL ENVIRONMENTAL PROJECT

Respondent:	**City of San Augustine**
Payable Penalty Amount:	**$21,001**
SEP Offset Amount:	**$21,001**
Type of SEP:	**Contribution to a Third-Party Pre-Approved SEP**
Third-Party Administrator:	**Texas Association of Resource Conservation and Development Areas, Inc.**
Project Name:	***Wastewater Treatment Assistance***
Location of SEP:	**San Augustine County - Sabine River Basin, Carrizo-Wilcox Aquifer**

The Texas Commission on Environmental Quality ("TCEQ") agrees to offset the administrative penalty amount assessed in this Agreed Order for the Respondent to contribute to a Supplemental Environmental Project ("SEP"). The offset is equal to the SEP Offset Amount set forth above and is conditioned upon completion of the project in accordance with the terms of this Attachment A.

1. Project Description

a. Project

The Respondent shall contribute the SEP Offset Amount to the Third-Party Administrator named above. The contribution will be to the **Texas Association of Resource Conservation and Development Areas, Inc. ("RC&D")** for the *Wastewater Treatment Assistance* project. The contribution will be used in accordance with the SEP Agreement between the Third-Party Administrator and the TCEQ (the "Project"). Specifically, the SEP Offset Amount will be used to coordinate with city and county government officials and private entities to repair or replace failing or inadequately designed on-site wastewater treatment systems such as septic systems for low-income households. Low-income households fall at or below the 80 percent median income level for households in the county where they live.

The Third-Party Administrator shall ensure that all repairs, replacements, and installations are performed in compliance with local, state, and federal rules relating to on-site wastewater treatment systems. The Third-Party Administrator shall ensure that only properly licensed contractors are utilized for repair of existing on-site wastewater treatment systems and installation of new on-site wastewater treatment systems.

An on-site wastewater treatment system is a system of treatment devices or disposal facilities that (1) is used for the disposal of domestic sewage, excluding liquid waste resulting from the processes used in industrial and commercial establishments; (2) is located on the site where the sewage is produced; and (3) produces not more than 5,000 gallons of waste a day. The SEP will be done in accordance with all federal, state, and local environmental laws and regulations.

All dollars contributed will be used solely for the direct cost of the Project, including but not limited to supplies, materials, and equipment. Any portion of this contribution that is not able to be spent on the specifically identified SEP may, at the discretion of the Executive Director ("ED"), be applied to another pre-approved SEP.

The Respondent's signature affixed to this Agreed Order certifies that it has no prior commitment to make this contribution and that it is being contributed solely in an effort to settle this enforcement action. The Respondent shall not profit in any manner from this SEP.

b. Environmental Benefit

This SEP will provide a benefit to the environment by preventing the release of sewage into the environment and by protecting human health. Raw sewage can carry bacteria, viruses, protozoa (parasitic organisms), helminthes (intestinal worms), and bioaerosols (inhalable molds and fungi). The diseases they may cause range in severity from mild gastroenteritis to life-threatening ailments such as cholera, dysentery, infectious hepatitis, and severe gastroenteritis. People can be exposed through sewage in drinking water sources, direct contact from water in lawns or streets, and inhalation and skin absorption.

Sewage overflows may cause damage to the environment. Sewage overflows may reach rivers, lakes, streams, or aquifer systems. In addition to potential spread of disease, sewage in the environment contributes excess nutrients, metals, and toxic pollutants that contaminate water quality, cause algae blooms, and kill fish and other organisms in aquatic habitats.

c. Minimum Expenditure

The Respondent shall contribute at least the SEP Offset Amount to the Third-Party Administrator and comply with all other provisions of this SEP.

2. Performance Schedule

Within 30 days after the effective date of this Agreed Order, the Respondent must contribute the SEP Offset Amount to the Third-Party Administrator. The Respondent shall make the check payable to **Texas Association of RC&D SEP** and shall mail the contribution with a copy of the Agreed Order to:

Texas Association of RC&D Areas, Inc.
Attn.: Jerry Pearce, Executive Director
P.O. Box 2533
Victoria, Texas 77902

3. Records and Reporting

Concurrent with the payment of the SEP Offset Amount, the Respondent shall provide the Enforcement SEP Coordinator with a copy of the check and transmittal letter indicating full payment of the SEP Offset Amount to the Third-Party Administrator. The Respondent shall mail a copy of the check and transmittal letter to:

Texas Commission on Environmental Quality
Enforcement Division
Attention: SEP Coordinator, MC 219
P.O. Box 13087
Austin, Texas 78711-3087

4. Failure to Fully Perform

If the Respondent does not perform its obligations under this Attachment A, including full expenditure of the SEP Offset Amount, as described in Sections 2 and 3 above, the ED may require immediate payment of all or part of the SEP Offset Amount.

In the event the ED determines that the Respondent failed to fully implement and complete the Project, the Respondent shall remit payment for all or a portion of the SEP Offset Amount, as determined by the ED, and as set forth in the attached Agreed Order. After receiving notice of failure to complete the Project, the Respondent shall include the docket number of the attached Agreed Order and a note that the enclosed payment is for the reimbursement of a SEP; shall make the check payable to "Texas Commission on Environmental Quality"; and shall mail it to:

Texas Commission on Environmental Quality
Litigation Division
Attention: SEP Coordinator, MC 175
P.O. Box 13087
Austin, Texas 78711-3087

5. Publicity

Any public statements concerning this SEP and/or project, made by or on behalf of the Respondent must include a clear statement that **the project was performed as part of the settlement of an enforcement action brought by the TCEQ**. Such statements include advertising, public relations, and press releases.

6. Recognition

The Respondent may not seek recognition for this contribution in any other state or federal regulatory program.

7. Other SEPs by TCEQ or Other Agencies

The SEP Offset Amount identified in this Attachment A and in the attached Agreed Order has not been, and shall not be, included as a SEP for the Respondent under any other Agreed Order negotiated with the TCEQ or any other agency of the state or federal government.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

June 29, 2018

FIRST CLASS MAIL

The Honorable Leroy Hughes, Mayor
City of San Augustine
301 South Harrison Street
San Augustine, Texas 75972

RE: City of San Augustine
TCEQ Docket No. 2016-0449-MWD-E; Permit Nos. TX0022349 and WQ0010268001
Agreed Order Assessing Administrative Penalties and Requiring Certain Actions

Enclosed is a copy of an order issued by the Commission.

Questions regarding the order should be directed to the Texas Commission on Environmental Quality's Enforcement Division at (512) 239-2545 or the Litigation Division at (512) 239-3400. If there are questions pertaining to the mailing of the order, then please contact Donald Purdy of the Office of the Chief Clerk at (512) 239-2040.

Sincerely,

Bridget C. Bohac

Bridget C. Bohac
Chief Clerk

BCB/dcp

Enclosure

cc: Austin Henck, Enforcement Coordinator, TCEQ Enforcement Division
Stuart Beckley, SEP Coordinator, TCEQ Enforcement Division

Appendix D

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CITY OF SAN AUGUSTINE, TEXAS

ANNUAL FINANCIAL REPORT FOR THE YEAR ENDED JUNE 30, 2018

CITY OF SAN AUGUSTINE, TEXAS

Annual Financial Report for the
Year Ended June 30, 2018

TABLE OF CONTENTS

Tiller and Company
A PROFESSIONAL CORPORATION OF
CERTIFIED PUBLIC ACCOUNTANTS

INDEPENDENT AUDITORS' REPORT

Mayor and City Council
City of San Augustine, Texas

We have audited the accompanying financial statements of the governmental activities, the business-type activities, and each major fund of the City of San Augustine, Texas (the "City"), as of and for the year ended June 30, 2018, and the related notes to the financial statements, which collectively comprise the City's basic financial statements as listed in the table of contents.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with the accounting principles generally accepted in the United States of America; this includes determining that the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditor Responsibility

Our responsibility is to express opinions on these financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America and Government Auditing Standards issued by the Comptroller General of the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

Opinions

In our opinion, the financial statements referred to above present fairly, in all material respects, the respective financial position of the governmental activities, the business-type activities, and each major fund of the City of San Augustine, Texas as of June 30, 2018, and the respective changes in financial position and, where applicable, cash flows thereof, for the year then ended in accordance with accounting principles generally accepted in the United States of America.

204 W. COLUMBIA/POST OFFICE BOX 671/SAN AUGUSTINE, TEXAS 75972/(936) 275-5622
MEMBERS OF THE AMERICAN INSTITUTE OF CERTIFIED PUBLIC ACCOUNTANTS - THE TEXAS SOCIETY OF CERTIFIED PUBLIC ACCOUNTANTS

Emphasis of Matter

As discussed in Notes A and G, to the financial statements, the City adopted provisions of Government Accounting Standards Board ("GASB") Statement No. 75, *Accounting and Financial Reporting for Postemployement Benefits Other Than Pensions,* as of June 30, 2018. Our opinion is not modified with respect to this matter.

Other Matters

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that the Management's Discussion and Analysis, the budgetary information, Schedules of Changes in Net Pension Liability and Net OPEB Liability and Related Ratios, and the Schedule of Pension Contributions identified as Required Supplementary Information in the table of contents be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Other Information

Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the City's basic financial statements. The accompanying Schedule of Departmental Net Operating Income, Schedule of Operating Expenses – Proprietary Fund and Schedule of Current Expenditures – General Fund listed in the table of contents are presented for purposes of additional analysis and are not a required part of the financial statements.

The schedules referred to above are the responsibility of management and were derived from and relates directly to the underlying accounting and other records used to prepare the basic financial statements. Such information has been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, these schedules are fairly stated, in all material respects, in relation to the basic financial statements as a whole.

The Other Data listed in the table of contents has not been subjected to the auditing procedures applied in the audit of the basic financial statements, and accordingly, we do not express an opinion or provide any assurance on it.

Other Reporting Required by *Government Auditing Standards*

In accordance with *Government Auditing Standards,* we have also issued our report dated December 13, 2018 on our consideration of the City's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, and other matters. The purpose of the report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the City's internal control over financial reporting and compliance.

Respectfully submitted,

Tiller and Company
A Professional Corporation of
Certified Public Accountants

San Augustine, Texas
December 13, 2018

MANAGEMENT'S DISCUSSION AND ANALYSIS

This section of City of San Augustine, Texas' annual financial report presents our discussion and analysis of the City's financial performance during the fiscal year ended June 30, 2018. Please read it in conjunction with the City's financial statements, which follow this section.

FINANCIAL HIGHLIGHTS

- The City's total combined assets and deferred outflows exceeded its liabilities and deferred inflows (net position) by $5,711,774 at June 30, 2018. Included in this amount is $704,508 in unrestricted net position.
- During the year, the City's governmental activities expenses were $42,891 more than the $1,844,060 generated in taxes and other revenues for governmental activities.
- The total cost of the City's governmental activities, excluding grant expenses, decreased by $204,814 from last year.
- The City transferred $411,000 from the System Fund (water, sewer and electricity) to the General Fund as payments in lieu of taxes.
- The general fund reported a fund balance this year of $137,282, a decrease of $42,450 from last year.

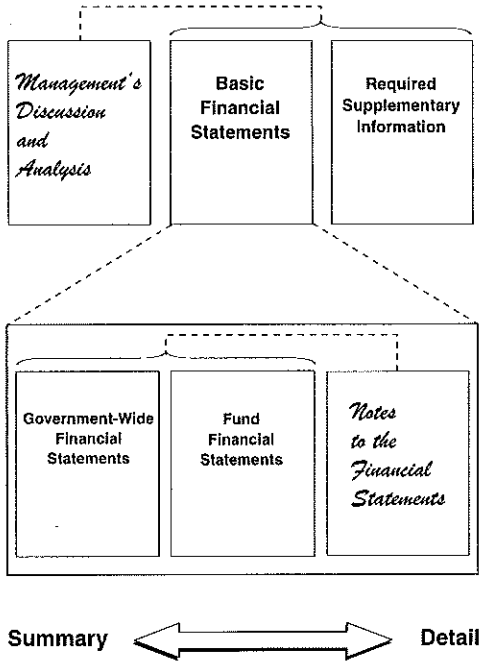
OVERVIEW OF THE FINANCIAL STATEMENTS

This annual report consists of three parts—*management's discussion and analysis* (this section), the *basic financial statements*, *and required supplementary information*. The basic financial statements include two kinds of statements that present different views of the City:

- The first two statements are *government-wide financial statements* that provide both *long-term* and *short-term* information about the City's overall financial status.
- The remaining statements are *fund financial statements* that focus on *individual parts* of the government, reporting the City's operations in more detail than the government-wide statements.
- *The governmental funds* statements tell how *general government* services were financed in the *short term* as well as what remains for future spending.

The financial statements also include notes that explain some of the information in the financial statements and provide more detailed data. The statements are followed by a section of *required supplementary information* that further explains and supports the information in the financial statements. Figure A-1 shows how the required parts of this annual report are arranged and related to one another.

Figure A-1, Required Components of the City's Annual Financial Report



Government-Wide Statements

The government-wide statements report information about the City as a whole using accounting methods similar to those used by private-sector companies. The statement of net position includes all of the government's assets and liabilities. All of the current year's revenues and expenses are accounted for in the statement of activities regardless of when cash is received or paid.

The two government-wide statements report the City's net position and how they have changed. Net position—the difference between the City's assets and deferred inflows and liabilities and deferred outflows—is one way to measure the City's financial health or *position.*

- Over time, increases or decreases in the City's net position is an indicator of whether its financial health is improving or deteriorating, respectively.

- To assess the overall health of the City, one needs to consider additional nonfinancial factors such as changes in the City's tax base.

The government-wide financial statements of the City include the *Governmental activities.* Most of the City's basic services are included here, such as public safety, public works, parks and recreation and general administration. Property taxes, sales taxes, garbage fees, and grants finance most of these activities.

Fund Financial Statements

The fund financial statements provide more detailed information about the City's most significant *funds*—not the City as a whole. Funds are accounting devices that the City uses to keep track of specific sources of funding and spending for particular purposes.

- Some funds are required by State law and by bond covenants.

- The City Council establishes other funds to control and manage money for particular purposes or to show that it is properly using certain taxes and grants.

The City has the following kinds of funds:

- *Governmental funds*—Most of the City's basic services are included in governmental funds, which focus on (1) how *cash and other financial assets* that can readily be converted to cash flow in and out and (2) the balances left at year-end that are available for spending. Consequently, the governmental fund statements provide a detailed *short-term* view that helps you determine whether there are more or fewer financial resources that can be spent in the near future to finance the City's programs. Because this information does not encompass the additional long-term focus of the government-wide statements, we provide additional information at the bottom of the governmental funds statement, or on the subsequent page, that explain the relationship (or differences) between them.

- *Proprietary fund* – The System Fund that accounts for revenues and expenses related to services for electricity and water and sewer.

FINANCIAL ANALYSIS OF THE DISTRICT AS A WHOLE

Net position. The City's combined net position was $8,711,774 at June 30, 2018. (See Table A-1).

Table A-1
City of San Augustine, Texas' Net Position
In thousands of dollars

	June 30, 2018			June 30, 2017		
	Governmental Activities	Business-type Activities	Total Primary Government	Governmental Activities	Business-type Activities	Total Primary Government
Current assets:						
Cash	$ 191	$ 260	$ 451	$ 270	$ 463	$ 733
Property taxes receivable	222	-	222	202	-	202
Accounts receivable	41	939	980	41	464	505
Internal balances	36	(36)	-	35	(35)	-
Prepaid expense	-	-	-	9	6	15
Total current assets:	490	1,163	1,653	557	898	1,455
Noncurrent assets:						
Capital assets	5,187	12,596	17,783	5,142	11,592	16,734
Less accumulated depreciation	(3,589)	(7,889)	(11,478)	(3,482)	(7,652)	(11,134)
Total Capital assets	1,598	4,707	6,305			
Net pension asset	34	24	58			
Total noncurrent assets	1,632	4,731	6,363	1,660	3,940	5,600
Total Assets	2,122	5,894	8,016	2,217	4,838	7,055
Deferred Outflow of Resources	126	91	217	175	138	313
Current liabilities:						
Accounts payable	13	59	72	73	42	115
Refundable deposits	-	217	217	-	215	215
Current portion of long-term debt	120	-	120	115	-	115
Total current liabilities	133	276	409	188	257	445
Long-term liabilities:						
Long-term debt	1,485	113	1,598	1,892	343	2,235
Total Liabilities	1,618	389	2,007	2,080	600	2,680
Deferred Inflow of Resources	297	215	512	52	41	93
Net Position:						
Invested in capital assets	183	4,707	4,890	125	3,940	4,065
Restricted for debt service	101	-	101	59	-	59
Restricted for capital projects	16	-	16	43	-	43
Unrestricted	31	674	705	33	395	428
Total Net Position	**$ 331**	**$ 5,381**	**$ 5,712**	**$ 260**	**$ 4,335**	**$ 4,595**

The City has $704,508 in unrestricted net position available to fund the programs of the City next year.

Changes in net assets. The City's total revenues were $6,521,188. A significant portion, 68% of the City's revenue comes from charges for services. (See Figure A-3.) 14% comes from taxes, 15% comes from grants and 3% comes from other revenues. The total cost of all programs and services was $5,327,708; 68% of these costs are for water and sewer and electrical services.

Government Wide Activities

- Property tax rate decreased to $0.641454 from $0.653401 per $100 valuation.

Figure A-3 City
Sources of Revenue for Fiscal Year 2018

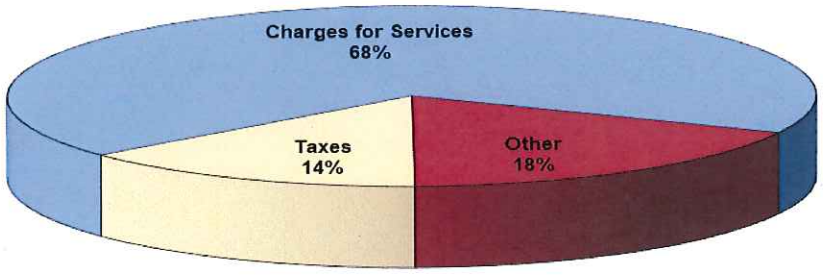


Table A-2
Changes in City of San Augustine, Texas' Net Assets
(In Thousands Dollars)

	June 30, 2018			June 30, 2017		
	Governmental Activities	Business-type Activities	Total Primary Government	Governmental Activities	Business-type Activities	Total Primary Government
Program Revenues:						
Charges for Services	$ 206	$ 4,214	$ 4,420	$ 202	$ 4,361	$ 4,563
Capital Grants and Contributions	30	970	1,000	221	139	360
General Revenues:						
Property Taxes	399	-	399	383	-	383
Sales and Other Taxes	507	-	507	468	-	468
Other	147	48	195	101	50	151
Totals	1,289	5,232	6,521	1,395	4,550	5,925
Transfers	555	(555)	-	671	(671)	-
Total Revenues	1,844	4,677	6,521	2,046	3,879	5,925
Business-Type Activities Expenses:						
Water and Sewer	-	1,353	1,353	-	1,228	1,228
Electric	-	2,245	2,245	-	2,370	2,370
Governmental-Type Activities Expenses:						
General Government	395	-	395	542	-	542
Public Safety	733	-	733	771	-	771
Public Works	339	-	339	320	-	320
Parks, Recreation and Culture	251	-	251	288	-	288
Interest and Fiscal Agent Fees	12	-	12	14	-	14
Total Expenses	1,730	3,598	5,328	1,935	3,598	5,533
Increase (Decrease) in Net Position	$ 114	$ 1,079	$ 1,193	$ 111	$ 281	$ 392

Table A-3 presents the cost of each of the City's largest activities as well as each activities' net cost (total cost less fees generated by the activities and intergovernmental aid). The net cost reflects what was funded through charges for services as well as tax dollars.

- The cost of all *governmental* activities this year was $1.7 million.
- However, the amount that our taxpayers paid for these activities through property taxes was only $399 thousand.
- Some of the governmental activities which were paid by those who directly benefited from the programs was $206 thousand.
- Grants and contributions amounted to $1 million.

Table A-3
Net Cost of Selected City Activities
(in thousands of dollars)

	Total Cost of Services			Net Cost of Services		
	2018	2017	% Change	2018	2017	% Change
General government	$395	$542	(37)%	$395	$385	3%
Public safety	733	771	(5)%	719	705	3%
Public works	339	320	9%	121	124	2%
Parks, recreation and culture	251	288	(13)%	247	283	(13)%

FINANCIAL ANALYSIS OF THE CITY'S FUNDS

Revenues from governmental fund types decreased $101,099 due primarily to a decrease in proceeds from grants as compared with the prior year. Revenues from business-type activities revenues increased by $683,113, due primarily to proceeds from grants.

For 2018, actual revenues in excess of expenditures before transfers were above the original budgeted amounts by $42,551.

General Fund Budgetary Highlights

There were no changes from the originally adopted budget and the final budget.

CAPITAL ASSETS AND DEBT ADMINISTRATION

Capital Assets

At the end of 2017, the City had invested $17,783,497 in a broad range of capital assets, including land, equipment, buildings, and vehicles. (See Table A-4.)

Table A-4
City's Capital Assets
(In thousands of dollars)

	2018	2017	Total Percentage Change 2018-2017
Land	$466	$466	-
Buildings and improvements	13,190	12,944	2%
Vehicles and equipment	3,255	3,185	2%
Construction in progress	872	139	527%
Totals at historical cost	17,783	16,503	8%
Total accumulated depreciation	11,478	10,789	6%
Net capital assets	$6,305	$5,714	10%

Long Term Debt

At year-end the City had $1,661 thousand in certificates of obligation, compensated absences payable, pension and OPEB liabilities and notes outstanding as shown in Table A-5.

Table A-5
City's Long-Term Debt
(In thousands of dollars)

	2018	2017	Total Percentage Change 2018-2017
Compensated Absences	$ 214	$ 211	1%
Certificates of Obligation	1,310	1,375	(5)%
Bonds	105	155	(32)%
Notes Payable	-	-	-
Net Pension and OPEB Liability	31	609	(95)%
Total Long-Term Debt	$1,660	$2,350	(29)%

ECONOMIC FACTORS AND NEXT YEAR'S BUDGETS AND RATES

The budget year 2018 saw a shortfall of approximately $200,000 because funding from grants expected did not materialize as anticipated. In fact, both the budget in question for this audit and the next one for the year ending June 2019 will both be clouded by a time delay gap in federal funding. Namely the lack of a timely 50% match from the Economic Development Agency on the project at the water plant for the addition of two new 300,000-gallon ground storage tanks and subsequent removal of the old 500,000-gallon tank. City Management had gone into the project expecting reimbursement from the federal government for 100% of the project. However, the funding for the first 50% of the project was on a current grant, but because the second 50% was dependent on a much older grant that was redirected, and because the forensic accounting for redirecting the money was not clear, there were major delays in getting the funds reimbursed. There was great question if the City would even be successful in getting those funds, although ultimately it was accomplished. Unfortunately, the bulk of the reimbursement arrived in the next sequential budget year, thus in 2018 there was more than expected out of pocket while in 2019 there will be a surplus being paid back into the City after being funded on the old grant. For clarity, the old grant referred to was originally obtained for infrastructure to provide City services for the Pinto Pony Cookie Factory, an enterprise that failed to launch. As of the drafting of this commentary the last $96K is still tied up at the federal level due to a government shutdown, but we do expect those funds to eventually be reimbursed, and the new tanks will have been paid in full.

One helpful factor was brought about some time before 2018 by the City's successful renegotiation of power rates with the City's electric power provider. This allowed the City to experience approximately $190,000 in savings which helped to offset the afore mentioned funding shortage. Conversely, the winter months of 2018 were costly in terms of water distribution failures due to an extremely cold period of freezing temperatures, but all in all the outcome was favorable in 2018

Outside of savings on electricity and grant issues, other economic factors in the City were flat.

CONTACTING THE CITY'S FINANCIAL MANAGEMENT

This financial report is designed to provide our citizens, taxpayers, customers, and investors and creditors with a general overview of the City's finances and to demonstrate the City's accountability for the money it receives. If you have questions about this report or need additional financial information, contact the City's Administrative Office.

BASIC FINANCIAL STATEMENTS

CITY OF SAN AUGUSTINE, TEXAS
STATEMENT OF NET POSITION
JUNE 30, 2018

	Governmental Activities	Business-type Activities	Total
ASSETS			
Cash	$ 190,865	$ 259,649	$ 450,514
Receivables (Net of Allowance for Uncollectible, Where Applicable):			
Property Taxes	221,683	-	221,683
Accounts	41,208	546,345	587,553
Grant Receivables		393,138	393,138
Internal Balances	36,058	(36,058)	-
Capital Assets:			
Land	453,753	12,522	466,275
Buildings and Improvements	1,017,782	-	1,017,782
Furniture & Equipment	126,542	255,705	382,247
Distribution System	-	493,681	493,681
Wells and Tanks	-	487,723	487,723
Lake and Treatment Plant	-	476,202	476,202
Sewer and Treatment Plant		2,109,640	2,109,640
Construction in Progress	-	871,500	871,500
	2,087,891	5,870,047	7,957,938
Other Non-current Assets			
Net pension asset	33,657	24,373	58,030
Total Assets	2,121,548	5,894,420	8,015,968
DEFERRED OUTFLOWS OF RESOURCES			
Deferred Outflow Related to OPEB	3,848	3,023	6,871
Deferred Outflow Related to TMRS	121,771	88,179	209,950
Total Deferred Outflow of Resources	125,619	91,202	216,821
LIABILITIES			
Accounts Payable	$ 13,633	$ 58,882	$ 72,515
Refundable Deposits	-	216,909	216,909
Long-Term Liabilities:			
Portion Due in One Year:			
Bonds	50,000	-	50,000
Certificates of Obligation	70,000	-	70,000
Portion Due in More Than One Year:			
Compensated Absences	140,103	74,307	214,410
Bonds	55,000	-	55,000
Certificates of Obligation	1,240,000	-	1,240,000
Net OPEB Liability	50,046	39,321	89,367
Total Liabilities	1,618,782	389,419	2,008,201
DEFERRED INFLOWS OF RESOURCES			
Deferred Inflow Related to TMRS	297,432	215,382	512,814
Total Deferred Inflow of Resources	297,432	215,382	512,814
NET POSITION			
Net investment in capital assets	183,077	4,706,973	4,890,050
Restricted For:			
Capital Projects	16,009	-	16,009
Debt Service	101,207	-	101,207
Unrestricted	30,660	673,848	704,508
Total Net Position	$ 330,953	$ 5,380,821	$ 5,711,774

The accompanying notes are an integral part of this statement.

CITY OF SAN AUGUSTINE, TEXAS
STATEMENT OF ACTIVITIES
FOR THE YEAR ENDED JUNE 30, 2018

FUNCTIONS/PROGRAMS	EXPENSES	PROGRAM REVENUES: CHARGES FOR SERVICES	PROGRAM REVENUES: OPERATING GRANTS AND CONTRIBUTIONS	PROGRAM REVENUES: CAPITAL GRANTS AND CONTRIBUTIONS	NET (EXPENSES) REVENUES AND CHANGES IN NET ASSETS: GOVERNMENTAL ACTIVITIES	NET (EXPENSES) REVENUES AND CHANGES IN NET ASSETS: BUSINESS-TYPE ACTIVITIES	NET (EXPENSES) REVENUES AND CHANGES IN NET ASSETS: TOTAL
GOVERNMENT ACTIVITIES:							
General government	$ 394,979			$	$ (394,979)		$ (394,979)
Public safety	733,085			13,982	(719,103)		(719,103)
Public works	339,009	$ 202,376		16,000	(120,633)		(120,633)
Parks, recreation and culture	250,861	3,462			(247,399)		(247,399)
Interest and fiscal agent fees	11,902				(11,902)		(11,902)
TOTAL GOVERNMENTAL ACTIVITIES	1,729,836	205,838	$ -	29,982	(1,494,016)	$ -	(1,494,016)
BUSINESS-TYPE ACTIVITIES:							
Water and sewer	1,352,715	1,570,941		969,616		1,187,842	1,187,842
Electric	2,245,157	2,643,370				398,213	398,213
TOTAL BUSINESS-TYPE ACTIVITIES	3,597,872	4,214,311	-	969,616	-	1,586,055	1,586,055
TOTAL PRIMARY GOVERNMENT	$ 5,327,708	$ 4,420,149	$ -	$ 999,598	(1,494,016)	1,586,055	92,039
General Revenues:							
Property Taxes, Levied for General Purposes					399,041	-	399,041
Sales and Other Taxes					506,502	-	506,502
Miscellaneous					147,285	48,613	195,898
Transfers, net					555,412	(555,412)	-
Total General Revenues and Transfers					1,608,240	(506,799)	1,101,441
Change in Net Assets					114,224	1,079,256	1,193,480
Net Position - Beginning					259,620	4,335,265	4,594,885
Prior Period Adjustment - OPEB					(42,891)	(33,700)	(76,591)
Net Position - Beginning, as adjusted					216,729	4,301,565	4,518,294
Net Position - Ending					$ 330,953	$ 5,380,821	$ 5,711,774

The accompanying notes are an integral part of this statement.

CITY OF SAN AUGUSTINE, TEXAS
BALANCE SHEET
GOVERNMENTAL FUNDS
JUNE 30, 2018

	GENERAL FUND	DEBT SERVICE FUND	CAPITAL PROJECTS FUND	TOTAL
ASSETS				
Cash	$ 73,649	$ 101,207	$ 16,009	$ 190,865
Receivables (Net of Allowance for Uncollectiables, Where Applicable):				
Property Taxes	221,683	-	-	221,683
Accounts	41,208	-	-	41,208
Due from Other Funds	36,058	-	-	36,058
Total Assets	$ 372,598	$ 101,207	$ 16,009	$ 489,814
LIABILITIES AND FUND BALANCE				
Liabilites:				
Accounts Payable	$ 13,633	$ -	$ -	$ 13,633
Total Liabilities	13,633	-	-	13,633
Deferred Inflow of Resources				
Unavailable Revenue - Taxes	221,683	-	-	221,683
Fund Balance:				
Fund Balance:				
Nonspendable				
Debt Service	-	101,207	-	101,207
Capital Projects	-	-	16,009	16,009
Unassigned	137,282	-	-	137,282
Total Fund Balance	137,282	101,207	16,009	254,498
Total Liabilites and Fund Balance	$ 372,598	$ 101,207	$ 16,009	$ 489,814

The accompanying notes are an integral part of this statement.

CITY OF SAN AUGUSTINE, TEXAS
RECONCILIATION OF THE GOVERNMENTAL FUNDS BALANCE SHEET
TO THE STATEMENT OF NET POSITION
JUNE 30, 2018

Total fund balances - governmental funds balance sheet	$	254,498
Amounts reported for governmental activities in the statement of net position ("SNP") are different because:		
Capital assets used in governmental activities are not reported in the funds.		1,598,077
Certain pension and OPEB contributions and changes in pension plan net position are reported as deferred outflows of resources in the statement of net position, but are reported as expenditures in the governmental funds		125,619
Net pension and OPEB liability is not due and payable in the current period and is not reported in the funds		(16,389)
Pension and OPEB related deferrals		(297,432)
Property taxes receivable unavailable to pay for current period expenditures are deferred in the funds.		221,683
Payables for long-term debt are not reported in the funds.		(1,555,103)
Net position of governmental activities - statement of net position	$	330,953

The accompanying notes are an integral part on this statement.

CITY OF SAN AUGUSTINE, TEXAS
COMBINED STATEMENT OF REVENUES, EXPENDITURES,
AND CHANGES IN FUND BALANCE
GOVERNMENTAL FUNDS
FOR THE YEAR ENDED JUNE 30, 2018

	GENERAL FUND	DEBT SERVICE FUND	CAPITAL PROJECTS FUND	TOTAL GOVERNMENTAL FUNDS
REVENUES:				
Property Taxes	$ 379,454	$ -	$ -	$ 379,454
Garbage Colletion	202,376	-	-	202,376
Other Local Taxes and Permits	506,502	-	-	506,502
Fines and Parking	59,184	-	-	59,184
Interest Income	37	-	-	37
Miscellaneous	91,526	-	-	91,526
Donations and Grants	29,982	-	-	29,982
TOTAL REVENUES	1,269,061	-	-	1,269,061
EXPENDITURES:				
City Council	29,976	-	-	29,976
Administrative Department	231,885	-	-	231,885
Street Department	182,091	-	-	182,091
Sanitation Department	156,114	-	-	156,114
Fire Department	111,493	-	-	111,493
Police Department	550,511	-	-	550,511
Corporation Court	88,142	-	-	88,142
Municipal Buildings	11,244	-	-	11,244
Library Department	141,358	-	-	141,358
Multi-Purpose Center	6,072	-	-	6,072
Mission Delores	36,461	-	-	36,461
Main Street Program	51,298	-	-	51,298
Tourism Center	10,049	-	-	10,049
Miscellaneous	10,373	-	219	10,592
Capital Outlay	107,140	-	-	107,140
Debt Service:				
Principal Retirement	-	115,000	-	115,000
Interest and Fiscal Charges	-	11,902	-	11,902
TOTAL EXPENDITURES	1,724,207	126,902	219	1,851,328
Excess (Deficiency) of Revenues Over Expenditures	(455,146)	(126,902)	(219)	(582,267)
OTHER FINANCING SOURCES (USES):				
Payments in Lieu of Taxes	411,000	-	-	411,000
Transfers (Out)	-	-	(25,917)	(25,917)
Transfers In	1,696	168,633	-	170,329
TOTAL OTHER FINANCING SOURCES (USES)	412,696	168,633	(25,917)	555,412
Change in Fund Balance	(42,450)	41,731	(26,136)	(26,855)
Fund Balance at Beginning of Year	179,732	59,476	42,145	281,353
FUND BALANCE AT END OF YEAR	$ 137,282	$ 101,207	$ 16,009	$ 254,498

The accompanying notes are an integral part of this statement.

CITY OF SAN AUGUSTINE, TEXAS
RECONCILIATION OF THE STATEMENT OF REVENUES, EXPENDITURES,
AND CHANGES IN FUND BALANCES OF GOVERNMENTAL FUNDS
TO THE STATEMENT OF ACTIVITIES
FOR THE YEAR ENDED JUNE 30, 2018

Net changes in fund balance - total governmental funds	$	(26,855)
Amounts reported for governmental activities in the statement of activities ("SOA") are different because:		
The depreciation of capital assets used in governmental activities is not reported in the funds.		(107,261)
Purchases of capital assets is not reported as an expense in the SOA.		45,284
Contributions to the pension plan in the current fiscal year are not included in the SOA		73,094
Repayment of debt principal is an expenditure in the funds but is not an expense in in the SOA		115,000
Certain property tax revenues are deferred in the funds.		19,587
Increase in compensated absences long term liability		(4,625)
Change in net assets of governmental activities - statement of activities	$	114,224

The accompanying notes are an integral part of this statement.

CITY OF SAN AUGUSTINE, TEXAS
STATEMENT OF NET POSITION
PROPRIETARY FUND
JUNE 30, 2018

		BUSINESS-TYPE ACTIVITIES - SYSTEM FUND 2018
ASSETS:		
Current Assets:		
Cash	$	259,649
Accounts Receivable (Net of Allowance for Uncollectibles)		546,345
Grant Receivable		393,138
Capital Assets		
Land		12,522
Furniture and Equipment		1,717,404
Distribution System		4,037,798
Wells and Tanks		787,260
Lake and Treatment Plant		1,881,131
Sewer and Treatment Plant		3,288,573
Construction in Progress		871,500
Less Accumulated Depreciation		(7,889,215)
Total Assets		5,906,105
Non-current Assets		
Net pension asset		24,373
DEFERRED OUTFLOWS OF RESOURCES		
Deferred Outflow Related to OPEB		3,023
Deferred Outflow Related to TMRS		88,179
Total Deferred Outflow of Resources		91,202
LIABILITIES:		
Current Liabilities:		
Accounts Payable		58,882
Accrued Compensated Absences		74,307
Due to Other Funds		36,058
Refundable Deposits		216,909
Total Current Liabilities		386,156
Non-Current Liabilities:		
Long-Term Liabilities, Less Current Portion:		
Net OPEB Liability		39,321
Total Non-Current Liabilities		39,321
Total Liabilities		425,477
DEFERRED INFLOWS OF RESOURCES		
Deferred Inflow Related to TMRS		215,382
Total Deferred Inflow of Resources		215,382
NET POSITION:		
Net investment in capital assets		4,706,973
Unrestricted		673,848
Total Net Position	$	5,380,821

The accompanying notes are an integral part of this statement.

CITY OF SAN AUGUSTINE, TEXAS
STATEMENT OF REVENUES, EXPENSES AND CHANGES IN
FUND NET POSITION - PROPRIETARY FUND
FOR THE YEAR ENDED JUNE 30, 2018

	BUSINESS-TYPE ACTIVITIES - SYSTEM FUND 2018
OPERATING REVENUES:	
Charges for Services	$ 4,214,311
Miscellaneous	48,613
TOTAL OPERATING REVENUES	4,262,924
OPERATING EXPENSES:	
Administration	194,681
Water Treatment and Production	560,668
Water Distribution	212,304
Sewer Collection	131,975
Sewer Treatment	184,778
Electric Department	2,076,345
Depreciation	237,121
TOTAL OPERATING EXPENSES	3,597,872
Operating Income	665,052
OTHER FINANCING SOURCES (USES):	
Capital contributions	969,616
Transfers In Lieu of Taxes	(411,000)
Transfers (Out)	(144,412)
TOTAL OTHER FINANCING SOURCES (USES)	414,204
Change in Net Assets	1,079,256
Net Position at Beginning of Year	4,335,265
Prior period adjustment	(33,700)
Net position, beginning of year, as adjusted	4,301,565
NET POSITION AT END OF YEAR	$ 5,380,821

The accompanying notes are an integral part of this statement.

CITY OF SAN AUGUSTINE, TEXAS
STATEMENT OF CASH FLOWS
PROPRIETARY FUND
FOR THE YEAR ENDED JUNE 30, 2018

	BUSINESS-TYPE ACTIVITIES - SYSTEM FUND 2018
CASH FLOWS FROM OPERATING ACTIVITIES	
Receipts from customers and users	$ 4,132,483
Receipts from other items	48,613
Payments to suppliers	(2,906,494)
Payments for wages and benefits	(496,912)
Net Cash Provided by Operating Activities	777,690
CASH FLOWS FROM NONCAPITAL FINANCING ACTIVITIES	
Transfers in Lieu of Taxes	(411,000)
Operating transfers - in (out)	(143,460)
Net Cash Used From Noncapital Financing Activities	(554,460)
CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES	
Capital contributions	576,478
Purchase of capital assets	(1,003,734)
Net Cash Used From Capital and Related Financing Activities	(427,256)
Net Decrease in Cash	(204,026)
Cash at Beginning of the Year	463,675
Cash at End of the Year	$ 259,649
Adjustments to reconcile operating income to net cash provided by operating activities:	
Net operating income	$ 665,052
Depreciation expense	237,121
Bad debts	25,000
(Increase)/decrease in receivables	(106,828)
(Increase)/decrease in prepaid expenses	6,160
Increase/(decrease) in payables	16,433
Increase/(decrease) in customer deposits	1,787
Increase/(decrease) in pension liability	(66,175)
Increase/(decrease) in compensated absences	(860)
Net Cash Provided by Operating Activities	$ 777,690

The accompanying notes are an integral part of this statement.

NOTE A – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

The City of San Augustine, Texas (the City) was incorporated in 1917, under the provisions of the State of Texas. The City operates under a Council-Manager form of government and provides the following services: police, streets, utilities, sanitation, culture-recreation, public improvements, and general administration.

The financial statements of the City have been prepared in accordance with accounting principles generally accepted in the United States of America (GAAP) as applied to governmental units. The Governmental Accounting Standards Board (GASB) is the standard setting body for governmental accounting and financial reporting.

1. THE FINANCIAL REPORTING ENTITY

The City is a Texas Municipal Corporation with a six-member City Council, comprised of the Mayor and five Councilmen, all elected at large. The City, for financial purposes, includes all of the funds relevant to the operations of the City of San Augustine. The financial statements presented herein do not include agencies which have been formed under applicable state laws or separate and distinct units of government apart from the City of San Augustine.

The financial statements of the City do not include any separately administered organizations. No such organizations exist that are controlled by or are dependent on the City. Control or dependence is determined on the basis of budget adoption, taxing authority, funding and appointment of the respective governing board. There are no component units included within the reporting entity.

Because members of the City Council are elected by the public; have the authority to make decisions, appoint administrators and managers, and significantly influence operations, and have the primary accountability for fiscal matters; the City is not included in any other governmental "reporting entity" as defined by Governmental Accounting Standards Board ("GASB"), Statement No. 14, "The Financial Reporting Entity," as amended.

The City receives funding from local, state and federal government sources and must comply with requirements of these funding entities.

2. GOVERNMENT-WIDE AND FUND FINANCIAL STATEMENTS

The government-wide financial statements (i.e., the statement of net position and the statement of activities) report information on all non-fiduciary activities of the primary government. For the most part, the effect of the inter-fund activity has been removed from these statements. *Governmental activities,* which normally are supported by taxes and intergovernmental revenues, are reported separately from *business-type activities,* which rely to a significant extent on fees and charges for support.

The statement of activities demonstrates the degree to which the direct expenses for a given function or segment is offset by program revenues. *Direct expenses* are those that are clearly identifiable with a specific function or segment. *Program revenues* include 1) charges to customers or applicants who purchased, used or directly benefited from goods, services, or privileges provided by a given function or segment and 2) grants and contributions that are restricted to meeting the operational or capital requirements of a particular function or segment. Taxes and other items not properly included among program revenues are reported instead as *general revenues.*

Separate financial statements are provided for governmental funds and proprietary funds. Major individual government funds are reported as separate columns in the fund financial statements.

3. MEASUREMENT FOCUS, BASIS OF ACCOUNTING, AND FINANCIAL STATEMENT PRESENTATION

The government-wide financial statements are reported using the economic resources measurement focus and the accrual basis of accounting, as are the proprietary fund financial statements. Revenues are recorded when earned and expenses are recorded when a liability is incurred, regardless of the timing of the related cash flows. Property taxes are recognized as revenues in the year for which they are levied. Grants and similar items are recognized as revenues as soon as all eligibility requirements imposed by the provider have been met.

Governmental fund financial statements are reported using the current financial resources measurement focus and the modified accrual basis of accounting. Revenues are recognized as soon as they are both measurable and available. Revenues are considered to be available when they are collectible within the current period or soon enough thereafter to pay liabilities of the current period. For this purpose, the government considers revenues to be available if they are collected within 60 days of the end of the current fiscal period. Expenditures generally are recorded when a liability is incurred, as under accrual accounting. However, debt service expenditures, as well as expenditures related to compensated absences and claims and judgments, are recorded only when payment is due.

Property taxes, franchise taxes, licenses, and interest associated with the current fiscal period are all considered to be susceptible to accrual and so have been recognized as revenues of the current fiscal period. All other revenue items are considered to be measurable and available only when cash is received by the government.

The government reports the following major governmental funds:

The *general fund* is the government's primary operating fund. It accounts for all financial resources of the general government, except those required to be accounted for in another fund.

The *capital projects fund* is used to account for and report financial resources that are restricted, committed or assigned to expenditures for capital outlays, including the acquisition or construction of capital facilities and other capital assets.

The *debt service fund* accounts for and reports financial resources that are restricted, committed or assigned to expenditures for principal and interest. Debt service funds are also used to report resources if legally mandated and resources that are being accumulated for principal and interest maturing in future years.

The government reports the following major proprietary funds:

The *system fund* accounts for the activity that is financed and operated in a manner similar to private business enterprises where the intent of the governing body is that the costs (expenses, including depreciation) of providing goods or services to the general public on a continuing basis be financed or recovered primarily through user charges.

4. USE OF ESTIMATES

The preparation of financial statements in conformity with generally accepted principles requires management to make estimates and assumptions. This will affect the reported amounts of assets and liabilities, disclosure of contingent assets and liabilities at the date of the financial statements, and the reported amounts of revenues and expenses/expenditures during the reporting period. Actual results could differ from these estimates.

5. BUDGETS

Budgets are adopted on a basis consistent with generally accepted accounting principles. Annual appropriated budgets are adopted for the general and debt service funds. All annual appropriations lapse at fiscal year-end. Special Revenue Funds (grant funds) are budgeted on a project-period basis. The budget is properly amended by the City Council as needed throughout the year.

6. DEFERRED OUTFLOWS/INFLOWS OF RESOURCES

In addition to assets, the statement of financial position will sometimes report a separate section for deferred outflows of resources. This separate financial statement element, deferred outflows of resources, represents a consumption of net position that applies to a future period(s) and so will not be recognized as an outflow of resources (expense/expenditure) until then. The government has items that qualifies for reporting in this category. It is 1) the deferred charge on refunding results from the contributions made to the City's defined benefit pension plan between the measurement date of the net position liabilities from those plans and the end of the City's fiscal year 2) changes in actuarial assumptions related to the pension expense and 3) actual pension plan earnings in excess of the expected amounts included in determining pension expense. No deferred resources affect the governmental funds financial statements in the current year.

The City's statements of net position and its governmental fund balance sheet report a separate section for deferred inflows of resources. This separate financial statement element reflects an increase in net assets that applies to a future period(s). Deferred inflows of resources are reported in the City's statement of net position for differences between expected and actual economic experience attributed to the pension plan. These deferred inflows of resources are attributed to pension expense over a total of five years. In its governmental funds, the only deferred inflow of resources is for revenues that are not considered available. The City will not recognize the related revenues until they are available (collected not later than sixty days after the end of the City's fiscal year) under the modified accrual basis of accounting.

7. CASH

Cash includes cash on hand and amounts in demand and short-term time deposit accounts. Cash deposits are reported at carrying amount which reasonably estimates fair value.

8. SHORT-TERM INTERFUND RECEIVABLES/PAYABLES

During the course of operations, numerous transactions occur between individual funds for goods provided or services rendered. These receivables and payables are classified as "due from other funds" or "due to other funds" in the balance sheet. Short-term inter-fund loans are classified as "inter-fund receivables/payables."

9. INTERNAL BALANCES

Activity between funds that are representative of lending/borrowing arrangements outstanding at the end of the fiscal year are referred to as either "due to/from other funds" (i.e., the current portion of interfund loans) or "advances to/from other funds" (i.e., the non-current portion of interfund loans). All other outstanding balances between funds are reported as "due to/from other funds". Any residual balances outstanding between the governmental activities and business-type activities are reported in the government-wide financial statements as "internal balances".

Advances between funds, as reported in the fund financial statements, are offset by a fund balance reserve in applicable government funds to indicate that they are not available for appropriation and are not expendable available financial resources.

10. CAPITAL ASSETS

Capital assets are reported in the applicable governmental or business-type activities columns in the government-wide financial statements. All purchased capital assets are valued at cost where historical records are available and at an estimated historical cost where no historical records exist. Donated capital assets are valued at their estimated acquisition value on the date received.

The costs of normal maintenance and repairs that do not add to the value of the asset or materially extend asset lives are not capitalized. Improvements are capitalized and depreciated over the remaining useful lives of the related capital assets, as applicable.

Infrastructure assets consisting of roads, bridges, curbs and gutters, streets and sidewalks, drainage systems and lighting systems are capitalized along with other capital assets.

Interest is not capitalized on capital assets in the business-type fund, since the amount of such capitalized interest in not material to the government-wide financial statements.

11. COMPENSATED ABSENCES

Employees are paid by a prescribed formula for absences due to vacation or sickness. Vacation pay does not accrue past the anniversary date of the employee. Ten days each of sick and vacation days may be earned each year up to a maximum of 120 days of sick leave and sixty days of vacation time.

12. LONG-TERM OBLIGATIONS

In the government-wide financial statements and proprietary fund types in the fund financial statements, long-term debt and other long-term obligations are reported as liabilities in the applicable governmental activities, business-type activities, or proprietary fund type statement of net assets. Bond premiums and discounts are deferred and amortized over the life of the bonds using the effective interest method. Bonds payable are reported net of the applicable bond premium or discount. Bond issuance costs are expensed.

In the fund financial statements, governmental fund types recognize bond premiums and discounts, as well as bond issuance costs, during the current period. The face amount of the debt issued is reported as other financing sources. Premiums received on debt issuances are reported as other financing sources while discounts on debt issuance are reported as other financing uses. Issuance costs, whether or not withheld from the actual debt proceeds received, are reported as debt service expenditures.

13. GOVERNMENATL FUND BALANCES

In the governmental fund financial statements, fund balances are classified as follows:

- Nonspendable – Amounts that cannot be spent either because they are in a nonspendable form or because they are legally or contractually required to be maintained intact.
- Restricted – Amounts that can be spent only for specific purposes because of the City Charter, the City Code, state or federal laws, or externally imposed conditions by grantors or creditors.
- Committed – Amounts that can be used only for specific purposes determined by a formal action by City Council ordinance.
- Assigned – Amounts the City intends to use for a specific purpose; intent can be expressed by the governing body or by an official or body to which the governing body delegates the authority.

14. GOVERNMENT-WIDE AND PROPRIETARY FUND NET POSITION

Net position represents the difference between assets and liabilities in the statement of net position. Government-wide net position is divided into three components:

Invested in capital assets, net of related debt – consists of the historical cost of capital assets less accumulated depreciation and less any debt that remains outstanding that was used to finance those assets plus deferred outflows of resources less deferred inflows of resources related to those assets.

Restricted net position – consists of assets that are restricted by the City's creditors, enabling legislation, by grantors, and by other contributors.

Unrestricted net position – all other net position is reported in this category.

The City uses restricted amounts first when both restricted and unrestricted fund balances are available. Additionally, the City would first use committed, then assigned, and lastly unassigned amounts of unrestricted fund balance when expenditures are made.

15. INTERFUND TRANSACTIONS

Transactions that constitute reimbursements to a fund for expenditures/expenses initially made from it that are properly applicable to another fund, are recorded as expenditures/expenses in the reimbursing fund and as reductions of expenditures/expenses in the fund that is reimbursed.

All other inter-fund transactions except reimbursements are reported as transfers. Nonrecurring or non-routine permanent transfers of equity are reported as residual equity transfers. All other inter-fund transfers are reported as transfers.

16. PROPRIETARY FUNDS OPERATING AND NONOPERATING REVENUES AND EXPENSES

Proprietary funds distinguish operating revenues and expenses from nonoperating items. Operating revenues and expenses generally result from providing services and producing and delivering goods in connection with the proprietary fund's principal ongoing operations. The principal operating revenues of the System Fund are charges to customers for sales or services. The System Fund also recognizes as operating revenue the portion of tap fees intended to recover the cost of connecting new customers to the system. Operating expenses for enterprise funds include the cost of sales and services, administrative expenses, and depreciation on capital assets. All revenues and expenses not meeting this definition are reported as nonoperating revenues and expenses.

17. FUND BALANCE POLICY

The City reports fund balance amounts for which provisions of laws, contracts, and grants specify how fund resources can be used in the restricted classification.

When the City incurs expenditures that can be made from either restricted or unrestricted balances, the expenditures should be charged to restricted balances.

18. PENSIONS

For purposes of measuring the net pension liability, deferred outflows of resources and deferred inflows of resources related to pensions, and pension expense, information about the Fiduciary Net Position of Texas Municipal Retirement System (TMRS) and additions to/deductions from TMRS's Fiduciary Net Position have been determined on the same basis as they are reported to TMRS. For this purpose, plan contributions are recognized in the period that compensation is reported for the employee, which is when contributions are legally due. Benefit payments and refunds are recognized when due and payable in accordance with the benefit terms. Investments are reported at fair value.

19. OTHER POST-EMPLOYMENT BENEFITS

The Texas Municipal Retirement System (TMRS) Supplemental Death Benefit Fund (SDBF) reports the resources available to pay supplemental death claims for covered participants. Member cities may elect, by ordinance, to provide a Supplemental Death Benefit for their active members, including or not including retirees. The SDBF is a separate trust administered by the TMRS Board of Trustees. The TMRS Act required the Pension Trust Fund to allocate a 5% interest credit to the SDBF each December 31 based on the meal balance in the SDBF during the year. Death benefit payments are payable only from this fund and are not an obligation of, or a claim against, the other funds of TMRS.

20. IMPLEMENTATION OF NEW STANDARDS

In the current fiscal year, the City implemented the following new standard. The applicable provisions the new standard are summarized below. Implementation is reflected in the financial statements and the notes to the financial statements.

GASB Statement No. 75, *Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions.* This statement replaces the requirements of Statement 45 and required governments to report a liability on the face of the financial statements for the OPEB that they provide. Statement 75 requires governments in all types of OPEB plans to present more extensive note disclosures and required supplementary information (RSI) about their OPEB liabilities. Among the new note disclosures is a description of the effect on the reported OPEB liability of using a discount rate that is one percentage point higher and one percentage point lower than assumed by the government. The new RSI includes a schedule showing the causes of increases in the OPEB liability and a schedule comparing a government's actual OPEB contributions to its contribution requirements.

NOTE C – CASH AND INVESTMENTS

The City's depository bank deposits for safekeeping and trust with the City's agent bank approved pledged securities in an amount sufficient to protect City funds on a day-to-day basis during the period of the contract. The pledge of approved securities is waived only to the extent of the depository bank's dollar amount of Federal Deposit Insurance Corporation ("FDIC") insurance.

The City's cash deposits at June 30, 2018 and during the year were entirely covered by FDIC insurance or by pledged collateral held by the City's agent banks in the City's name. The City's depository bank is Compass Bank (Texas State Bank).
The City does not pool cash. Instead, the City maintains separate cash accounts, in the form of checking and/or savings accounts, for each fund.

The Public Funds Investment Act (the "Act") (Government Code Chapter 2256) contains specific provisions in the areas of investment practices, management reports and establishment of appropriate polices. Among other things, it requires the City to adopt, implement, and publicize an investment policy. That policy must address the following areas; (1) safety of principal and liquidity, (2) portfolio diversification, (3) allowable investments, (4) acceptable risk levels, (5) expected rates of return, (6) maximum allowable stated maturity of portfolio investments, (7) maximum average dollar-weighted maturity allowed based on the stated maturity date for the portfolio, (8) investment staff quality and capabilities, and (9) bid solicitation preferences for certificates of deposit.

State statues and the City's Investment Policy authorize the City invest in 1) obligations of the U.S. or its agencies and instrumentalities; 2) obligations of the State of Texas or its agencies; 3) guaranteed or secured certificates of deposit issued by state or national banks domiciled in Texas; 4) money market savings accounts; and 5) public investment pools. Temporary investments are reported at cost which approximates market and are secured, when necessary, by the Federal Deposit Insurance Corporation (FDIC). The City is in substantial compliance with the requirements of the Act and with local policies.

The City's investments at June 30, 2018 are as shown below:

	Maturity	Fair Value
Certificates of Deposit	180 days	$ 6,703
		$ 6,703

Analysis of Specific Deposit and Investment Risk

GASB Statement No. 40 requires a determination as to whether the City was exposed to the following Specific Investment risks at year end and if so, the reporting of certain related disclosures:

a. Credit Risk

Credit risk is the risk that an issuer or other counterparty to an investment will not fulfill its obligations. The ratings of securities by nationally recognized rating agencies are designed to give an indication of credit risk. At year end, the City was not significantly exposed to credit risk.

b. Custodial Credit Risk

Deposits are exposed to custodial credit risk if the securities are uninsured, are not registered in the name of the government, and are held by either the counterparty or the counterparty's trust department or agent but not the City's name.

At year end, the City was not exposed to custodial credit risk.

c. Concentration of Credit Risk

This risk is the risk of loss attributed to the magnitude of a government's investment in a single issuer. At year end, the City was not exposed to concentration of credit risk.

d. Interest Rate Risk

This is the risk that interest rates will adversely affect the fair value of an investment. At year end, the City was not exposed to interest rate risk.

e. Foreign Currency Risk

This is the risk that exchange rates will adversely affect the fair value of an investment. At year end, the City was not exposed to foreign currency risk.

Investment Accounting Policy

The City's general policy is to report money market investments and short-term participating interest-earning investment contracts at amortized cost and to report nonparticipating interest-earning investment contracts using a cost-based measure. However, if the fair value of an investment is significantly affected by the impairment of the credit standing of the issuer or by other factors, it is reported at fair value. All other investments are reported at fair value unless a legal contract exists which guarantees a higher value. The term "short-term" refers to investments which have a remaining term of one year or less at time of purchase. The term "nonparticipating" means that the investment's value does not vary with market interest rate changes. Nonnegotiable certificates of deposit are examples of nonparticipating interest-earning investment contracts.

NOTE D – PROPERTY TAXES

Taxes are levied on October 1 and are due and payable at this time. All unpaid taxes levied October 1, become delinquent February 1, of the following year. A lien on all taxable real property is effective on January 1, of the tax year. Property tax revenues are recognized when they become available. Available includes those property tax receivables expected to be collected within sixty days after year end.

San Augustine County property is assessed by the San Augustine County Tax Assessor. The property taxes due to the City were collected by the San Augustine Tax Collector.

Based on collection histories, the City has provided an allowance for uncollectible real property taxes equivalent to 10% of the delinquent tax receivable balance.

NOTE E – CHANGES IN GOVERNMENTAL ACTIVITIES CAPITAL ASSETS

	Balance July 1, 2017	Additions	Retirement	Balance June 30, 2018
Capital assets not being depreciated:				
Land	$ 453,753	$ -	$ -	$ 453,753
Capital assets being depreciated:				
Buildings and Improvements	3,195,659	-	-	3,195,659
Machinery and Equipment	1,492,690	45,284	-	1,537,974
	4,688,349	45,284	-	4,733,633
Less accumulated depreciation:				
Buildings and Improvements	2,106,542	71,335	-	2,177,877
Machinery and Equipment	1,375,506	35,926	-	1,411,432
	3,482,048	107,261	-	3,589,309
Total capital assets being depreciated, net	1,206,301	(61,977)	-	1,144,324
Governmental Activities Capital Assets, Net	$ 1,660,054	$(61,977)	$ -	$ 1,598,077

Depreciation was charged to departments as follows:

City Council	$ 3,691
Administrative Department	1,911
Street Department	4,572
Sanitation Department	2,085
Fire Department	13,670
Police Department	18,353
Library Department	12,394
Multi-Purpose Center	23,668
Parks and Recreation	26,917
Total	$ 107,261

NOTE F – CHANGES IN PROPRIETARY CAPITAL ASSETS

The following is a summary of the property, plant and equipment of the Proprietary (System) Fund at June 30, 2018:

	Balance July 1, 2017	Additions	Retirement	Balance June 30, 2018
Capital Assets Being Depreciated:				
Plant and Equipment	$ 1,717,404	$ -	$ -	$ 1,717,404
Distribution System	4,037,798		- -	4,037,798
Well & Tanks	787,260	-		787,260
Lake & Treatment Plant	1,610,006	271,125	-	1,881,131
Sewage Treatment Plant	3,288,573	-	-	3,288,573
	11,441,041	271,125	-	11,712,166
Accumulated Depreciation:				
Plant and Equipment	$ 1,366,797	$ 94,903	$ -	$ 1,461,700
Distribution System	3,503,258	40,857	-	3,544,115
Well & Tanks	285,385	14,152		299,537
Lake & Treatment Plant	1,393,068	11,862	-	1,404,930
Sewage Treatment Plant	1,103,586	75,347	-	1,178,933
	7,652,094	237,121	-	7,889,215
Total Capital Assets Being Depreciated, net	3,788,947	34,005	-	3,822,951
Construction in Progress	138,891	835,000	102,391	871,500
Land	12,522		-	12,522
Total Capital Assets	$ 3,940,360	$ 869,005	$ 102,391	$ 4,706,973

NOTE G – DEFINED BENEFIT PENSION PLANS

1. Plan Description

The City of San Augustine participates as one of 883 plans in the nontraditional, joint contributory, hybrid defined benefit pension plan administered by the Texas Municipal Retirement System (TMRS). TMRS is an agency created by the State of Texas and administered in accordance with the TMRS Act, Subtitle G, Title 8, Texas Government Code (the TMRS Act) as an agent multiple-employer retirement system for municipal employees in the State of Texas. The TMRS Act places the general administration and management of the System with a six-member Board of Trustees. Although the Governor, with the advice and consent of the Senate, appoints the Board, TMRS is not fiscally dependent on the State of Texas. TMRS's defined benefit pension plan is a tax-qualified plan under Section 401(a) of the Internal Revenue Code. TMRS issues a publicly available comprehensive annual financial report (CAFR) that can be obtained at *www.tmrs.com*.

All eligible employees of the City are required to participate in TMRS.

2. Benefits Provided

TMRS provides retirement, disability, and death benefits. Benefit provisions are adopted by the governing body of the City, within the options available in the state statutes governing TMRS.

At retirement, the benefit is calculated as if the sum of the employee's contributions, with interest, and the city-financed monetary credits with interest were used to purchase an annuity. Members may choose to receive their retirement benefit in one of seven payments options. Members may also choose to receive a portion of their benefit as a Partial Lump Sum Distribution in an amount equal to 12, 24 or 36 monthly payments, which cannot exceed 75% of the member's deposits and interest.

The plan provisions are adopted by the governing body of the City, within the options available in the state statutes governing TMRS. Plan provisions for the City were as follows:

	Plan Year 2017	Plan Year 2018
Employee deposit rate	7.0%	7.0%
Matching ratio (city to employee)	2 to 1	2 to 1
Years required for vesting	10	10
Service retirement eligibility (expressed as age/years of service)	60/10,0/25	60/10,0/25
Updated service credit	100% Repeating, Transfers	100% Repeating, Transfers
Annuity increase (to retirees)	70% of CPI Repeating	70% of CPI Repeating

Employees covered by benefit terms.

At the December 31, 2017 valuation and measurement date, the following employees were covered by the benefit terms:

Inactive employees or beneficiaries currently receiving benefits	20
Inactive employees entitled to but not yet receiving benefits	20
Active employees	29
Total	69

3. Contributions

The contribution rates for employees in TMRS are either 5%, 6%, or 7% of employee gross earnings, and the City matching percentages are either 100%, 150%, or 200%, both as adopted by the governing body of the City. Under the state law governing TMRS, the contribution rate for each city is determined annually by the actuary, using the Entry Age Normal (EAN) actuarial cost method. The actuarially determined rate is the estimated amount necessary to finance the cost of benefits earned by employees during the year, with an additional amount to finance any unfunded accrued liability.

Employees for the City were required to contribute 7% of their annual gross earnings during the fiscal year ending June 30, 2018. Contribution rates for the City were 11.02% and 11.32% in the calendar years 2017 and 2018. The City's contributions to TMRS for the year ended June 30, 2018, were $125,698, and were equal to the required contributions.

4. Net Pension Liability

City's Net Pension Liability (NPL) was measured as of December 31, 2017 and the Total Pension Liability (TPL) used to calculate the Net Pension Liability was determined by an actuarial valuation as of that date.

Actuarial assumptions:

The Total Pension Liability in the December 31, 2017 actuarial valuation was determined using the following actuarial assumptions:

Inflation	2.5% per year
Overall payroll growth	3.0% per year
Investment rate of return	6.75%, net of pension plan investment expense, including inflation

Salary increases were based on a service-related table. Mortality rates for active members, retirees, and beneficiaries were based on the gender-distinct RP2000 Combined Healthy Mortality Table with Blue Collar Adjustment, with male rates multiplied by 109% and female rates multiplied by 103%. These rates are projected on a fully generational basis by scale BB to account for future mortality improvements. For disabled annuitants, there is also a 3 year set-forward for both males and females. In addition, a 3% minimum mortality rate will be applied to reflect the impairment for younger members who become disabled. The rates are projected on a fully generational basis by scale BB to account for future mortality improvements subject to the 3% floor.

Actuarial assumptions were developed primarily from the actuarial investigation of the experience of TMRS over the four year period December 31, 2010 through December 31, 2014. They were adopted in 2015 and first used in the December 2015 actuarial valuation. The post-retirement mortality assumptions for healthy annuitants and Annuity Purchase Rate (APRs) are based on the Mortality Experience Investigation Study covering 2009 through 2011, and dated December 31, 2013. In conjunction with these changes first used in the December 31, 2013 valuation, the System adopted the Entry Age Normal (EAN) actuarial cost method and a one-time change to the amortization policy. Plan assets are managed on a total return basis with an emphasis on both capital appreciation as well as the production of income, in order to satisfy the short-term and long-term funding needs of TMRS.

The long-term expected rate of return on pension plan investments was determined using a building-block method in which best estimate ranges of expected future real rates of return (expected returns, net of pension plan investment expense and inflation) are developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation. In determining their best estimate of a recommended investment return assumption under the various alternative asset allocation portfolios, GRS focused on the area between (1) arithmetic mean (aggressive) without an adjustment for time (conservative) and (2) the geometric mean (conservative) with an adjustment for time (aggressive). The target allocation and best estimates of arithmetic real rates of return for each major asset class in fiscal year 2017 are summarized in the following table:

Asset Class	Target Allocation	Long-Term Expected Real Rate of Return (Arithmetic)
Domestic Equity	17.5%	4.55%
International Equity	17.5%	6.35%
Core-Fixed Income	10.0%	1.00%
Non-Core Fixed Income	20.0%	3.90%
Real Return	10.0%	3.80%
Real Estate	10.0%	4.50%
Absolute Return	10.0%	3.75%
Private Equity	5.0%	7.50%
Total	100%	

Discount Rate

The discount rate used to measure the Total Pension Liability was 6.75%. The projection of cash flows used to determine the discount rate assumed that employee and employer contributions will be made at the rates specified in statute. Based on that assumption, the pension plan's Fiduciary Net Position was projected to be available to make all projected future benefit payments of current active and inactive employees. Therefore, the long-term expected rate of return on pension plan investments was applied to all periods of projected benefit payments to determine the Total Pension Liability.

Changes in the Net Pension Liability

	Increase (Decrease)		
	Total Pension Liability (a)	Plan Fiduciary Net Position (b)	Net Pension Liability (a)-(b)
Balance at 12/31/2016	$5,057,091	$4,447,763	$609,328
Changes for the year:			
Service cost	170,297		170,297
Interest	340,031		340,031
Change in benefit terms	-		-
Difference between expected and actual experience	(359,111)		(359,111)
Changes of assumptions			-
Contributions – employer		125,698	(125,698)
Contributions – employee		79,845	(79,845)
Net investment income		616,389	(616,389)
Benefit Payments, including refunds of Employee contributions	(209,491)	(209,491)	-
Administrative expenses		(3,195)	3,195
Other Changes		(162)	162
Net changes	(58,274)	609,084	(667,358)
Balance at 12/31/2017	$4,998,817	$5,056,847	$ (58,030)

Sensitivity of the net pension liability to changes in the discount rate

The following presents the net pension liability of the City, calculated using the discount rate of 6.75, as well as what the City's net pension liability would be if it were calculated using a discount rate that is 1-percentage-point lower (5.75) or 1-percentage-point higher (7.75%) than the current rate:

	1.% Decrease in Discount Rate (5.75%)	Discount Rate 6.75%	1% Increase in Discount Rate (7.75%)
City's net pension liability	$655,186	$(58,030)	$(639,978)

Pension Plan Fiduciary Net Position

Detailed information about the pension plan's Fiduciary Net Position is available in a separately-issued TMRS financial report. That report may be obtained on the Internet at *www.tmrs.com*.

5. Pension Expense (Income) and Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pensions

For the year ended June 30, 2018, the City recognized pension income of $(22,293).

At June 30, 2018, the City reported deferred outflows of resources and deferred inflows of resources related to pensions from the following sources:

	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences between expected and actual economic experience	$ 20,743	$ 259,882
Changes in actuarial assumptions	4,268	-
Difference between projected and actual investment earnings	123,590	252,932
Contributions subsequent to the measurement date	61,349	
Total	$209,950	$512,814

$61,349 reported as deferred outflows of resources related to pensions resulting from contributions subsequent to the measurement date will be recognized as a reduction of the net pension liability for the year ending June 30, 2019. Other amounts reported as deferred outflows and inflows of resources related to pensions will be recognized in pension expense as follows:

	Net Deferred Outflows (Inflows) Of Resources
2018	$(85,806)
2019	(110,555)
2020	(104,619)
2021	(63,233)
Total	$(364,213)

NOTE G – DEFINED OTHER POST-EMPLOYEMENT BENEFIT PLAN

1. Plan Description

The City of San Augustine participates in a single employer group term life insurance plan known as the Supplemental Death Benefits Fund (SDBF). The fund provides group-term coverage to current and retired employees with no segregation of assets, and therefore doesn't meet the definition of a trust under GASB Statement No. 75 (i.e., no assets are accumulated for OPEB) and as such the SDBF is not considered a cost sharing plan and is instead considered a single employer, defined benefit OPEB plan.

2. Benefits Provided

The death benefit for active employees provides a lump-sum payment approximately equal to the employee's annual salary (calculated based on the employee's actual earnings, for the 12-month period preceding the month of death). Retired employees are insured for $7,500.

Membership

Inactive employees currently receiving benefit	11
Inactive employees entitled to but not yet receiving benefits	5
Active employees	29
Total	45

3. Contributions – Contributions rates are as follows:

	Employer	Retiree
2017	.26%	.07%
2018	.26%	.08%

The City's contributions to the SDBF for the year ended June 30, 2018 was $2,867.

4. Net Pension Liability

City's Net Pension Liability (NPL) was measured as of December 31, 2017 and the Total Pension Liability (TPL) used to calculate the Net Pension Liability was determined by an actuarial valuation as of that date.

Actuarial assumptions:

The Total Pension Liability in the December 31, 2017 actuarial valuation was determined using the following actuarial assumptions:

Inflation	2.5% per year
Salary increases	3.5% to 10.5%, including inflation
Discount rate	3.31%,
Retirees' share of benefit-related costs	$0

All administrative expenses are paid through the Pension Trust and accounted for under reporting requirements under GASB 68.

Mortality rates for active members, retirees, and beneficiaries were based on the gender-distinct RP2000 Combined Healthy Mortality Tables with Blue Collar Adjustment, with male rates multiplied by 109% and female rates multiplied by 103%. These rates are projected on a fully generational basis by scale BB to account for future mortality improvements. For disabled annuitants, there is also a 3 year set-forward for both males and females. In addition, a 3% minimum mortality rate will be applied to reflect the impairment for younger members who become disabled. The rates are projected on a fully generational basis by scale BB to account for future mortality improvements subject to the 3% floor.

Actuarial assumptions were developed primarily from the actuarial investigation of the experience over the four year period December 31, 2010 through December 31, 2014. They were adopted in 2015 and first used in the December 2015 actuarial valuation.

Discount Rate

The discount rate used to measure the Total OPEB Liability was 3.31%. The projection of cash flows used to determine the discount rate assumed that employee and employer contributions will be made at the rates specified in statute. Based on that assumption, the pension plan's Fiduciary Net Position was projected to be available to make all projected future benefit payments of current active and inactive employees. Therefore, the long-term expected rate of return on pension plan investments was applied to all periods of projected benefit payments to determine the Total OPEB Liability.

Changes in the OPEB Liability

Balance at 12/31/2016	$78,105
Changes for the year:	
Service cost	2,281
Interest on total OPEB liability	2,980
Change in benefit terms	-
Difference between expected and actual experience	-
Changes of assumptions	6,799
Benefit payments *	(798)
Net changes	11,262
Balance at 12/31/2017	$89,367

- Due to the SDBF being considered an unfunded OPEB plan under GASB 75, benefit payments are treated as being equal to the employer's yearly contributions for retirees.

Sensitivity of the net pension liability to changes in the discount rate

The following presents the net OPEB liability of the City, calculated using the discount rate of 3.31, as well as what the City's net OPEB liability would be if it were calculated using a discount rate that is 1-percentage-point lower (2.31) or 1-percentage-point higher (4.31%) than the current rate:

	1.% Decrease in Discount Rate (2.31%)	Discount Rate 3.31%	1% Increase in Discount Rate (4.31%)
City's OPEB liability	$106,962	$89,367	$75,836

5. Pension Expense (Income) and Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pensions

For the year ended June 30, 2018, the City recognized OPEB expense of $6,640.

At June 30, 2018, the City reported deferred outflows of resources and deferred inflows of resources related to OPEB from the following sources:

	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences between expected and actual economic experience	$ -	$ -
Changes in actuarial assumptions	5,420	-
Contributions subsequent to the measurement date	1,415	-
Total	$6,835	$ -

$1,415 reported as deferred outflows of resources related to OPEB resulting from contributions subsequent to the measurement date will be recognized as a reduction of the OPEB liability for the year ending June 30, 2019. Other amounts reported as deferred outflows and inflows of resources related to OPEB will be recognized in OPEB expense as follows:

	Net Deferred Outflows (Inflows) Of Resources
2018	$1,379
2019	1,379
2020	1,379
Total	$5,420

NOTE H – VACATION LEAVE AND SICK LEAVE

Unused vacation leave and sick leave are allowed to accumulate and are paid upon employee's termination. At June 30, 2018 and 2017, $214,410 and $210,645 of unpaid vacation leave, sick leave, and "comp time" liability has been recorded. Changes in the accumulated liabilities are shown below:

	Proprietary Fund	General Fund Long-Term
Balance at July 1, 2017	$ 75,167	$ 135,478
Net Change	(860)	4,625
Balance at June 30, 2018	$ 74,307	$ 140,103

NOTE I – LONG-TERM DEBT PROPRIETARY FUND

The following is a summary of the City's Proprietary Fund long-term debt transactions for the year ended June 30, 2018:

	Debt Outstanding July 1, 2017	Additions	Reductions	Debt Outstanding June 30, 2018
Line of Credit	$ -	$ -	$ -	$ -
Compensated Absences	75,167	-	860	74,307
Net OPEB Liability	34,366	4,955	-	39,321
Total Proprietary Fund Debt	$ 109,533	$ 4,955	$860	$ 113,628

NOTE J – LONG-TERM GOVERNMENTAL ACTIVITIES

The following is summary of the City's governmental activities long-term debt transactions for the year ended June 30, 2018:

	Debt Outstanding July 1, 2017	Additions	Reductions	Debt Outstanding June 30, 2018
Certificates of Obligation	$ 1,375,000	$ -	$ 65,000	$ 1,310,000
Bonds	155,000	-	50,000	105,000
Compensated Absences	135,478	4,625	-	140,103
Net OPEB Liability	43,739	6,307	-	50,046
Total Long-Term Debt	$ 1,709,217	$ 10,932	$ 115,000	$ 1,605,149

Debt outstanding as of June 30, 2018, consisted of the following:

	Interest Rate	Maturity Date	Original Amount	Amount Outstanding
Certificate of Obligation				
2011 Series	2.32%	2022	$ 500,000	$ 295,000
2010 Series	0%	2040	1,050,000	1,015,000
General Obligation Refunding Bonds Series 2011	2.12%	2020	600,000	105,000
Total Bonds and Certificates of Obligation				$ 1,415,000

Presented below is a summary of total debt service requirements to maturity by years:

Year Ending June 30	Principal	Interest
2019	$ 120,000	$9,070
2020	125,000	6,502
2021	130,000	3,828
2022	135,000	1,972
2023	50,000	
2024-2028	250,000	
2029-2033	250,000	
2034-2038	250,000	
2039-2040	105,000	
Total	$1,415,000	$21,372

The City was in compliance with all long-term debt covenants at June 30, 2018.

NOTE K –HEALTH CARE COVERAGE

During the year June 30, 2018 employees of the City of San Augustine were covered by a health insurance plan (the Plan). The City pays 100% of employee's premiums each month. If the employee chooses to have his/her dependents covered by the Plan, the City pays 20% of the total premium for that family. All premiums were paid to a licensed insurer, Texas Municipal League. The City continues to work to reduce out-of-pocket expenses for its employees.

The contract between the City and the licensed insurer is renewable in January, 2018, and terms of coverage and premium costs are included in the contractual provisions.

Latest financial statements for the Texas Municipal League are available for the year ended December 31, 2017, and have been filed with the Texas State Board of Insurance, Austin, Texas, and are public records.

NOTE L –RISK MANAGEMENT

The City is exposed to various risks of loss related to torts; theft of, damage to, and destruction of assets; errors and omissions; injuries to employers; and natural disasters.

Members purchase workers' compensation coverage through Deep East Texas Self Insurance Fund, a public entity risk pool, which is self-sustained through member contributions. The Fund reinsures to statutory limits through commercial companies for claims in excess of $750,000 for the year 2017-2018. The Fund contracts with independent actuaries to determine the adequacy of reserves and fully funds those reserves.

The members of Deep East Texas Self Insurance Fund have no known premium liabilities for workers' compensation coverage excess of the contracted annual premium. However, if the assets of the Fund were to be exhausted, members would be liable for their portion of the Fund's liabilities. This would indicate that members would be contingently liable for the portion of the liability applicable to their political entity. Independent auditors conduct a financial audit at the close of each plan year and as of the most recent audit, the Fund has adequate assets to more than cover more than 100% of all liabilities.

The City continues to carry commercial insurance for all other risks of loss, including commercial building and property, vehicle collision and comprehensive, and City personnel and City Council errors and omissions insurance. Settled claims resulting from these risks have not exceeded commercial insurance coverage in any of the past three fiscal years.

NOTE M –COMMITMENTS AND COMTENGENCIES

Mission Delores

The City transferred the administration of the Mission Delores Center to the State of Texas. The City is committed to assisting the State in the payment of maintenance and operations costs with monthly payments to the State during the years ended June 30, 2018 and 2019, of $3,091 and $1,546, respectively.

Grants

The City participates in numerous state and Federal grant programs which are governed by various rules and regulations of the grantor agencies. Costs charged to the respective grant programs are subject to audit and adjustment by the grantor agencies; therefore, to the extent that the City has not complied with the rules and regulations governing the grants, if any, refunds of any money received may be required and the collectability of any related receivable at June 30, 2018 may be impaired. In the opinion of the City, there are no significant contingent liabilities relating to compliance with the rules and regulations governing the respective grants; therefore, no provision has been recorded in the accompanying basic financial statements for such contingencies.

NOTE N - INTERFUND BALANCES AND ACTIVITIES

1. Due To and From Other Funds

Balances due to and due from other funds at June 30, 2018, consisted of the following:

Due to Fund	Due From Fund	Amount	Purpose
General	System	$36,058	Cash deposit correction

2. Transfers To and From Other Funds

Transfers to and from other funds for the year ended June 30, 2018, consisted of the following:

Transfers From	Transfers To	Amount	Reason
System Fund	General Fund	$1,696	Operating Transfers
System Fund	General Fund	411,000	In Lieu of Taxes
System Fund	Debt Service	142,716	Debt Service
Capital Projects	Debt Service	25,917	Excess Project Funds
		$581,329	

NOTE O – SEGMENT INFORMATION

The City's Proprietary Fund accounts for the acquisition, operation, and maintenance of electric power and water and a wastewater facilities which are supported by user charges. Segment information for the year ended June 30, 2018 is as follows:

	Electric Department	Water and Wastewater Department	Total
Operating revenues	$ 2,643,370	$ 1,616,554	$ 4,262,924
Net operating income before depreciation	$ 469,685	$ 432,488	$ 902,173

NOTE P –LITIGATION

From time to time, the City is a defendant in legal proceedings relating to its operations as a municipality. In the best judgment of the City's management, the outcome of any present legal proceedings will not have materially adverse effect on the accompanying basic financial statements.

REQUIRED SUPPLEMENTARY INFORMATION

CITY OF SAN AUGUSTINE, TEXAS

GENERAL FUND

STATEMENT OF REVENUES, EXPENDITURES, AND CHANGES IN FUND BALANCES - BUDGET (GAAP BASIS) AND ACTUAL

FOR THE YEAR ENDED JUNE 30, 2018

	BUDGET			VARIANCE FROM FINAL BUDGET FAVORABLE
	ORIGINAL	FINAL	ACTUAL	(UNFAVORABLE)
REVENUES:				
Property Taxes	$ 397,500	$ 397,500	$ 379,454	$ (18,046)
Garbage Collection	201,600	201,600	202,376	776
Other Local Taxes and Permits	499,600	499,600	506,502	6,902
Fines and Parking	52,675	52,675	59,184	6,509
Interest Income	-	-	37	37
Miscellaneous	46,871	46,871	91,526	44,655
Donations and Grants	-	-	29,982	29,982
TOTAL REVENUES	1,198,246	1,198,246	1,269,061	70,815
EXPENDITURES:				
City Council	37,188	37,188	29,976	7,212
Administrative Department	259,419	259,419	231,885	27,534
Street Department	182,564	182,564	182,091	473
Sanitation Department	154,939	154,939	156,114	(1,175)
Fire Department	149,035	149,035	111,493	37,542
Police Department	622,084	622,084	550,511	71,573
Corporation Court	96,116	96,116	88,142	7,974
Municipal Buildings	18,538	18,538	11,244	7,294
Library Department	150,416	150,416	141,358	9,058
Multi-Purpose Center	9,395	9,395	6,072	3,323
Mission Delores	37,101	37,101	36,461	640
Main Street Program	54,298	54,298	51,298	3,000
Tourism Center	12,149	12,149	10,049	2,100
Miscellaneous	-	-	10,373	(10,373)
Capital Outlay	-	-	107,140	(107,140)
TOTAL EXPENDITURES	1,783,242	1,783,242	1,724,207	59,035
Excess (Deficiency) of Revenues Over (Under) Expenditures	(584,996)	(584,996)	(455,146)	129,850
OTHER FINANCING SOURCES (USES):				
Payments in Lieu of Taxes	499,995	499,995	411,000	88,995
Transfers In (Out)	-	-	1,696	(1,696)
TOTAL OTHER FINANCING SOURCES (USES)	499,995	499,995	412,696	87,299
Change in Fund Balance	(85,001)	(85,001)	(42,450)	42,551
Fund Balance at Beginning of Year	179,732	179,732	179,732	-
FUND BALANCE AT END OF YEAR	$ 94,731	$ 94,731	$ 137,282	$ 42,551

The accompanying notes are an integral part of this statement.

CITY OF SAN AUGUSTINE
DEBT SERVICE FUND
BUDGETARY COMPARISON SCHEDULE
FOR THE YEAR ENDED JUNE 30, 2018

	BUDGETED AMOUNTS ORIGINAL	BUDGETED AMOUNTS FINAL	ACTUAL	VARIANCE WITH FINAL BUDGET POSITIVE (NEGATIVE)
REVENUES:				
Other Local Taxes and Permits	$ -	$ -	$ -	$ -
Total Revenues	-	-	-	-
EXPENDITURES:				
Current:				
Payments on Long-Term Debt	126,872	126,872	126,902	(30)
Total Payments on Long-Term Debt	126,872	126,872	126,902	(30)
Other Financing Sources and (Uses)				
Operating Transfer In	138,000	138,000	168,633	30,633
Operating Transfer Out	-	-	-	-
Total Other Financing Sources and (Uses)	138,000	138,000	168,633	30,633
Net Change in Fund Balance	11,128	11,128	41,731	30,603
Fund Balance - September 1 (Beginning)	59,476	59,476	59,476	-
Fund Balance - August 31 (Ending)	$ 70,604	$ 70,604	$ 101,207	$ 30,603

CITY OF SAN AUGUSTINE, TEXAS

SCHEDULE OF CHANGES IN NET OPEB LIABILITY
AND RELATED RATIOS
LAST TEN FISCAL YEARS

		2018
Total OPEB Liability		
Service Cost	$	2,281
Interest (on the Total Pension Liability)		2,980
Changes in benefit terms		-
Difference between expected and actual experience		-
Change of assumptions		6,799
Benefit payments, including refunds of employee contributions		(798)
Net Change in Total OPEB Liability		11,262
Total OPEB Liability - Beginning		78,105
Total OPEB Liability - Ending (a)	$	89,367
Covered Employee Payroll	$	1,140,638
Net OPEB Liability as a Percentage of Covered Employee Payroll		7.83%

Notes to Schedule:

Due to the SDBF being considered an unfunded OPEB plan under GASB 75, benefit payments are treated as being equal to the employer's yearly contributions to retirees.

CITY OF SAN AUGUSTINE, TEXAS
SCHEDULE OF CHANGES IN NET PENSION LIABILITY
AND RELATED RATIOS
LAST TEN FISCAL YEARS

	2018	2017	2016	2015
Total Pension Liability				
Service Cost	$ 170,297	$ 162,835	$ 146,847	$ 144,222
Interest (on the Total Pension Liability)	340,031	316,556	309,910	317,052
Changes in benefit terms	-	-	-	-
Difference between expected and actual experience	(359,111)	58,457	(73,747)	(336,903)
Change of assumptions	-	-	46,964	-
Benefit payments, including refunds of employee contributions	(209,491)	(178,109)	(172,965)	(282,455)
Net Change in Total Pension Liability	(58,274)	359,739	257,009	(158,084)
Total Pension Liability - Beginning	5,057,091	4,697,352	4,440,343	4,598,427
Total Pension Liability - Ending (a)	$ 4,998,817	$ 5,057,091	$ 4,697,352	$ 4,440,343
Plan Fiduciary Net Position				
Contributions - Employer	$ 125,698	$ 110,489	$ 116,068	$ 133,532
Contributions - Employee	79,845	75,939	72,237	76,633
Net Investment Income	616,389	281,251	6,115	228,276
Benefit payments, including refunds of employee contributions	(209,491)	(178,109)	(172,965)	(282,455)
Administrative expense	(3,195)	(3,176)	(3,724)	(2,383)
Other	(162)	(171)	(186)	(196)
Net Change in Plan Fiduciary Net Position	609,084	286,223	17,545	153,407
Plan Fiduciary Net Position - Beginning	4,447,763	4,161,540	4,143,995	3,990,588
Plan Fiduciary Net Position - Ending (b)	$ 5,056,847	$ 4,447,763	$ 4,161,540	$ 4,143,995
Net Pension Liability - Ending (a) - (b)	(58,030)	609,328	535,812	296,348
Plan Fiduciary Net Position as a Percentage of Total Pension Liability	101.16%	87.95%	88.59%	93.33%
Covered Employee Payroll	$ 1,140,638	$ 1,084,843	$ 1,031,954	$ 1,094,758
Net Pension Liability as a Percentage of Covered Employee Payroll	-5.09%	56.17%	51.92%	27.07%

Notes to Schedule:

N/A

CITY OF SAN AUGUSTINE, TEXAS
SCHEDULE OF CONTRIBUTIONS - PENSION
LAST TEN FISCAL YEARS

	2018	2017	2016	2015
Actuarially determined contributions	$ 123,182	$ 121,403	$ 114,066	$ 120,393
Contributions in relation to the actuarially determined contribution	123,182	121,403	114,066	120,393
Contribution deficiency (excess)	$ -	$ -	$ -	$ -
Covered employee payroll	$ 1,102,613	$ 1,143,961	$ 1,063,213	$ 1,004,127
Contributions as a percentage of covered employee payroll	11.17%	10.61%	10.73%	11.99%

Notes to Schedule of Contributions

Valuation date:	
Notes	Actuarially determined contribution rates are calculated as of December 31 and become effective January 13 months later.

Methods and Assumptions Used to Determine Contribution Rates:

Actuarial Cost Method	Entry Age Normal
Amortization Method	Level Percentage of Payroll, Closed
Remaining Amortization Period	28 Years
Asset Valuation Method	10 Year smoothed market; 15% soft corridor
Inflation	2.50%
Salary Increases	3.50% to 10.50% including inflation
Investment Rate of Return	6.75%
Retirement Age	Experience- based table of rates that are specific to the City's plan of benefits. Last updated for the 2015 valuation pursuant to an experience study of the period 2010-2014
Mortality	RP2000 Combined Mortality Table with Blue Collar Adjustment with male rates multiplied by 109% and female rates multiplied by 103% and projected on a fully generational basis with scale BB

Other Information:

Notes	There were no benefit changes during the year.

OTHER SUPPLEMENTARY INFORMATION

CITY OF SAN AUGUSTINE, TEXAS

SCHEDULE OF DEPARTMENTAL NET OPERATING INCOME

(BEFORE DEPRECIATION) - PROPRIETARY FUND

FOR THE YEAR ENDED JUNE 30, 2018

	ELECTRIC DEPARTMENT	WATER & SEWER DEPARTMENT	TOTAL
Operating Revenues			
Electric	$ 2,643,370		$ 2,643,370
Water		$ 1,060,613	1,060,613
Sewer		421,447	421,447
Tapping Fees		3,325	3,325
Penalties		63,720	63,720
Other Charges for Services		21,836	21,836
Miscellaneous		48,613	48,613
Total Operating Revenues	2,643,370	1,619,554	4,262,924
Operating Expenses			
Administration	97,340	97,341	194,681
Water production & treatment		560,668	560,668
Water distribution		212,304	212,304
Sewer collection		131,975	131,975
Sewer treatment		184,778	184,778
Electric department	2,076,345		2,076,345
Total Operating Expense (Excluding Depreciation)	2,173,685	1,187,066	3,360,751
Net Operating Income Before Depreciation	$ 469,685	$ 432,488	$ 902,173

CITY OF SAN AUGUSTINE, TEXAS
COMPARATIVE SCHEDULE OF OPERATING EXPENSES - PROPRIETARY
FOR THE YEAR ENDED JUNE 30, 2018
WITH COMPARATIVE TOTALS FOR THE YEAR ENDED JUNE 30, 2017

	2018	2017
Administration		
Salaries and wages	$ 104,170	$ 110,574
Supplies	5,002	7,561
Contractual	49,716	44,217
Maintenance - equipment	664	186
Sundry charges	35,129	51,672
Total	194,681	214,210
Water Treatment and Production		
Salaries and wages	92,066	102,831
Supplies	180,266	164,239
Contractual	123,217	78,006
Maintenance - buildings & structures	18,436	12,895
Maintenance - equipment	113,983	42,540
Sundry charges	32,700	43,654
Total	560,668	444,165
Water distribution		
Salaries and wages	47,416	47,108
Supplies	40,159	33,404
Contractual	46,646	55,480
Maintenance - buildings & structures	40,988	23,025
Maintenance - equipment	19,122	10,110
Sundry charges	17,973	23,356
Total	212,304	192,483
Sewer Collection		
Salaries and wages	44,376	43,835
Supplies	9,508	7,338
Contractual	10,125	8,348
Maintenance - buildings & structures	38,561	15,260
Maintenance - equipment	11,429	4,657
Sundry charges	17,976	23,089
Total	131,975	102,527

	2018	2017
Sewer Treatment		
Salaries	$ 82,444	$ 70,432
Supplies	21,163	12,863
Contractual	49,182	81,185
Maintenance - buildings & structures	222	-
Maintenance - equipment	9,172	26,042
Sundry charges	22,595	30,166
Total	184,778	220,688
Electric Department		
Salaries and wages	125,580	144,214
Supplies	83,065	84,303
Contractual	1,785,389	1,865,335
Maintenance - equipment	50,499	31,893
Sundry charges	31,812	55,546
Total	2,076,345	2,181,291
Depreciation	237,121	241,537
Total Operating Expenses	$ 3,597,872	$ 3,596,901

CITY OF SAN AUGUSTINE, TEXAS
COMPARATIVE SCHEDULE OF CURRENT EXPENDITURES - GENERAL FUND
FOR THE YEAR ENDED JUNE 30, 2018
WITH COMPARATIVE TOTALS FOR THE YEAR ENDED JUNE 30, 2017

	2018	2017
City Council		
Mayor and council fees and wages	$ 8,200	$ 8,300
Supplies	1,526	1,166
Contractual	18,637	19,781
Maintenance - equipment	1,025	815
Sundry charges	588	588
Total	29,976	30,650
Administrative Department		
Salaries and wages	112,140	122,597
Supplies	4,983	6,177
Contractual	70,732	63,277
Maintenance - equipment	523	2,176
Sundry charges	43,507	43,763
Total	231,885	237,990
Street Department		
Salaries and wages	52,526	48,644
Supplies	19,385	18,019
Contractual	9,987	29,730
Maintenance - buildings & structures	48,067	31,417
Maintenance - equipment	16,912	12,034
Sundry charges	35,214	29,528
Total	182,091	169,372
Sanitation Department		
Salaries and wages	-	-
Supplies	-	-
Contractual	155,350	145,792
Maintenance - buildings & structures	18	-
Maintenance - equipment	746	-
Sundry charges	-	-
Total	156,114	145,792
Fire Department		
Salaries and wages	73,021	70,944
Supplies	7,194	9,593
Contractual	10,186	8,952
Maintenance - buildings & structures	-	-
Maintenance - equipment	6,592	20,719
Sundry charges	14,500	17,001
Total	111,493	127,209
Police Department		
Salaries and wages	344,833	343,094
Supplies	19,082	18,876
Contractual	27,281	33,051
Maintenance - buildings and structures	2,204	736
Maintenance - equipment	8,788	10,308
Sundry charges	148,323	137,863
	550,511	543,928

	2018	2017
Corporation Court		
Salaries and wages	$ 38,971	$ 38,961
Supplies	1,348	774
Contractual	33,288	29,132
Maintenance - equipment	14,535	14,246
Sundry charges	-	-
Total	88,142	83,113
Municipal Buildings		
Salaries and wages	1,392	3,796
Supplies	1,630	1,204
Contractual	2,382	2,331
Maintenance - buildings & structures	5,056	1,258
Sundry charges	784	1,207
Total	11,244	9,796
Library Department		
Salaries and wages	85,712	96,876
Supplies	2,475	2,189
Contractual	17,755	20,399
Maintenance - buildings & structures	4,409	3,564
Maintenance - equipment	914	699
Sundry charges	30,093	34,460
Total	141,358	158,187
Multi-Purpose Center		
Salaries and wages	329	1,050
Supplies	58	25
Contractual	3,931	4,154
Maintenance - buildings & structures	1,162	851
Sundry charges	592	588
Total	6,072	6,668
Mission Delores		
Salaries and wages	-	-
Supplies	-	-
Contractual	35,873	59,345
Maintenance - buildings & structures	-	-
Maintenance - equipment	-	-
Sundry	588	-
Total	36,461	59,345
El Camino Information Center		
Salaries and wages	-	-
Supplies	-	140
Contractual	-	96
Maintenance - buildings and grounds	-	-
Maintenance - equipment	-	-
Sundry	-	25
Total	-	261

CITY OF SAN AUGUSTINE, TEXAS
COMPARATIVE SCHEDULE OF CURRENT EXPENDITURES - GENERAL FUND
FOR THE YEAR ENDED JUNE 30, 2018
WITH COMPARATIVE TOTALS FOR THE YEAR ENDED JUNE 30, 2017

	2018	2017
Main Street Program		
Salaries and wages	32,741	32,123
Supplies	621	457
Contractual	3,175	45,738
Maintenance - buildings and grounds	-	-
Maintenance - equipment	-	-
Sundry	14,761	14,389
Total	51,298	92,707
Tourism Center		
Salaries and wages	1,320	2,400
Supplies	281	38
Contractual	5,655	4,898
Maintenance - buildings and grounds	2,787	1,619
Maintenance - equipment	-	-
Sundry	6	588
Total	10,049	9,543
Departmental Total Expenditures	$ 1,606,694	$ 1,674,561

CITY OF SAN AUGUSTINE, TEXAS
OTHER DATA
FOR THE YEAR ENDED JUNE 30, 2018
UNAUDITED

Cash balance of General Obligation debt service funds:

Interest and Sinking Fund Cash	$ 101,207

Assessed valuation for 2017 tax year: $60,161,430

Ad valorem tax rate for 2017 tax year: $0.641454/$100 valuation

2017 tax year collections, including penalty and interest: $336,183

Insurance Coverage	Description of Coverage		Amount
Texas Municipal League	Automobile liability	$	1,000,000
Texas Municipal League	Real and personal property	$	10,810,137
Texas Municipal League	General liability	$	2,000,000
Texas Municipal League	Equipment coverage	$	297,827
Texas Municipal League	Crime-Employee dishonesty coverage	$	25,000
Texas Municipal League	Law enforcement liability	$	2,000,000
Texas Municipal League	Errors and omissions	$	2,000,000
Texas Municipal League	Forgery and alteration	$	25,000
Texas Municipal League	Theft disappearance and destruction	$	50,000
Texas Municipal League	Computer fraud	$	25,000
Texas Municipal League	Boiler and machinery	$	500,000

System connections - The records of the City indicated that there were 1,110 water connections, 782 sewer connections and 1,115 electricity connections at June 30, 2018.

REPORT ON INTERNAL CONTROLS AND ON COMPLIANCE

Tiller and Company
A PROFESSIONAL CORPORATION OF
CERTIFIED PUBLIC ACCOUNTANTS

REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING AND ON COMPLIANCE AND OTHER MATTERS BASED ON AN AUDIT OF FINANCIAL STATEMENTS PERFORMED IN ACCORDANCE WITH *GOVERNMENT AUDITING STANDARDS*

To the Honorable Mayor and
City Council Members of the
City of San Augustine, Texas:

We have audited, in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States, the financial statements of the governmental activities, the business-type activities, and each major fund of the City of San Augustine, Texas (the "City") as of and for the year ended June 30, 2018, which collectively comprise the City's basic financial statements and have issued our report thereon dated December 13, 2018.

Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered the City's internal control over financial reporting (internal control) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the City's internal control. Accordingly, we do not express an opinion on the effectiveness of the City's internal control.

Our consideration of internal control over financial reporting was for the limited purpose described in the preceding paragraph and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies and therefore, material weaknesses or significant deficiencies may exist that were not identified. However, as described in the accompanying schedule of findings, we identified certain deficiencies in internal control that we consider to be a material weakness and a significant deficiency.

A deficiency in internal control exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent or detect misstatements on a timely basis. A material weakness is a deficiency, or a combination of deficiencies, in internal control such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented or detected and corrected on a timely basis. We consider the deficiency described in the accompanying schedule of findings as 2018-A to be a material weakness.

A significant deficiency is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance. We consider the deficiency described in the accompanying schedule of findings as 2018-B to be a significant deficiency.

204 W. COLUMBIA/POST OFFICE BOX 671/SAN AUGUSTINE, TEXAS 75972/(936) 275-5622
MEMBERS OF THE AMERICAN INSTITUTE OF CERTIFIED PUBLIC ACCOUNTANTS - THE TEXAS SOCIETY OF CERTIFIED PUBLIC ACCOUNTANTS

Compliance and Other Matters

As part of obtaining reasonable assurance about whether the City's financial statements are free of material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

Purpose of This Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the entity's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the entity's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

Tiller and Company
A Professional Corporation of
Certified Public Accountants

San Augustine, Texas
December 13, 2018

CITY OF SAN AUGUSTINE, TEXAS
SCHEDULE OF FINDINGS
FOR THE YEAR ENDED JUNE 30, 2018

2018-1 – GENERAL LEDGER

Criteria: Accounting should be completed timely to ensure all transactions are properly recorded.

Condition: The City was not performing all of the accounting procedures necessary to prepare monthly financial reports on a timely basis.

Effect: Accounting transactions were being improperly recorded or not recorded at all. This then requires multiple material audit adjustments.

Cause: Accounting personnel were not timely recording transactions.

Recommendation: In order for management and council to receive timely and credible financial information, we would suggest that all entries necessary to prepare a monthly "set of books" be done on a timely basis (before council meets for the next month). Some areas that need special attention are as follows:

- All bank accounts should be reconciled.
- Activity of all bank accounts should be recorded in the general ledger.
- Customer utility billings should be reconciled to the general ledger and all reports necessary to prepare the reconciliations should be printed and kept on a monthly basis.
- Research should be done to correctly classify all general ledger coding of deposits and disbursements.
- Accounts payable should be maintained on the general ledger.

Views of responsible officials and planned corrective actions: The City agrees with this finding. The City has had changes in personnel during the year. These changes will allow them to place greater emphasis on implementing procedures to ensure proper and timely accounting.

2018-2 SEGREGATION OF DUTIES

Criteria: Duties should be segregated to provide reasonable assurance that transactions are handled appropriately.

Condition: There is a lack of segregation of duties among City personnel.

Effect: When one individual is responsible for all of the related activities, the potential for errors and irregularities is increased.

Cause: There are a limited number of personnel for certain functions.

Recommendation: The duties should be separated as much as possible, and alternative controls should be used to compensate for lack of segregation.

Views of responsible officials and planned corrective actions: The City agrees with this finding. The City has had changes in personnel during the year. These changes will allow them to place greater emphasis and the review segregation and alternative controls.

Appendix E

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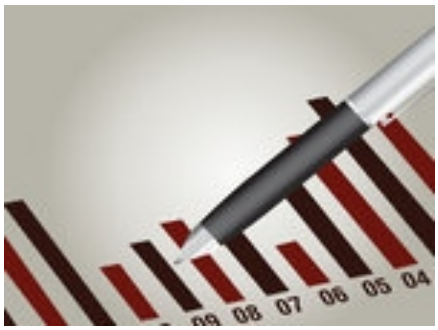
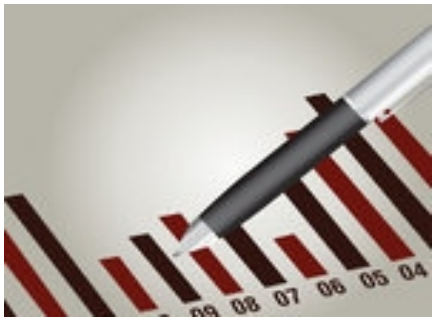


City of San Augustine

FY 2020 Proposed Budget

July 1, 2019 - June 30, 2020



CITY OF SAN AUGUSTINE
ORGANIZATIONAL OUTLINE

I. Citizens of San Augustine

A. Mayor and Council

1. Boards
2. City Attorney
3. City Manager
   - a) City Secretary
     - (1) Utility Billing Department
     - (2) Municipal Bldg.
   - b) Finance Director
   - c) Main Street Director
     - (1) Main Street Program
   - d) Street Supervisor
     - (1) Street Department
   - e) Water / Waste Water Supervisor
     - (1) Water Production and Treatment
     - (2) Water Distribution
     - (3) Sewer Collections
     - (4) Sewer Treatment
   - f) Electrical Supervisor
     - (1) Electrical Department
   - g) Chief of Police
     - (1) Police Department
   - h) Fire Chief
     - (1) Fire Department
   - i) Library Director
     - (1) Library Services
     - (2) Genealogy
   - j) Multi-Purpose Bldg.
   - k) IT/Process Improvement Specialist
4. City Judge

FISCAL YEAR 2020
BUDGET SUMMARY

Exhibit "A"

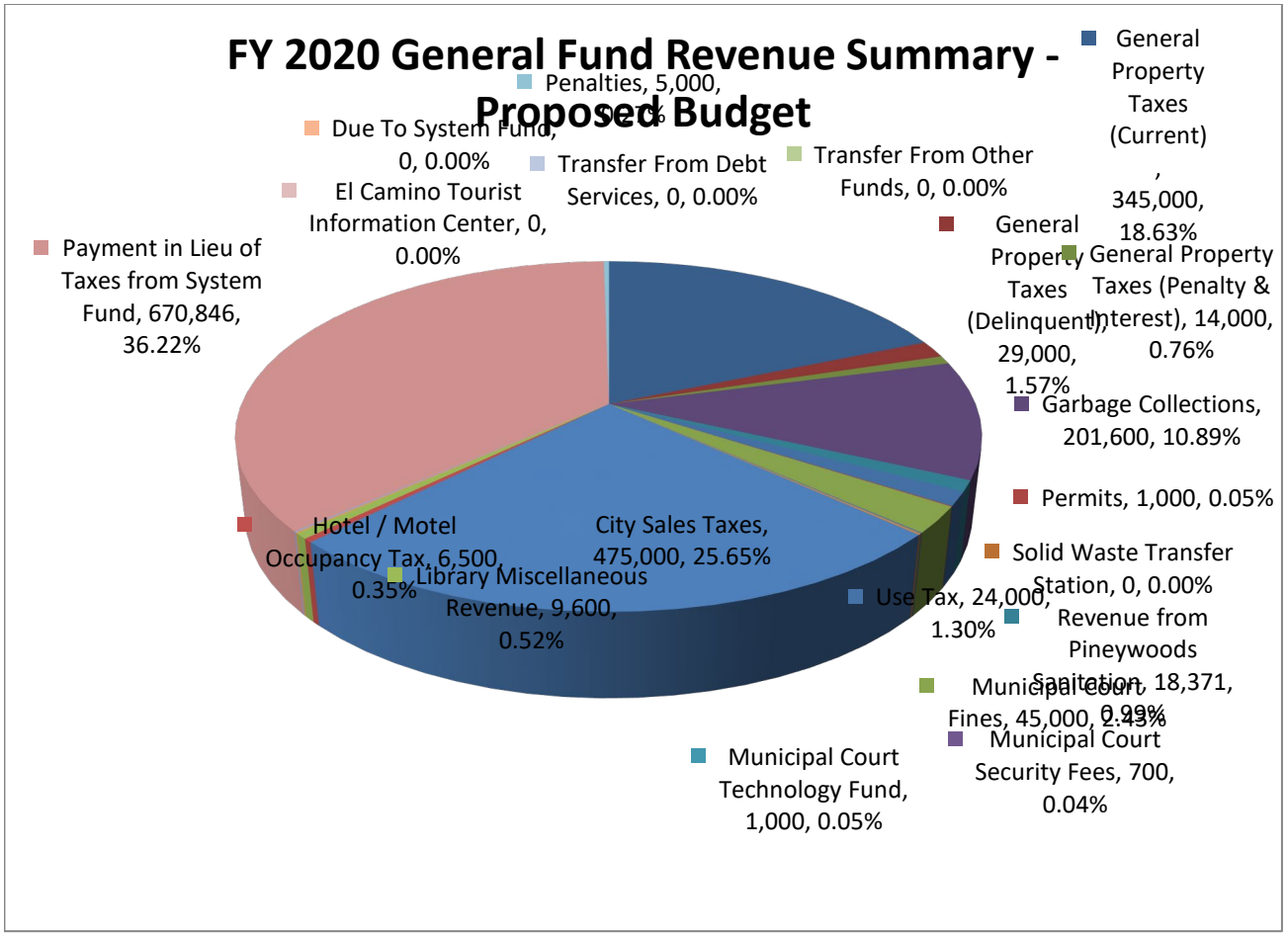
BUDGET SUMMARY

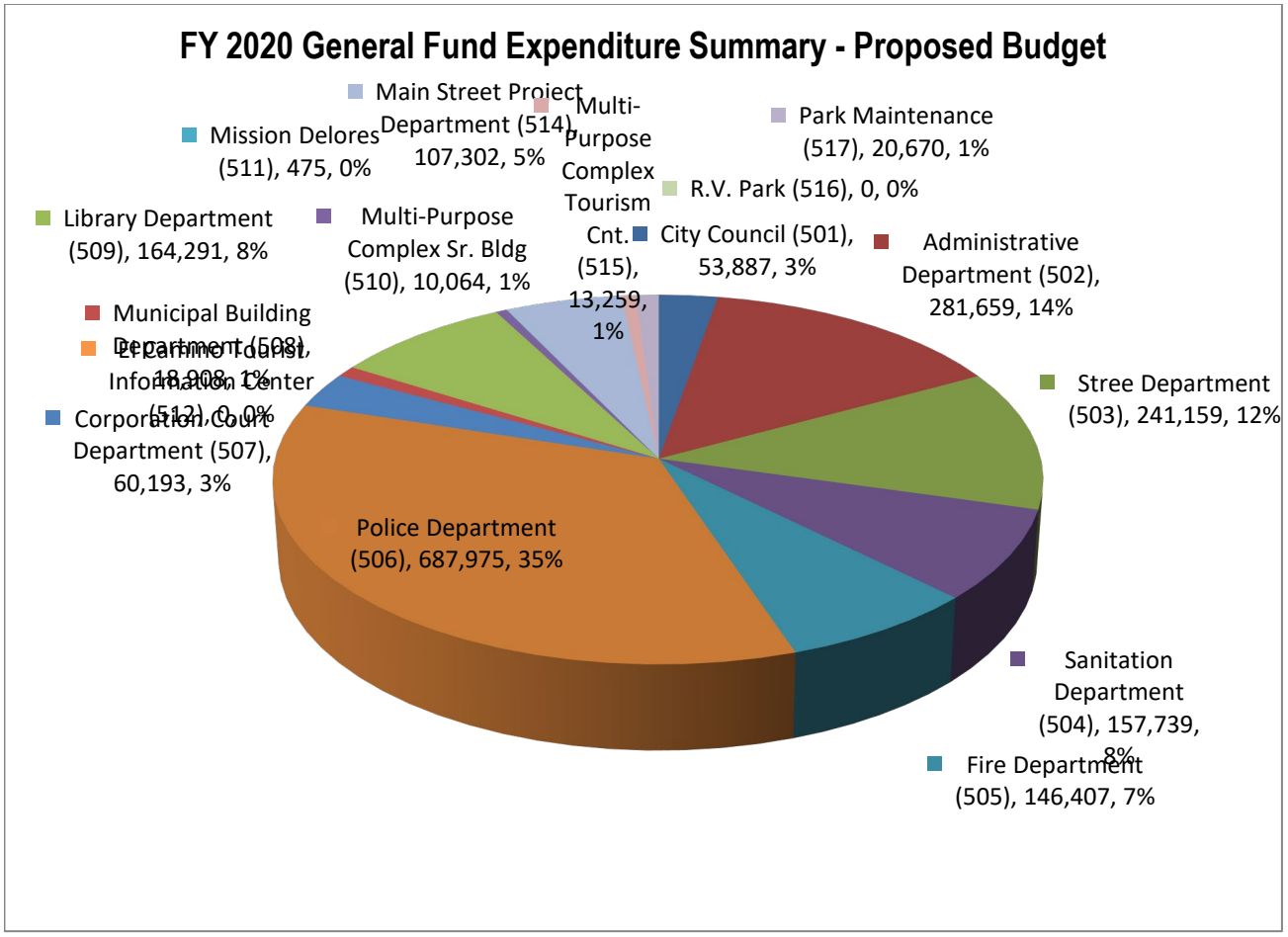
	2015- 2016 ACTUAL	2016 - 2017 ACTUAL	2017 - 2018 ACTUAL	2018 - 2019 BUDGET	Y-T-D ACTUAL	2018 - 2019 PROJECTED	2019 - 2020 PROPOSED
COMBINED GF/SF FUNDS BALANCE, JULY 1	0	0	0	0			
GENERAL FUND FUND BALANCE, JULY 1	279,464	150,487	179,732	60,000	137,282	137,282	112,000
GENERAL FUND							0
General Fund Revenues	1,758,359	1,699,048	1,640,059	1,909,017	1,404,643	1,592,884	1,852,017
General Fund Expenditures	1,708,024	1,674,562	1,665,158	1,979,017	1,313,453	1,677,644	1,963,987
GENERAL FUND FUND BALANCE	329,799	174,974	137,282	(10,000)	228,472	52,523	30
SYSTEM FUND FUND BALANCE, JULY 1	29,067	107,444	259,649	320,000	219,433	219,433	125,000
SYSTEM FUND							
System Fund Revenues	4,372,184	4,519,317	4,264,408	4,462,129	3,371,084	4,213,454	4,597,329
System Fund Expenditures	4,236,096	4,174,904	4,304,624	4,794,305	3,285,114	4,772,670	4,721,466
SYSTEM FUND FUND BALANCE	165,155	451,857	219,433	(12,176)	305,403	(339,783)	863
I & S FUND							
I & S FUND BALANCE	72,267	90,780	59,476	72,474	101,207	101,207	112,361
Revenue From General Fund	145,173	138,000	138,000	138,000	105,345	138,000	138,000
Other Financing Sources	0	0	30,633				
AVAILABLE I & S REVENUE	217,440	228,780	228,109	210,474	206,552	239,207	250,361
Excess of Revenues Transferred to Gen. Fund	0	40,000	0	0	0	0	0
Excess of Revenues Transferred to Sys. Fund	0	0	0	30,000	0	0	80,500
Debt Service Payments	126,660	129,304	126,902	129,420	126,846	126,847	131,902
I & S FUND BALANCE	90,780	59,476	101,207	51,054	79,706	112,361	37,959
CAPITAL PROJECT FUND							
FUND BALANCE	85,062	42,480	42,145	42,480	16,009	16,009	16,009
Capital Project Fund Revenues							
Interest Income	18	65	0	0	0	0	0
2010 CO	0	0	0	0	0	0	0
2011 CO	0	0	0	0	0	0	0
Ike 2	0	0	0	0	0	0	0
EDA	0	0	0	901,800	0	0	0
Capital Project Fund Expenses					0	0	0
2010 CO	0	0	0	0	0	0	0
2011 CO	0	0	0	0	0	0	0
Ike 2	0	0	0	0	0	0	0
EDA	0	0	0	901,800	0	0	0
Miscellaneous	400	400	219	0	0	0	0
Opertating Transfer Out	42,200	0	25,917	0	0	0	0
CAPITAL PROJECT FUND BALANCE	42,880	42,145	16,009	42,480	16,009	16,009	16,009

GENERAL FUND

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
GENERAL FUND REVENUE and EXPENDITURE SUMMARY

FUND	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(---------- 2018 - 2019 ----------) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
	REVENUE SUMMARY							
GENERAL (01)	Proceeds From Note Payable							
GENERAL (01)	General Property Taxes (Current)	350,994	331,806	341,961	345,000	343,065	351,682	345,000
GENERAL (01)	General Property Taxes (Delinquent)		31,521	23,396	29,000	26,298	27,000	29,000
GENERAL (01)	General Property Taxes (Penalty & Interest)		15,059	14,097	14,000	15,478	16,000	14,000
GENERAL (01)	Garbage Collections	190,118	196,314	202,376	201,600	152,047	201,847	201,600
GENERAL (01)	Revenue from Pineywoods Sanitation	17,877	13,441	19,742	18,371	16,322	18,371	18,371
GENERAL (01)	Solid Waste Transfer Station	0	0	0	0	0	0	0
GENERAL (01)	Use Tax	30,299	24,401	32,790	24,000	38,904	38,904	24,000
GENERAL (01)	Permits	2,512	785	2,115	1,000	115	115	1,000
GENERAL (01)	Municipal Court Fines	39,323	45,380	51,955	45,000	36,992	45,000	45,000
GENERAL (01)	Municipal Court Security Fees	663	785	836	700	614	700	700
GENERAL (01)	Municipal Court Technology Fund	884	1,047	1,111	1,000	819	1,000	1,000
GENERAL (01)	Miscellaneous Revenue	3,028	3,102	23,134	2,000	15,507	15,507	2,000
GENERAL (01)	City Sales Taxes	465,494	436,612	465,198	425,000	401,942	509,641	475,000
GENERAL (01)	Hotel / Motel Occupancy Tax	6,006	6,665	6,399	4,500	5,821	10,000	6,500
GENERAL (01)	Library Miscellaneous Revenue	12,829	14,737	9,513	9,600	7,732	9,600	9,600
GENERAL (01)	Mission Delores & R. V. Park	27,145	14,122	25,653	12,000	4,636	8,000	0
GENERAL (01)	Interest Income	0	0	37	0	0	0	0
GENERAL (01)	Sr. Citizens Complex Rental Revenue	1,800	1,300	825	1,400	1,695	1,695	1,400
GENERAL (01)	Log Cabin Tourism Center Rental Revenue	4,195	4,130	2,637	2,000	3,940	3,940	2,000
GENERAL (01)	Payment in Lieu of Taxes from System Fund	600,000	552,699	411,000	767,846	328,882	328,882	670,846
GENERAL (01)	Transfer From Other Funds	0	0	0	0	0	0	0
GENERAL (01)	Other Grants (CDBG)	0	0	0		0	0	
GENERAL (01)	Penalties	5,192	5,144	5,282	5,000	3,833	5,000	5,000
GENERAL (01)	Due To System Fund	0	0	0	0	0	0	0
GENERAL (01)	Transfer From Debt Services	0	0	0	0	0	0	0
GENERAL (01)	El Camino Tourist Information Center	0	0	0	0	0	0	0
GENERAL (01)	Main Street Project Department	0	0	0	0	0	0	0
	GRAND TOTALS - ALL GENERAL FUND REVENUES	1,758,359	1,699,048	1,640,059	1,909,017	1,404,643	1,592,884	1,852,017
	EXPENDITURE SUMMARY							
GENERAL (01)	Miscellaneous Other Expenses							
GENERAL (01)	Transfer to I & S Fund for Debt Service	145,173	0	0	0	0	0	0
GENERAL (01)	General Ledger Entries (500)	0	0	0	0	0	0	0
GENERAL (01)	City Council (501)	33,018	30,650	29,977	39,025	27,095	32,178	53,887
GENERAL (01)	Administrative Department (502)	221,820	237,990	231,884	268,499	213,953	275,296	281,659
GENERAL (01)	Stree Department (503)	140,440	169,372	182,091	202,992	119,095	163,611	241,159
GENERAL (01)	Sanitation Department (504)	136,528	145,792	156,114	155,564	117,932	155,236	157,739
GENERAL (01)	Fire Department (505)	111,429	127,209	111,492	152,753	97,175	127,862	146,407
GENERAL (01)	Police Department (506)	524,528	543,928	601,444	681,326	458,691	589,929	687,975
GENERAL (01)	Corporation Court Department (507)	85,652	83,113	88,142	98,274	66,874	79,715	60,193
GENERAL (01)	Municipal Building Department (508)	16,603	9,796	11,453	20,901	7,156	8,356	18,908
GENERAL (01)	Library Department (509)	130,108	158,187	146,153	164,108	120,150	142,278	164,291
GENERAL (01)	Multi-Purpose Complex Sr. Bldg (510)	6,156	6,668	6,070	9,447	16,627	17,636	10,064
GENERAL (01)	Mission Delores (511)	41,301	59,345	36,461	17,480	14,118	17,210	475
GENERAL (01)	El Camino Tourist Information Center (512)	14,656	261	0	0	0	0	0
GENERAL (01)	Main Street Project Department (514)	49,736	92,707	51,297	105,461	42,844	54,021	107,302
GENERAL (01)	Multi-Purpose Complex Tourism Cnt. (515)	11,166	9,543	12,578	13,186	11,719	14,291	13,259
GENERAL (01)	R.V. Park (516)	19,855	0	0	0	0	0	0
GENERAL (01)	Park Maintenance (517)	19,855	0	0	50,000	23	23	20,670
	GRAND TOTALS - ALL GENERAL FUND EXPENDITURES	1,708,024	1,674,562	1,665,158	1,979,017	1,313,453	1,677,644	1,963,987


FY 2020 General Fund Revenue Summary - Proposed Budget
General Property Taxes (Current), 345,000, 18.63%
General Property Taxes (Penalty & Interest), 14,000, 0.76%
General Property Taxes (Delinquent), 29,000, 1.57%
Garbage Collections, 201,600, 10.89%
Permits, 1,000, 0.05%
Solid Waste Transfer Station, 0, 0.00%
Revenue from Pineywoods Sanitation, 18,371, 0.99%
Municipal Court Fines, 45,000, 2.43%
Municipal Court Security Fees, 700, 0.04%
Municipal Court Technology Fund, 1,000, 0.05%
Use Tax, 24,000, 1.30%
City Sales Taxes, 475,000, 25.65%
Library Miscellaneous Revenue, 9,600, 0.52%
Hotel / Motel Occupancy Tax, 6,500, 0.35%
Payment in Lieu of Taxes from System Fund, 670,846, 36.22%
El Camino Tourist Information Center, 0, 0.00%
Due To System Fund, 0, 0.00%
Penalties, 5,000, 0.27%
Transfer From Debt Services, 0, 0.00%
Transfer From Other Funds, 0, 0.00%


FY 2020 General Fund Expenditure Summary - Proposed Budget
Main Street Project Department (514), 107,302, 5%
Multi-Purpose Complex Tourism Cnt. (515), 13,259, 1%
Park Maintenance (517), 20,670, 1%
Mission Delores (511), 475, 0%
R.V. Park (516), 0, 0%
Library Department (509), 164,291, 8%
Multi-Purpose Complex Sr. Bldg (510), 10,064, 1%
City Council (501), 53,887, 3%
Administrative Department (502), 281,659, 14%
Municipal Building Department (508), 18,908, 1%
El Camino Tourist Information Center (512), 0, 0%
Stree Department (503), 241,159, 12%
Corporation Court Department (507), 60,193, 3%
Police Department (506), 687,975, 35%
Sanitation Department (504), 157,739, 8%
Fire Department (505), 146,407, 7%

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
GENERAL FUND (01)

						(---------- 2018 - 2019 ----------)			2019 - 2020
	ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	PROPOSED BUDGET
		CITY COUNCIL							
		SALARIES and WAGES							
I	501 51010	Salary - Supervision	0	0	0	0	0	0	0
I	501 51040	Salary - Extra Help	0	0	0	0	0	0	0
I	501 51060	- Mayor & Council Fees	8,400	8,300	8,200	8,400	6350	8,300	8,400
		Total Salaries and Wages	**8,400**	**8,300**	**8,200**	**8,400**	**6,350**	**8,300**	**8,400**
		SUPPLIES							
I	501 52010	- Office Supplies	0	0	0	0	0	0	0
I	501 52020	Fuel	1,026	1,003	1,080	2,000	495	829	2,000
I	501 52110	- Other Supplies	376	163	446	500	418	500	500
		Total Supplies	**1,402**	**1,166**	**1,526**	**2,500**	**913**	**1,329**	**2,500**
		CONTRACTUAL							
I	501 53030	- Insurance & Bonds	594	639	620	700	605	605	700
I	501 53050	- Court Costs (Attorney)	7,470	7,448	7,492	7,500	5,496	7,500	7,500
I	501 53060	- Traveling Expenses	4,477	3,327	4,313	5,000	5,138	5,138	5,500
I	501 53070	- Publications	0	0	0	0	0	0	0
I	501 53100	- Engineering & Related Consultants	1,467	1,712	0	2,000	0	0	5,000
I	501 53110	- Associations	1,465	689	973	1,500	1,223	1,500	1,500
I	501 53130	- Postage	0	0	0	0	0	0	0
I	501 53150	- Training	1,675	1,250	1,330	2,100	1,430	1,430	2,100
I	501 53160	- Promotions & Advertising	5,072	2,363	1,222	5,000	1,963	2,100	5,000
I	501 53170	- Miscellaneous	0	2,353	2,688	2,700	1,617	1,917	2,700
		Total Contractual	**22,219**	**19,781**	**18,637**	**26,500**	**17,472**	**20,190**	**30,000**
		MAINTENANCE - BUILDING STRUCTURES, ETC.							
I	501 54010	- Buildings & Grounds	0	0	0	0	0	0	0
I	501 54140	- Other	0	0	0	0	0	0	0
		Total Maintenance - Building Structures, Etc.	**0**	**0**	**0**	**0**	**0**	**0**	**0**
		MAINTENANCE - EQUIPMENT							
I	501 55010	- Furniture & Fixtures	0	0	0	0	0	0	0
I	501 55040	- Motor Vehicles	363	815	1,025	1,000	1,772	1,772	1,000
I	501 55070	- Miscellaneous	0	0	0	0	0	0	0
		Total Maintenance - Equipment	**363**	**815**	**1,025**	**1,000**	**1,772**	**1,772**	**1,000**
		SUNDRY CHARGES							
I	501 56010	Contributions & Gratuities	0	0	0	0	0	0	0
I	501 56030	Judgements, Damages, Claims	1,000	0	0	0	0	0	0
I	501 56040	Social Security Taxes	0	0	0	0	0	0	0
I	501 56070	Auditing	556	588	588	625	588	588	670
I	501 56080	- Occupancy Tax	0	0	0	0	0	0	0
I	501 56100	Miscellaneous	0	0	0	0	0	0	0
I	501 56110	Workers Compensation	0	0	0	0	0	0	0
I	501 56120	Unemployment	0	0	0	0	0	0	0
		Total Sundry Charges	**1,556**	**588**	**588**	**625**	**588**	**588**	**670**

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
GENERAL FUND (01)

ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(---------- 2018 - 2019 ----------) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
	CAPITAL OUTLAY							
I 501 57010	- Land Purchased	0	0	0	0	0	0	0
I 501 57020	- Land Improvements	0	0	0	0	0	0	0
I 501 58010	- Buildings	0	0	0	0	0	0	0
I 501 58150	- Other	0	4,956	0	0	0	0	11,317
I 501 59010	- Furniture & Fixtures	0	0	0	0	0	0	0
I 501 59100	Miscellaneous	0	0	0	0	0	0	0
	Total Capital Outlay	**0**	**4,956**	**0**	**0**	**0**	**0**	**11,317**
	TOTAL CITY COUNCIL	33,940	35,606	29,977	39,025	27,095	32,178	53,887

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
GENERAL FUND (01)

	ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(---------- 2018 - 2019 ----------) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
		ADMINISTRATIVE DEPARTMENT							
		SALARIES and WAGES							
I	502 51010	- Salary - Supervision - Admin.	89,849	93,311	85,164	91,420	71,336	92,876	97,817
I	502 51020	- Salary - Skilled Labor - Admin.	28,429	29,287	26,574	22,722	17,809	23,155	24,212
I	502 51030	- Labor Operations	0	0	0	0	0	0	0
I	502 51040	- Salary - Extra Help - Admin.	0	0	401	0	0	0	0
		Total Salaries and Wages	**118,278**	**122,597**	**112,140**	**114,142**	**89,145**	**116,031**	**122,029**
		SUPPLIES							
I	502 52010	- Office Supplies	3,287	3,649	1,666	3,000	2,215	3,000	3,000
I	502 52020	- Fuel	0	0	295	400	246	378	400
I	502 52050	Motor Vehicle Supplies	0	0	0	200	0	0	200
I	502 52110	- Other Supplies	3,504	2,528	3,023	3,000	3,655	3,655	3,000
		Total Supplies	**6,791**	**6,177**	**4,983**	**6,600**	**6,116**	**7,033**	**6,600**
		CONTRACTUAL							
I	502 53010	- Communication	16,214	19,270	23,882	28,000	22,793	32,289	28,000
I	502 53030	- Insurance & Bonds	2,063	2,167	2,329	2,575	2,202	2,202	2,575
I	502 53060	- Traveling Expenses	1,272	1,804	3,643	3,200	2,888	3,200	3,200
I	502 53070	- Publications	107	0	0	110	0	0	110
I	502 53080	- Utilities	8,377	6,891	9,460	12,000	7,865	10,500	12,000
I	502 53110	- Associations	203	229	541	850	601	601	850
I	502 53130	- Postage	113	113	113	150	118	150	150
I	502 53140	- Intergovernmental Contracts	3,500	3,500	0	3,500	7,000	7,000	3,500
I	502 53150	- Training	623	700	1,133	1,750	867	1,000	1,750
I	502 53170	- Miscellaneous	2,261	7,713	1,100	3,500	10,217	10,217	3,500
I	502 53171	Mowing Contract	8,625	4,651	11,412	10,980	7,608	11,412	11,985
I	502 53172	UpKeep Conract (Work Orders)	0	0	0	210	192	192	210
I	502 53173	Website	0	0	1,550	1,200	10	1,560	1,560
I	502 53180	- Equipment Rental	2,156	3,002	2,979	3,100	2,271	3,100	3,100
I	502 53190	- Tax Appraisal District	10,492	13,239	12,591	14,000	8,860	12,360	14,000
		Total Contractual	**56,005**	**63,277**	**70,732**	**85,125**	**73,490**	**95,783**	**86,490**
		MAINTENANCE - BUILDING STRUCTURES, ETC.							
I	502 54010	- Buildings & Grounds	0	2,000	0	10,000	2,531	2,531	10,000
I	502 54040	- Sanitary Sewers	0	0	0	0	0	0	0
I	502 54140	Other	0	0	0	0	0	0	0
		Total Maintenance - Building Structures, Etc.	**0**	**2,000**	**0**	**10,000**	**2,531**	**2,531**	**10,000**
		MAINTENANCE - EQUIPMENT							
I	502 55010	- Furniture & Fixtures	170	0	0	200	0	0	200
I	502 55020	- Machinery, Tools & Equipment	0	0	0	0	0	0	0
I	502 55040	- Motor Vehicle	0	176	523	200	241	350	200
I	502 55070	- Miscellaneous	0	0	0	500	0	0	500
		Total Maintenance - Equipment	**170**	**176**	**523**	**900**	**241**	**350**	**900**
		SUNDRY CHARGES							
I	502 56010	- Contributions & Gratuities	780	780	780	780	585	780	780
I	502 56040	- Social Security Taxes	9,048	9,378	8,817	8,732	6,830	9,100	9,335
I	502 56050	- TMRS & Pension	12,556	13,230	12,163	11,505	9,402	12,536	14,644
I	502 56070	- Auditing	556	588	588	625	588	588	670

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
GENERAL FUND (01)

ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(2018 - 2019) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
I 502 56090	- Insurance - Employees	16,979	19,444	18,712	22,650	15,573	20,763	22,710
I 502 56110	- Workers Compensation	225	298	484	536	217	536	573
I 502 56120	- Unemployment	432	45	404	405	505	535	428
I 502 56140	Vacation Leave	0	0	909	0	0	0	0
I 502 56150	Sick Leave	0	0	649	0	0	0	0
	Total Sundry Charges	**40,576**	**43,763**	**43,507**	**45,232**	**33,700**	**44,838**	**49,139**
	CAPITAL OUTLAY							
I 502 57010	- Land Purchased	0	0	0	0	0	0	0
I 502 57020	- Land Improvements	0	0	0	0	0	0	0
I 502 58010	- Buildings	0	0	0	0	0	0	0
I 502 58150	- Other	0	0	0	6,500	8,730	8,730	6,500
I 502 59010	- Furniture & Fixtures	0	0	0	0	0	0	0
I 502 59020	- Machinery, Tools & Implements	0	0	0	0	0	0	0
I 502 59100	- Miscellaneous	0	0	0	0	0	0	0
	Total Capital Outlay	**0**	**0**	**0**	**6,500**	**8,730**	**8,730**	**6,500**
	TOTAL ADMINISTRATIVE DEPARTMENT	221,818	237,989	231,884	268,499	213,953	275,296	281,659

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
GENERAL FUND (01)

ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(---------- 2018 - 2019 ----------) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
	STREET DEPARTMENT							
	SALARIES and WAGES							
I 503 51010	- Salary - Supervision - Streets	0	0	0	0	0	0	0
I 503 51020	- Salary - Skilled Labor	0	0	0	0	0	0	
I 503 51030	- Labor Operations - Streets	43,197	48,485	52,143	53,703	39,276	49,046	54,912
I 503 51040	- Salary - Extra Help	0	160	383	0	0	0	0
	Total Salaries and Wages	**43,197**	**48,644**	**52,526**	**53,703**	**39,276**	**49,046**	**54,912**
	SUPPLIES							
I 503 52020	- Fuel	4,439	8,728	9,204	6,700	3,317	6,831	6,700
I 503 52040	- Wearing Apparel	100	200	82	200	243	243	200
I 503 52050	- Motor Vehicle Supplies	785	521	606	1,000	0	1,000	1,000
I 503 52060	- Minor Apparatus & Tools	0	80	0	110	0	110	110
I 503 52070	- Laundry & Cleaning	1,935	2,011	2,533	2,500	1,730	2,400	3,600
I 503 52080	- Chemical, Medical, Surgical	0	0	0	0	0	0	0
I 503 52090	- Mechanical	0	0	0	0	0	0	0
I 503 52110	- Other Supplies	3,459	6,478	6,959	6,500	3,717	5,500	6,500
	Total Supplies	**10,718**	**18,019**	**19,385**	**17,010**	**9,008**	**16,084**	**18,110**
	CONTRACTUAL							
I 503 53010	- Communication	2,148	3,192	4,056	4,200	3,697	5,203	4,200
I 503 53030	- Insurance & Bonds	1,134	1,154	1,569	1,600	1,511	1,511	1,600
I 503 53060	- Traveling Expenses	15	18	30	50	0	50	50
I 503 53080	- Utilities	10,498	23,549	3,717	5,000	2,219	3,700	5,000
I 503 53090	- Freight & Express	0	0	0	0	0	0	0
I 503 53110	- Associations	0	0	0	0	0	0	0
I 503 53122	- Special Projects	0	0	0	0	0	0	50,000
I 503 53130	- Postage	0	0	0	0	0	0	0
I 503 53140	- Intergovernmental Contracts	0	0	0	0	0	0	0
I 503 53150	- Training	0	0	0	0	0	0	2,500
I 503 53170	- Miscellaneous	369	1,818	615	2,600	2,998	2,998	2,600
I 503 53171	Mowing Contract	0	0	0	0	0	0	0
I 503 53172	UpKeep Conract (Work Orders)	0	0	0	420	384	384	420
I 503 53180	- Equipment Rental	0	0	0	0	0	0	0
	Total Contractual	**14,164**	**29,730**	**9,987**	**13,870**	**10,808**	**13,846**	**66,370**
	MAINTENANCE - BUILDING STRUCTURES, ETC.							
I 503 54010	- Buildings & Grounds	0	655	65	700	0	100	700
I 503 54020	- Bridges & Culverts	0	0	0	250	0	0	250
I 503 54050	- Sidewalks, Curbs, Gutters	511	0	0	250	0	0	250
I 503 54060	- Storm Sewers	0	0	0	0	0	0	0
I 503 54070	- Street & Alley Repairs	26,301	30,762	48,002	45,000	21,213	36,000	45,000
I 503 54140	- Other	0	0	0	0	0	0	0
	Total Maintenance - Building Structures, Etc.	**26,812**	**31,417**	**48,067**	**46,200**	**21,213**	**36,100**	**46,200**
	MAINTENANCE - EQUIPMENT							
I 503 55010	- Furniture & Fixtures	0	0	0	0	0	0	0
I 503 55020	- Machinery, Tools & Equipment	14,866	6,847	12,043	20,000	5,143	6,256	11,000
I 503 55030	- Instruments & Apparatus	0	0	0	0	0	0	0
I 503 55040	- Motor Vehicle	5,060	5,187	4,869	11,500	4,897	6,500	6,500

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
GENERAL FUND (01)

ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(2018 - 2019) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
I 503 55050	- Signals & Markers	0	0	0	0	0	0	0
I 503 55060	- Sweeper	0	0	0	0	0	0	0
I 503 55070	- Miscellaneous	0	0	0	0	0	0	0
	Total Maintenance - Equipment	**19,926**	**12,034**	**16,912**	**31,500**	**10,041**	**12,756**	**17,500**
	SUNDRY CHARGES							
I 503 56040	- Social Security Taxes	3,304	3,718	4,074	4,108	3,118	4,035	4,201
I 503 56050	- TMRS & Pension	4,806	5,294	6,054	5,414	4,299	5,325	6,590
I 503 56070	Audit	556	588	588	625	588	588	670
I 503 56090	- Insurance - Employees	13,794	16,177	17,135	18,120	12,757	16,700	18,168
I 503 56110	- Workers Compensation	2,821	3,730	7,485	7,918	3,378	4,503	8,096
I 503 56120	- Unemployment	342	20	-211	324	414	435	342
I 503 56140	Vacation Leave	0	0	88	0	0	0	0
I 503 56150	Sick Leave	0	0	0	0	0	0	0
	Total Sundry Charges	**25,623**	**29,528**	**35,214**	**36,509**	**24,555**	**31,586**	**38,067**
	CAPITAL OUTLAY							
I 503 57010	- Land Purchased	0	0	0	0	0	0	0
I 503 57020	- Land Improvements	0	0	0	0	0	0	0
I 503 58010	- Buildings	0	0	0	0	0	0	0
I 503 58020	- Bridges & Culverts	0	0	0	0	0	0	0
I 503 58050	- Sidewalks, Curbs & Gutters	0	0	0	0	0	0	0
I 503 58060	- Storm Sewers	0	0	0	0	0	0	0
I 503 58080	- Street & Alleys	0	0	0	0	0	0	0
I 503 58150	- Other	0	0	0	0	0	0	0
I 503 59010	- Furniture & Fixtures	0	0	0	0	0	0	0
I 503 59020	- Machinery, Tools & Implements	0	0	0	4,200	4,193	4,193	0
I 503 59030	- Instruments & Apparatus	0	0	0	0	0	0	0
I 503 59040	- Motor Vehicle	0	0	0	0	0	0	0
I 503 59050	- Other Vehicle	0	0	0	0	0	0	0
I 503 59070	- Signals & Markers	0	0	0	0	0	0	0
I 503 59080	- Communication System	0	0	0	0	0	0	0
I 503 59100	- Miscellaneous	0	0	0	0	0	0	0
	Total Capital Outlay	**0**	**0**	**0**	**4,200**	**4,193**	**4,193**	**0**
	TOTAL STREET DEPARTMENT	140,439	169,372	182,091	202,992	119,095	163,611	241,159

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
GENERAL FUND (01)

ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(---------- 2018 - 2019 ----------) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
	SANITATION DEPARTMENT							
	SALARIES and WAGES							
I 504 51010	- Salary - Supervision - Sanitation	0	0	0	0	0	0	0
I 504 51020	- Salary - Skilled Labor - Sanitation	0	0	0	0	0	0	0
I 504 51030	- Labor Operations - Sanitation	0	0	0	0	0	0	0
I 504 51040	- Salary - Extra Help - Sanitation	0	0	0	0	0	0	0
	Total Salaries and Wages	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	SUPPLIES							
I 504 52010	- Office Supplies	0	0	0	0	0	0	0
I 504 52020	- Fuel Supplies	0	0	0	0	0	0	0
I 504 52040	- Wearing Apparel	0	0	0	0	0	0	0
I 504 52050	- Motor Vehicle Supplies	0	0	0	0	0	0	0
I 504 52060	- Minor Apparatus & Tools	0	0	0	0	0	0	0
I 504 52070	- Laundry & Cleaning	0	0	0	0	0	0	0
I 504 52110	- Other Supplies	0	0	0	0	0	0	0
	Total Supplies	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	CONTRACTUAL							
I 504 53010	- Communication	0	1,101	31	880	804	880	880
I 504 53030	- Insurance & Bonds	1,326	1,274	1,331	1,500	1,218	1,218	1,500
I 504 53060	- Traveling Expenses	0	0	0	0	0	0	0
I 504 53080	- Utilities	0	-270	0	0	0	0	0
I 504 53090	- Freight & Express	0	0	0	0	0	0	0
I 504 53100	- Engineering & Related Consultants	0	0	0	0	0	0	0
I 504 53110	- Associations	0	0	0	0	0	0	0
I 504 53120	- Permits & Fees	137,184	140,848	148,278	149,184	112,041	149,138	149,184
I 504 53130	- Postage	0	0	0	0	0	0	0
I 504 53150	- Training	0	0	-70	0	0	0	0
I 504 53170	- Miscellaneous	0	1,440	0	0	0	0	0
I 504 53171	Mowing Contract	695	1,400	5,780	4,000	3,870	4,000	6,175
I 504 53180	- Equipment Rental	0	0	0	0	0	0	0
	Total Contractual	**139,205**	**145,792**	**155,350**	**155,564**	**117,932**	**155,236**	**157,739**
	MAINTENANCE - BUILDING STRUCTURES, ETC.							
I 504 54010	- Buildings & Grounds	0	0	18	0	0	0	0
I 504 54140	- Other	0	0	0	0	0	0	0
	Total Maintenance - Building Structures, Etc.	**0**	**0**	**18**	**0**	**0**	**0**	**0**
	MAINTENANCE - EQUIPMENT							
I 504 55010	- Furniture & Fixtures	0	0	0	0	0	0	0
I 504 55020	- Machinery, Tools & Equipment	0	0	0	0	0	0	0
I 504 55030	- Instruments & Apparatus	0	0	0	0	0	0	0
I 504 55040	- Motor Vehicle	0	0	746	0	0	0	0
I 504 55050	Signals & Markers	0	0	0	0	0	0	0
I 504 55070	- Miscellaneous	0	0	0	0	0	0	0
	Total Maintenance - Equipment	**0**	**0**	**746**	**0**	**0**	**0**	**0**

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
GENERAL FUND (01)

ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(2018 - 2019) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
	SUNDRY CHARGES							
I 504 56040	- Social Security Taxes	0	0	0	0	0	0	0
I 504 56050	- TMRS & Pension	0	0	0	0	0	0	0
I 504 56070	Audit	0	0	0	0	0	0	0
I 504 56090	- Insurance - Employees	0	0	0	0	0	0	0
I 504 56110	- Workers Compensation	0	0	0	0	0	0	0
I 504 56120	- Unemployment	0	0	0	0	0	0	0
I 504 56140	Vacation Leave	0	0	0	0	0	0	0
I 504 56150	Sick Leave	0	0	0	0	0	0	0
	Total Sundry Charges	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	CAPITAL OUTLAY							
I 504 57010	- Land Purchased	0	0	0	0	0	0	0
I 504 57020	- Land Improvements	0	0	0	0	0	0	0
I 504 59010	- Furniture & Fixtures	0	0	0	0	0	0	0
I 504 59020	- Machinery, Tools & Implements	0	0	0	0	0	0	0
I 504 59030	- Instruments & Apparatus	0	0	0	0	0	0	0
I 504 59040	- Motor Vehicles	0	0	0	0	0	0	0
I 504 59050	- Other Vehicles	0	0	0	0	0	0	0
I 504 59080	- Communication System	0	0	0	0	0	0	0
I 504 59100	- Miscellaneous	0	0	0	0	0	0	0
	Total Capital Outlay	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	TOTAL SANITATION DEPARTMENT	139,205	145,792	156,114	155,564	117,932	155,236	157,739

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
GENERAL FUND (01)

ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(---------- 2018 - 2019 ----------) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
	FIRE DEPARTMENT							
	SALARIES and WAGES							
I 505 51010	- Salary - Supervision	0	0	0	0	0	0	0
I 505 51020	- Salary - Skilled Labor	0	0	0	0	0	0	0
I 505 51030	- Labor Operations - Fire	0	0	0	0	0	0	0
I 505 51040	- Salary - Extra Help - Fire	54,996	70,944	58,267	68,115	46,853	61,839	67,587
I 505 51050	- Volunteer Firemen	13,538	0	14,754	15,000	15,072	15,072	16,000
	Total Salaries and Wages	**68,534**	**70,944**	**73,021**	**83,115**	**61,925**	**76,911**	**83,587**
	SUPPLIES							
I 505 52010	- Office Supplies	0	0	0	0	0	0	0
I 505 52020	- Fuel Supplies	1,961	3,702	5,624	5,000	1,628	2,191	5,000
I 505 52040	- Wearing Apparel	1,389	0	0	0	0	0	0
I 505 52050	- Motor Vehicle Supplies	893	2,756	159	1,000	0	1,000	1,000
I 505 52060	- Minor Apparatus & Tools	0	0	0	0	0	0	0
I 505 52070	- Laundry & Cleaning	0	0	0	0	0	0	0
I 505 52110	- Other Supplies	2,361	3,135	1,412	3,200	1,809	3,200	3,200
	Total Supplies	**6,604**	**9,593**	**7,194**	**9,200**	**3,437**	**6,391**	**9,200**
	CONTRACTUAL							
I 505 53010	- Communication	1,197	864	1,082	1,200	2,095	2,204	3,804
I 505 53020	Car Allowance	0	0	0	0	0	0	0
I 505 53030	- Insurance & Bonds	2,412	6,753	6,958	7,000	6,720	6,720	7,000
I 505 53060	- Traveling Expenses	1,556	0	0	1,500	1,828	1,828	2,000
I 505 53070	- Publications	0	0	0	0	0	0	0
I 505 53080	- Utilities	663	445	473	750	278	475	750
I 505 53090	- Freight & Express	0	0	0	0	0	0	0
I 505 53110	- Associations	885	705	825	1,000	1,450	1,450	1,000
I 505 53130	- Postage	0	0	0	0	0	0	0
I 505 53150	- Training	0	0	0	1,000	1,090	1,090	1,200
I 505 53170	- Miscellaneous	2,335	184	849	600	253	600	600
I 505 53180	- Equipment Rental	0	0	0	0	0	0	0
	Total Contractual	**9,048**	**8,952**	**10,186**	**13,050**	**13,713**	**14,367**	**16,354**
	MAINTENANCE - BUILDING STRUCTURES, ETC.							
I 505 54010	- Buildings & Grounds	90	0	0	3,850	0	0	3,850
I 505 54140	Other	0	0	0	0	0	0	0
	Total Maintenance - Building Structures, Etc.	**90**	**0**	**0**	**3,850**	**0**	**0**	**3,850**
	MAINTENANCE - EQUIPMENT							
I 505 55010	- Furniture & Fixtures	0	0	0	0	0	0	0
I 505 55020	- Machinery, Tools & Equipment	5,014	1,672	162	1,000	2,102	2,102	1,000
I 505 55030	- Instruments & Apparatus	0	0	0	0	0	0	0
I 505 55040	- Motor Vehicle	5,989	19,047	6,430	20,000	4,684	8,530	10,000
I 505 55070	- Miscellaneous	0	0	0	0	0	0	0
	Total Maintenance - Equipment	**11,002**	**20,719**	**6,592**	**21,000**	**6,786**	**10,632**	**11,000**

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
GENERAL FUND (01)

	ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(---------- 2018 - 2019 ----------) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
		SUNDRY CHARGES							
I	505 56010	- Contributions & Gratuities	180	180	180	200	135	135	200
I	505 56040	- Social Security Taxes	4,127	4,278	4,426	4,660	3,492	4,500	4,620
I	505 56050	- TMRS & Pension	10,800	14,265	8,513	16,000	6,541	13,600	16,000
I	505 56070	Auditing	556	588	588	625	588	588	670
I	505 56090	- Insurance - Employees	0	0	0	0	0	0	0
I	505 56110	- Workers Compensation	96	126	220	244	104	244	241
I	505 56120	- Unemployment	517	331	573	810	454	494	684
I	505 56140	Vacation Leave	0	0	0	0	0	0	0
I	505 56150	Sick Leave	0	0	0	0	0	0	0
		Total Sundry Charges	**16,276**	**19,769**	**14,500**	**22,539**	**11,315**	**19,561**	**22,415**
		CAPITAL OUTLAY							
I	505 57010	- Land Purchased	0	0	0	0	0	0	0
I	505 57020	- Land Improvements	0	0	0	0	0	0	0
I	505 58010	- Buildings	0	0	0	0	0	0	0
I	505 58150	- Other	0	0	0	0	0	0	0
I	505 59010	- Furniture & Fixtures	0	0	0	0	0	0	0
I	505 59020	- Machinery, Tools & Implements	0	0	0	0	0	0	0
I	505 59030	- Instruments & Apparatus	0	0	0	0	0	0	0
I	505 59040	- Motor Vehicle	0	0	0	0	0	0	0
I	505 59050	- Other Vehicles	0	0	0	0	0	0	0
I	505 59060	- Fire Hose	0	0	0	0	0	0	0
I	505 59080	- Communication System	0	0	0	0	0	0	0
I	505 59100	- Miscellaneous	0	0	0	0	0	0	0
		Total Capital Outlay	**0**	**0**	**0**	**0**	**0**	**0**	**0**
		TOTAL FIRE DEPARTMENT	111,554	129,976	111,492	152,753	97,175	127,862	146,407

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
GENERAL FUND (01)

	ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(---------- 2018 - 2019 ----------) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
		POLICE DEPARTMENT							
		SALARIES and WAGES							
I	506 51010	- Salary - Supervision - Police	59,513	61,309	62,488	66,915	51,560	66,702	68,730
I	506 51020	- Salary - Skilled Labor - Police	23,607	22,114	23,523	27,581	21,175	27,415	30,210
I	506 51030	- Labor Operations - Police	248,812	241,796	255,442	281,428	214,988	273,848	298,872
I	506 51040	- Salary - Extra Help	3,341	17,875	3,380	2,164	2,753	3,143	2,549
I	506 51060	- Salary - Code Enforcement	0	0	0	50,000	0	0	25,000
		Total Salaries and Wages	**335,272**	**343,094**	**344,833**	**428,088**	**290,476**	**371,108**	**425,362**
		SUPPLIES							
I	506 52010	- Office Supplies	2,211	2,810	2,414	3,300	2,458	2,518	3,000
I	506 52020	- Fuel Supplies	14,300	12,594	11,344	17,250	5,885	9,346	11,500
I	506 52040	- Wearing Apparel	2,064	666	932	1,500	195	620	1,200
I	506 52050	- Motor Vehicle Supplies	1,382	420	2,397	2,000	2	1,716	2,000
I	506 52060	- Minor Apparatus & Tools	1,339	1,936	1,995	2,000	50	1,762	2,000
I	506 52070	- Laundry & Cleaning	350	350	0	350	350	700	350
I	506 52080	- Chemical, Medical, Surgical	0	0	0	0	0	0	0
I	506 52090	- Mechanical	0	0	0	0	0	0	0
I	506 52110	- Other Supplies	0	100	0	0	0	0	0
		Total Supplies	**21,646**	**18,876**	**19,082**	**26,400**	**8,940**	**16,662**	**20,050**
		CONTRACTUAL							
I	506 53010	- Communication	7,800	7,313	6,908	7,000	4,958	6,336	7,000
I	506 53030	- Insurance & Bonds	5,055	4,986	5,130	5,350	5,333	5,333	5,350
I	506 53050	- Court Costs (Attorney)	0	0	0	0	0	0	0
I	506 53060	- Traveling Expenses	348	1,507	1,339	1,500	1,457	1,500	1,500
I	506 53070	- Publications	651	0	282	500	0	500	500
I	506 53080	- Utilities	6,666	7,715	6,664	8,000	3,995	5,316	8,000
I	506 53090	- Freight & Express	0	0	0	0	0	0	0
I	506 53110	- Associations	0	0	0	0	0	0	0
I	506 53130	- Postage	98	0	0	0	0	0	0
I	506 53140	- Intergovernmental Contracts	7,336	6,390	2,468	6,000	5,436	6,000	6,000
I	506 53150	- Training	246	0	60	1,500	0	100	1,500
I	506 53160	Promotions & Advertising	0	0	0	0	0	0	0
I	506 53170	- Miscellaneous	899	1,891	771	1,100	149	1,100	1,100
I	506 53171	Mowing Contract	990	451	1,170	1,135	780	1,135	1,135
I	506 53180	- Equipment Rental	2,616	2,798	2,489	3,000	2,444	3,152	3,000
		Total Contractual	**32,704**	**33,051**	**27,281**	**35,085**	**24,553**	**30,472**	**35,085**
		MAINTENANCE - BUILDING STRUCTURES, ETC.							
I	506 54010	- Buildings & Grounds	362	736	2,204	2,500	656	1,500	500
I	506 54015	Building Security	0	0	0	700	0	700	700
I	506 54140	- Other	0	0	0	700	0	700	700
		Total Maintenance - Building Structures, Etc.	**362**	**736**	**2,204**	**3,900**	**656**	**2,900**	**1,900**
		MAINTENANCE - EQUIPMENT							
I	506 55010	- Furniture & Fixtures	0	0	0	0	0	0	0
I	506 55020	- Machinery, Tools & Equipment	1,557	1,763	1,274	1,800	728	1,800	1,800
I	506 55030	- Instruments & Apparatus	0	0	0	0	0	0	0
I	506 55040	- Motor Vehicle	7,428	6,020	5,282	6,000	4,456	5,300	6,000

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
GENERAL FUND (01)

	ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	PROPOSED BUDGET
			(---------- 2018 - 2019 ----------)						2019 - 2020
I	506 55050	- Signals & Markers	0	0	0	0	0	0	0
I	506 55070	- Miscellaneous	0	2,525	2,232	2,500	981	1,500	2,500
		Total Maintenance - Equipment	**8,985**	**10,308**	**8,788**	**10,300**	**6,165**	**8,600**	**10,300**
		SUNDRY CHARGES							
I	506 56040	- Social Security Taxes	25,648	26,247	26,744	28,925	22,242	28,440	30,628
I	506 56050	- TMRS & Pension	36,395	36,849	39,361	37,893	30,311	37,197	47,737
I	506 56070	Audit	556	588	588	625	588	588	670
I	506 56090	- Insurance - Employees	53,430	63,668	62,642	72,480	50,897	67,170	72,672
I	506 56110	- Workers Compensation	8,039	10,476	17,773	20,395	8,785	11,713	21,546
I	506 56120	- Unemployment	1,492	36	1,215	1,335	1,436	1,436	1,416
I	506 56140	Vacation Leave	0	0	0	0	0	0	0
I	506 56150	Sick Leave	0	0	0	0	0	0	0
		Total Sundry Charges	**125,561**	**137,863**	**148,323**	**161,653**	**114,258**	**146,544**	**174,669**
		CAPITAL OUTLAY							
I	506 57010	- Land Purchased	0	0	0	0	0	0	0
I	506 57020	- Land Improvements	0	0	0	0	0	0	0
I	506 58320	Police Department Assest Forfeiture	0	0	0	0	0	0	0
I	506 59010	- Furniture & Fixtures	0	0	0	0	0	0	0
I	506 59020	- Machinery, Tools & Implements	0	0	13,982	0	0	0	0
I	506 59030	- Instruments & Apparatus	0	0	0	0	0	0	0
I	506 59040	- Motor Vehicles	0	65,452	30,684	0	0	0	13,709
I	506 59050	- Other Vehicles	2,200	0	0	0	0	0	0
I	506 59055	Body Camera - New Line	0	0	0	5,000	3,010	3,010	0
I	506 59056	Bullett Proof Vest	0	0	0	4,600	4,064	4,064	0
I	506 59070	- Signals & Markers	0	0	0	0	0	0	0
I	506 59080	- Communication System	5,981	6,268	6,268	6,300	6,569	6,569	6,900
I	506 59090	- Books	0	0	0	0	0	0	0
I	506 59100	- Miscellaneous	0	0	0	0	0	0	0
		Total Capital Outlay	**8,181**	**71,720**	**50,934**	**15,900**	**13,643**	**13,643**	**20,609**
		TOTAL POLICE DEPARTMENT	**532,712**	**615,648**	**601,444**	**681,326**	**458,691**	**589,929**	**687,975**

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
GENERAL FUND (01)

	ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(---------- 2018 - 2019 ----------) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
		CORPORATION COURT							
		SALARIES and WAGES							
I	507 51010	- Salary - Supervision - Court	13,015	13,535	13,796	14,212	11,149	14,749	18,512
I	507 51020	- Salary - Skilled Labor - Court	24,621	25,425	25,176	28,408	14,401	14,401	0
I	507 51030	- Labor Operations - Court	0	0	0	0	0	0	0
I	507 51040	- Salary - Extra Help - Court	0	0	0	0	0	0	0
		Total Salaries and Wages	**37,636**	**38,961**	**38,971**	**42,621**	**25,549**	**29,149**	**18,512**
		SUPPLIES							
I	507 52010	- Office Supplies	229	25	300	300	68	200	300
I	507 52110	- Other Supplies	946	749	1,048	1,000	222	1,000	1,000
		Total Supplies	**1,174**	**774**	**1,348**	**1,300**	**289**	**1,200**	**1,300**
		CONTRACTUAL							
I	507 53030	- Insurance & Bonds	862	864	876	900	819	819	900
I	507 53050	- Court Costs (Attorney)	30,936	27,852	31,163	35,000	31,774	39,561	35,000
I	507 53060	- Traveling Expenses	1,089	0	324	1,000	0	0	1,000
I	507 53070	- Publications	36	36	36	75	26	26	75
I	507 53080	- Utilities	0	0	0	0	0	0	0
I	507 53090	- Freight & Express	0	0	0	0	0	0	0
I	507 53110	- Associations	60	60	0	75	0	75	75
I	507 53130	- Postage	0	0	0	0	0	0	0
I	507 53150	- Training	400	300	400	500	0	0	500
I	507 53170	- Miscellaneous	20	20	490	500	0	0	500
		Total Contractual	**33,403**	**29,132**	**33,288**	**38,050**	**32,619**	**40,481**	**38,050**
		MAINTENANCE - EQUIPMENT							
I	507 55020	Machinery, Tools & Equipment	0	0	0	0	0	0	0
		Total Maintenance - Equipment	**0**	**0**	**0**	**0**	**0**	**0**	**0**
		SUNDRY CHARGES							
	507 56040	- Social Security Taxes	2,879	2,981	3,022	3,260	1,955	2,228	1,416
	507 56050	- TMRS & Pension	2,744	2,755	2,903	2,864	1,571	1,571	0
I	507 56070	Audit	556	588	588	625	588	588	670
I	507 56090	- Insurance - Employees	6,897	7,778	7,597	9,060	4,193	4,193	0
I	507 56110	- Workers Compensation	67	80	150	170	63	170	74
I	507 56120	- Unemployment	296	64	275	324	46	135	171
I	507 56140	Vacation Leave	0	0	0	0	0	0	0
I	507 56150	Sick Leave	0	0	0	0	0	0	0
		Total Sundry Charges	**13,439**	**14,246**	**14,535**	**16,303**	**8,417**	**8,885**	**2,331**
		CAPITAL OUTLAY							
I	507 57010	- Land Purchased	0	0	0	0	0	0	0
I	507 57020	- Land Improvements	0	0	0	0	0	0	0
I	507 58010	- Buildings	0	0	0	0	0	0	0
I	507 58150	- Other	0	0	0	0	0	0	0
I	507 59010	- Furniture & Fixtures	0	0	0	0	0	0	0
I	507 59040	- Motor Vehicles	0	0	0	0	0	0	0
I	507 59050	- Motor Vehicles	0	0	0	0	0	0	0
I	507 59080	- Communication System	0	0	0	0	0	0	0
I	507 59090	- Books	0	0	0	0	0	0	0

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
GENERAL FUND (01)

ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(2018 - 2019) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
1 507 59100	- Miscellaneous	0	0	0	0	0	0	0
	Total Capital Outlay	0	0	0	0	0	0	0
	TOTAL CORPORATION COURT	85,651	83,111	88,142	98,274	66,874	79,715	60,193

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
GENERAL FUND (01)

	ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(---------- 2018 - 2019 ----------) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
		MUNICIPAL BUILDING DEPARTMENT							
		SALARIES and WAGES							
I	508 51010	- Salary - Supervision - Municipal Bldg.	0	0	0	0	0	0	0
I	508 51020	- Salary - Skilled Labor - Municipal Bldg.	0	0	0	0	0	0	0
I	508 51030	- Labor Operations - Mun. Building	0	0	0	0	0	0	0
I	508 51040	- Salary - Extra Help - Municipal Bldg.	9,301	3,796	1,392	8,837	1,021	1,303	2,797
		Total Salaries and Wages	**9,301**	**3,796**	**1,392**	**8,837**	**1,021**	**1,303**	**2,797**
		SUPPLIES							
I	508 52010	- Office Supplies	0	0	0	0	0	0	0
I	508 52020	- Fuel	0	0	0	0	0	0	0
I	508 52070	- Laundry & Cleaning	452	516	0	0	0	0	0
I	508 52110	- Other Supplies	908	687	1,630	1,800	869	1,019	1,800
		Total Supplies	**1,360**	**1,204**	**1,630**	**1,800**	**869**	**1,019**	**1,800**
		CONTRACTUAL							
I	508 53010	- Communication	0	0	0	0	0	0	0
I	508 53030	- Insurance & Bonds	170	170	159	180	164	164	180
I	508 53060	- Traveling Expenses	0	0	0	0	0	0	0
I	508 53070	- Publications	0	0	0	0	0	0	0
I	508 53080	- Utilities	0	0	0	0	0	0	0
I	508 53090	- Freight & Express	0	0	0	0	0	0	0
I	508 53150	- Training	0	0	200	0	0	0	0
I	508 53170	- Miscellaneous	566	1,487	312	1,200	498	573	1,200
I	508 53171	Mowing Contract	1,930	675	1,710	1,796	1,140	1,710	1,796
I	508 53180	- Equipment Rental	0	0	0	0	0	0	0
		Total Contractual	**2,666**	**2,331**	**2,382**	**3,176**	**1,802**	**2,447**	**3,176**
		MAINTENANCE - BUILDING STRUCTURES, ETC.							
I	508 54010	- Buildings & Grounds	1,567	1,258	5,056	5,000	2,634	2,634	10,000
		Total Maintenance - Building Structures, Etc.	**1,567**	**1,258**	**5,056**	**5,000**	**2,634**	**2,634**	**10,000**
		MAINTENANCE - EQUIPMENT							
I	508 55010	- Furniture & Fixtures	0	0	0	0	0	0	0
I	508 55020	- Machinery, Tools & Equipment	0	0	0	0	0	0	0
I	508 55070	- Miscellaneous	0	0	0	0	0	0	0
		Total Maintenance - Equipment	**0**	**0**	**0**	**0**	**0**	**0**	**0**
		SUNDRY CHARGES							
I	508 56040	- Social Security Taxes	711	290	69	676	78	88	199
I	508 56050	- TMRS & Pension	0	0	0	0	62	62	0
I	508 56070	Audit	556	588	588	625	588	588	670
I	508 56090	- Insurance - Employees	0	0	0	0	0	0	0
I	508 56110	- Workers Compensation	384	266	122	628	88	125	214
I	508 56120	- Unemployment	99	62	5	159	14	90	53
I	508 56140	Vacation Leave	0	0	0	0	0	0	0
I	508 56150	Sick Leave	0	0	0	0	0	0	0
		Total Sundry Charges	**1,750**	**1,207**	**784**	**2,088**	**830**	**953**	**1,136**
		CAPITAL OUTLAY							
I	508 57010	- Land Purchased	0	0	0	0	0	0	0
I	508 57020	- Land Improvements	0	0	0	0	0	0	0

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
GENERAL FUND (01)

ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(---------- 2018 - 2019 ----------) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
1 508 58010	- Buildings	0	0	0	0	0	0	0
1 508 58150	- Other	0	0	0	0	0	0	0
1 508 59010	- Furniture & Fixtures	0	0	210	0	0	0	0
1 508 59020	- Machinery, Tools & Implements	0	0	0	0	0	0	0
1 508 59080	- Communication System	0	0	0	0	0	0	0
1 508 59100	- Miscellaneous	0	0	0	0	0	0	0
	Total Capital Outlay	**0**	**0**	**210**	**0**	**0**	**0**	**0**
	Total Municipal Building Department	**16,645**	**9,796**	**11,453**	**20,901**	**7,156**	**8,356**	**18,908**

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
GENERAL FUND (01)

	ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(---------- 2018 - 2019 ----------) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
		LIBRARY DEPARTMENT							
		SALARIES and WAGES							
I	509 51010	- Salary - Supervision - Library	30,588	32,541	33,167	34,518	34,441	33,165	35,468
I	509 51020	- Salary - Skilled Labor - Library	22,403	31,223	20,285	24,459	17,507	22,637	23,527
I	509 51030	- Labor Operations - Library	3,252	0	83	0	0	200	0
I	509 51040	- Salary - Extra Help - Library	22,271	33,112	32,177	41,258	24,287	31,264	39,111
		Total Salaries and Wages	**78,513**	**96,876**	**85,712**	**100,236**	**76,235**	**87,266**	**98,106**
		SUPPLIES							
I	509 52010	- Office Supplies	933	515	275	1,000	657	800	1,000
I	509 52070	- Laundry & Cleaning	0	0	0	0	0	0	0
I	509 52110	- Other Supplies	1,106	1,674	2,200	800	62	200	800
		Total Supplies	**2,038**	**2,189**	**2,475**	**1,800**	**719**	**1,000**	**1,800**
		CONTRACTUAL							
I	509 53010	- Communication	3,148	4,160	4,315	5,000	3,979	5,741	5,500
I	509 53030	- Insurance & Bonds	1,443	1,259	1,292	1,525	1,284	1,284	1,525
I	509 53060	- Traveling Expenses	706	918	766	1,300	0	1,216	1,300
I	509 53070	Publications	0	0	0	0	0	0	0
I	509 53080	- Utilities	4,807	5,653	5,360	5,500	3,817	5,100	5,500
I	509 53090	- Freight & Express	0	0	0	0	0	0	0
I	509 53110	- Associations	278	279	297	350	296	296	350
I	509 53121	Lease - Books, Etc.	0	0	0	0	0	0	0
I	509 53130	Postage	0	0	69	0	0	0	0
I	509 53150	- Training	0	0	0	0	0	0	0
I	509 53160	- Promotions & Advertising	228	262	288	50	96	96	100
I	509 53170	- Miscellaneous	200	965	200	400	0	400	400
I	509 53171	Mowing Contract	1,405	593	1,530	1,512	1,020	1,530	1,512
I	509 53180	- Equipment Rental	1,755	2,064	1,624	1,600	1,030	1,374	1,700
I	509 53190	- Building Lease	0	0	0	0	0	0	0
I	509 53210	- Lease - Books, Etc.	3,021	4,245	2,014	3,000	2,867	3,000	3,000
		Total Contractual	**16,991**	**20,399**	**17,755**	**20,237**	**14,390**	**20,037**	**20,887**
		MAINTENANCE - BUILDING STRUCTURES, ETC.							
I	509 54010	- Buildings & Grounds	1,679	2,669	3,514	3,200	1,453	1,700	3,200
		Total Maintenance - Building Structures, Etc.	**1,679**	**2,669**	**3,514**	**3,200**	**1,453**	**1,700**	**3,200**
		MAINTENANCE - EQUIPMENT							
I	509 55010	- Furniture & Fixtures	895	895	895	0	0	0	0
I	509 55020	- Computers	443	699	914	700	935	935	1,300
I	509 55040	- Motor Vehicle	0	0	0	0	0	0	0
I	509 55070	- Miscellaneous	0	0	0	0	0	0	0
I	509 55090	Computer	1,146	0	0	1,150	0	1,150	1,150
		Total Maintenance - Equipment	**2,484**	**1,594**	**1,809**	**1,850**	**935**	**2,085**	**2,450**
		SUNDRY CHARGES							
I	509 56010	Contributions & Gratuities	0	0	0	0	0	0	0
I	509 56040	- Social Security Taxes	6,079	7,398	6,621	7,668	5,235	6,000	7,505
I	509 56050	- TMRS & Pension	6,294	7,138	6,267	5,944	4,659	5,214	7,079
I	509 56070	Audit	556	588	588	625	588	588	670
I	509 56090	- Insurance - Employees	13,794	16,121	14,972	18,120	12,328	14,300	18,168

PROJECTED BUDGET WORKSHEET
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GENERAL FUND (01)

ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(---------- 2018 - 2019 ----------) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
I 509 56110	- Workers Compensation	163	224	419	588	185	247	547
I 509 56120	- Unemployment	517	222	1,227	842	608	842	880
I 509 56140	Vacation Leave	0	0	0	0	0	0	0
I 509 56150	Sick Leave	0	0	0	0	0	0	0
	Total Sundry Charges	**27,403**	**31,692**	**30,093**	**33,787**	**23,602**	**27,191**	**34,849**
	CAPITAL OUTLAY							
I 509 57010	- Land Purchased	0	0	0	0	0	0	0
I 509 57020	- Land Improvements	0	0	0	0	0	0	0
I 509 58010	- Buildings	0	0	0	0	0	0	0
I 509 58350	Library Memorial Account	0	0	0	0	0	0	0
I 509 58360	Library Special Account	0	0	0	0	0	0	0
I 509 59010	- Furniture & Fixtures	314	0	0	0	0	0	0
I 509 59040	- Motor Vehicles	0	0	0	0	0	0	0
I 509 59050	- Other Vehicles	0	0	0	0	0	0	0
I 509 59080	- Communication System	0	0	0	0	0	0	0
I 509 59090	- Books	2,896	3,757	4,796	3,000	2,816	3,000	3,000
I 509 59100	- Miscellaneous	0	0	0	0	0	0	0
	Total Capital Outlay	**3,210**	**3,757**	**4,796**	**3,000**	**2,816**	**3,000**	**3,000**
	TOTAL LIBRARY DEPARTMENT	**132,317**	**159,175**	**146,153**	**164,108**	**120,150**	**142,278**	**164,291**

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
GENERAL FUND (01)

						(---------- 2018 - 2019 ----------)		2019 - 2020
ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	PROPOSED BUDGET
	MULTI-PURPOSE COMPLEX (SR. CITIZEN CENTER)							
	SALARIES and WAGES							
I 510 51010	- Salary - Supervision - Multi-Purpose Complex	0	0	0	0	0	0	0
I 510 51020	- Salary - Skilled Labor - Multi-Purpose Complex	0	0	0	0	0	0	0
I 510 51030	- Labor Operations - Multi-Purpoes Complex	0	0	0	0	0	0	0
I 510 51040	- Salary - Extra Help - Multi-Purpose Complex	0	1,050	329	250	149	250	656
	Total Salaries and Wages	**0**	**1,050**	**329**	**250**	**149**	**250**	**656**
	SUPPLIES							
I 510 52050	- Motor Vehicle Supplies	0	0	0	0	0	0	0
I 510 52070	- Laundry & Cleaning	0	0	0	0	0	0	0
I 510 52110	- Other Supplies	5	25	58	500	17	100	500
	Total Supplies	**5**	**25**	**58**	**500**	**17**	**100**	**500**
	CONTRACTUAL							
I 510 53010	- Communication	1,017	1,238	828	950	0	0	950
I 510 53030	- Insurance & Bonds	74	73	81	90	74	74	90
I 510 53060	- Traveling Expenses	0	0	0	0	0	0	0
I 510 53080	- Utilities	2,153	1,475	1,492	2,000	1,317	1,437	2,000
I 510 53090	- Freight & Express	0	0	0	0	0	0	0
I 510 53150	- Training	0	0	0	0	0	0	0
I 510 53170	- Miscellaneous	0	765	0	425	0	0	425
I 510 53171	Mowing Contract	1,435	604	1,530	1,607	1,020	1,530	1,607
	Total Contractual	**4,679**	**4,154**	**3,931**	**5,072**	**2,410**	**3,041**	**5,072**
	MAINTENANCE - BUILDING STRUCTURES, ETC.							
I 510 54010	- Buildings & Grounds	1,196	851	1,162	3,000	13,462	13,657	3,000
	Total Maintenance -Building Structures, Etc	**1,196**	**851**	**1,162**	**3,000**	**13,462**	**13,657**	**3,000**
	MAINTENANCE - EQUIPMENT							
I 510 55020	- Machinery, Tools & Equipment	0	0	0	0	0	0	0
I 510 55040	- Motor Vehicle	0	0	0	0	0	0	0
	Total Maintenance - Equipment	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	SUNDRY CHARGES							
I 510 56040	- Social Security Taxes	0	0	4	0	0	0	50
I 510 56050	- TMRS & Pension	0	0	0	0	0	0	0
I 510 56070	Audit	276	588	588	625	588	588	670
I 510 56090	- Insurance - Employees	0	0	0	0	0	0	0
I 510 56100	- Miscellaneous	0	0	0	0	0	0	0
I 510 56110	- Workers Compensation	0	0	0	0	0	0	93
I 510 56120	- Unemployment	0	0	0	0	0	0	24
I 510 56140	Vacation Leave	0	0	0	0	0	0	0
I 510 56150	Sick Leave	0	0	0	0	0	0	0
	Total Sundry Charges	**276**	**588**	**592**	**625**	**588**	**588**	**837**
	CAPITAL OUTLAY							
I 510 57010	- Land Purchased	0	0	0	0	0	0	0
I 510 57020	- Land Improvements	0	0	0	0	0	0	0
I 510 58010	- Buildings	0	0	0	0	0	0	0
I 510 59010	Furniture & Fixtures	0	0	0	0	0	0	0
I 510 59020	- Machinery, Tools & Implements	0	0	0	0	0	0	0

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
GENERAL FUND (01)

ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(---------- 2018 - 2019 ----------) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
I 510 59030	- Instruments & Apparatus	0	0	0	0	0	0	0
I 510 59040	- Motor Vehicles	0	0	0	0	0	0	0
I 510 59050	- Other Vehicles	0	0	0	0	0	0	0
I 510 59070	- Signals & Markers	0	0	0	0	0	0	0
I 510 59080	- Communication System	0	0	0	0	0	0	0
I 510 59090	- Books	0	0	0	0	0	0	0
I 510 59100	- Miscellaneous	0	0	0	0	0	0	0
	Total Capital Outlay	0	0	0	0	0	0	0
	TOTAL MULTI-PURPOSE COMPLEX	6,155	6,668	6,070	9,447	16,627	17,636	10,064

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
GENERAL FUND (01)

						(---------- 2018 - 2019 ----------)		2019 - 2020
ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	PROPOSED BUDGET
	MISSION DELORES							
	SALARIES and WAGES							
I 511 51010	- Salary - Supervision - M.D. & R.V. Park	0	0	0	0	0	0	0
I 511 51020	- Salary - Skilled Labor - M.D & RV Park	0	0	0	0	0	0	0
I 511 51030	- Labor Operations - M.D. & RV Park	0	0	0	0	0	0	0
I 511 51040	- Salary - Extra Help - Mission Delores & RV Park	17,994	0	0	0	0	0	0
	Total Salaries and Wages	**17,994**	**0**	**0**	**0**	**0**	**0**	**0**
	SUPPLIES							
I 511 52010	- Office Supplies	0	0	0	0	0	0	0
I 511 52020	- Fuel	0	0	0	0	0	0	0
I 511 52040	- Wearing Apparel	0	0	0	0	0	0	0
I 511 52050	- Motor Vehicle Supplies	0	0	0	0	0	0	0
I 511 52060	- Minor Apparatus & Tools	0	0	0	0	0	0	0
I 511 52070	- Laundry & Cleaning	0	0	0	0	0	0	0
I 511 52110	- Other Supplies	302	0	0	0	0	0	0
	Total Supplies	**302**	**0**	**0**	**0**	**0**	**0**	**0**
	CONTRACTUAL							
I 511 53010	- Communication	1,987	139	0	0	68	69	0
I 511 53030	- Insurance & Bonds	342	465	319	475	137	137	475
I 511 53060	- Traveling Expenses	0	0	0	0	0	0	0
I 511 53070	- Publications	0	0	0	0	0	0	0
I 511 53080	- Utilities	11,621	0	0	0	0	0	0
I 511 53090	- Freight & Express	0	0	0	0	0	0	0
I 511 53110	- Associations	0	0	0	0	0	0	0
I 511 53130	- Postage	0	0	0	0	0	0	0
I 511 53150	- Training	0	0	0	0	0	0	0
I 511 53160	- Promotions & Advertising	0	0	0	0	0	0	0
I 511 53170	- Miscellaneous	0	58,742	35,554	17,005	13,912	17,004	0
I 511 53171	Mowing Contract	7,225	0	0	0	0	0	0
	Total Contractual	**21,174**	**59,345**	**35,873**	**17,480**	**14,118**	**17,210**	**475**
	MAINTENANCE - BUILDING STRUCTURES, ETC.							
I 511 54010	- Buildings & Grounds	106	0	0	0	0	0	0
I 511 54140	- Other	0	0	0	0	0	0	0
	Total Maintenance - Building Structures, Etc.	**106**	**0**	**0**	**0**	**0**	**0**	**0**
	MAINTENANCE - EQUIPMENT							
I 511 55010	- Furniture & Fixtures	0	0	0	0	0	0	0
I 511 55020	- Machinery, Tools & Equipment	0	0	0	0	0	0	0
I 511 55040	- Motor Vehicle	0	0	0	0	0	0	0
	Total Maintenance - Equipment	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	SUNDRY CHARGES							
I 511 56040	- Social Security Taxes	1,377	0	0	0	0	0	0
I 511 56050	- TMRS & Pension	0	0	0	0	0	0	0
I 511 56070	Audit	276	0	588	0	0	0	0
I 511 56090	- Insurance - Employees	0	0	0	0	0	0	0
I 511 56110	- Workers Compensation	0	0	0	0	0	0	0
I 511 56120	- Unemployment	104	0	0	0	0	0	0

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
GENERAL FUND (01)

ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(2018 - 2019) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
I 511 56140	Vacation Leave	0	0	0	0	0	0	0
I 511 56150	Sick Leave	0	0	0	0	0	0	0
	Total Sundry Charges	**1,757**	**0**	**588**	**0**	**0**	**0**	**0**
	CAPITAL OUTLAY							
I 511 57010	- Land Purchased	0	0	0	0	0	0	0
I 511 57020	- Land Improvements	0	0	0	0	0	0	0
I 511 58010	- Buildings	0	0	0	0	0	0	0
I 511 59010	- Furniture & Fixtures	0	0	0	0	0	0	0
I 511 59020	- Machinery, Tools & Implements	0	0	0	0	0	0	0
I 511 59100	- Miscellaneous	0	0	0	0	0	0	0
	Total Capital Outlay	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	TOTAL MISSION DELORES and R.V. PARK	41,334	59,345	36,461	17,480	14,118	17,210	475

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
GENERAL FUND (01)

ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(---------- 2018 - 2019 ----------) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
	EL CAMINO TOURIST INFORMATION CENTER							
	SALARIES and WAGES							
I 512 50690	El Camino Information Center	0	0	0	0	0	0	0
I 512 51010	Salary - Supervision	0	0	0	0	0	0	0
I 512 51020	Salary - Skilled Labor	0	0	0	0	0	0	0
I 512 51030	Labor Operations	0	0	0	0	0	0	
I 512 51040	Salary - Extra Help	10451	0	0	0	0	0	0
	Total Salaries and Wages	**10451**	**0**	**0**	**0**	**0**	**0**	**0**
	SUPPLIES							
I 512 52010	Office Supplies	34	0	0	0	0	0	0
I 512 52020	Fuel	0	0	0	0	0	0	0
I 512 52040	Wearing Apparel	0	0	0	0	0	0	0
I 512 52070	Laundry & Cleaning	0	0	0	0	0	0	0
I 512 52110	Other Supplies	40	140	0	0	0	0	0
	Total Supplies	**74**	**140**	**0**	**0**	**0**	**0**	**0**
	CONTRACTUAL							
I 512 53010	Communication	621	39	0	0	0	0	0
I 512 53030	Insurance & Bonds	209	0	0	0	0	0	0
I 512 53060	Traveling Expenses	0	0	0	0	0	0	0
I 512 53070	Publications	0	0	0	0	0	0	0
I 512 53080	Utilities	997	57	0	0	0	0	0
I 512 53110	Associations	0	0	0	0	0	0	0
I 512 53130	Postage	0	0	0	0	0	0	0
I 512 53170	Miscellaneous	0	0	0	0	0	0	0
I 512 53180	Equipment Rental	0	0	0	0	0	0	0
	Total Contractual	**1826**	**96**	**0**	**0**	**0**	**0**	**0**
	MAINTENANCE - BUILDING STRUCTURES, ETC.							
I 512 54010	Buildings & Grounds	741	0	0	0	0	0	0
I 512 54140	Other	0	0	0	0	0	0	0
	Total Maintenance - Building Structures, Etc.	**741**	**0**	**0**	**0**	**0**	**0**	**0**
	MAINTENANCE - EQUIPMENT							
I 512 55010	Furniture & Fixtures	0	0	0	0	0	0	0
I 512 55020	Machinery, Tools & Equipment	0	0	0	0	0	0	0
I 512 55070	Miscellaneous	0	0	0	0	0	0	0
	Total Maintenance - Equipment	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	SUNDRY CHARGES							
I 512 56010	Contributions & Gratuities	0	0	0	0	0	0	0
I 512 56020	Refunds	0	0	0	0	0	0	0
I 512 56040	Social Security Taxes	800	0	0	0	0	0	0
I 512 56050	TMRS & Pension	0	0	0	0	0	0	0
I 512 56070	Audit	556	0	0	0	0	0	0
I 512 56090	Insurance - Employees	0	0	0	0	0	0	0
I 512 56110	Workers Compensation	49	25	0	0	0	0	0
I 512 56120	Unemployment	159	0	0	0	0	0	0
I 512 56140	Vacation Leave	0	0	0	0	0	0	0
I 512 56150	Sick Leave	0	0	0	0	0	0	0

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
GENERAL FUND (01)

						(---------- 2018 - 2019 ----------)		2019 - 2020
ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	PROPOSED BUDGET
	Total Sundry Charges	1564	25	0	0	0	0	0
	CAPITAL OUTLAY							
1 512 58010	Buildings	0	0	0	0	0	0	0
1 512 59010	Furniture & Fixtures	0	0	0	0	0	0	0
1 512 59100	Miscellaneous	0	0	0	0	0	0	0
	Total Capital Outlay	0	0	0	0	0	0	0
	TOTAL EL CAMINO TOURIST INFORMATION CENTER	14657	261	0	0	0	0	0

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
GENERAL FUND (01)

ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(---------- 2018 - 2019 ----------) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
	MAIN STREET PROJECT DEPARTMENT							
	SALARIES and WAGES							
I 514 51010	Salary - Supervision	0	0	0	0	0	0	0
I 514 51020	Salary - Skilled Labor	0	0	0	0	0	0	0
I 514 51030	Labor Operations	31182	32123	32741	33733	26040	33669	34662
I 514 51040	Salary - Extra Help	0	0	0	0	0	0	0
	Total Salaries and Wages	**31182**	**32123**	**32741**	**33733**	**26040**	**33669**	**34662**
	SUPPLIES							
I 514 52010	Office Supplies	419	457	620	600	370	565	600
I 514 52020	Fuel	0	0	0	0	0	0	0
I 514 52040	Wearing Apparel	0	0	0	0	0	0	0
I 514 52070	Laundry & Cleaning	0	0	0	0	0	0	0
I 514 52110	Other Supplies	0	0	0	0	0	0	0
	Total Supplies	**419**	**457**	**620**	**600**	**370**	**565**	**600**
	CONTRACTUAL							
I 514 53010	Communication	480	480	596	680	714	834	680
I 514 53030	Insurance & Bonds	440	455	467	485	825	825	485
I 514 53060	Traveling Expenses	1551	1252	234	1500	0	400	1500
I 514 53070	Publications	0	0	0	0	0	0	0
I 514 53080	Utilities	0	0	0	0	0	0	0
I 514 53110	Associations	650	615	988	1200	715	715	1200
I 514 53130	Postage	0	0	0	0	0	0	0
I 514 53150	Training	0	0	115	300	100	150	300
I 514 53170	Miscellaneous	1530	42936	775	1000	867	1000	1000
I 514 53180	Equipment Rental	0	0	0	0	0	0	0
	Total Contractual	**4651**	**45738**	**3175**	**5165**	**3221**	**3924**	**5165**
	MAINTENANCE - BUILDING STRUCTURES, ETC.							
I 514 54010	Buildings & Grounds	0	0	0	0	0	0	0
I 514 54140	Other	0	0	0	0	0	0	0
	Total Maintenance - Building Structures, Etc.	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	MAINTENANCE - EQUIPMENT							
I 514 55010	Furniture & Fixtures	0	0	0	0	0	0	0
I 514 55020	Machinery, Tools & Equipment	0	0	0	0	0	0	0
I 514 55070	Miscellaneous	0	0	0	0	0	0	0
	Total Maintenance - Equipment	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	SUNDRY CHARGES							
I 514 56010	Contributions & Gratuities	0	0	0	0	0	0	0
I 514 56020	Refunds	0	0	0	0	0	0	0
I 514 56040	Social Security Taxes	2385	2457	2539	2581	1992	2283	2652
I 514 56050	TMRS & Pension	3419	3484	3774	3400	2748	3076	4159
I 514 56070	Audit	556	588	588	625	588	588	670
I 514 56090	Insurance - Employees	6897	7778	7597	9060	7664	9636	9084
I 514 56110	Workers Compensation	55	73	126	135	60	90	139
I 514 56120	Unemployment	171	9	138	162	160	190	171
I 514 56140	Vacation Leave	0	0	0	0	0	0	0
I 514 56150	Sick Leave	0	0	0	0	0	0	0

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
GENERAL FUND (01)

ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(2018 - 2019) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
	Total Sundry Charges	I3484	I4389	I476I	I5963	I32I2	I5863	I6875
	CAPITAL OUTLAY							
I 514 58010	Buildings	0	0	0	0	0	0	0
I 514 59010	Furniture & Fixtures	0	0	0	0	0	0	0
I 514 59100	Miscellaneous	0	0	0	50000	0	0	50000
	Total Capital Outlay	0	0	0	50000	0	0	50000
	TOTAL MAIN STREET PROJECT DEPARTMENT	49736	92707	5I297	I0546I	42844	5402I	I07302

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
GENERAL FUND (01)

ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(---------- 2018 - 2019 ----------) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
	MULTI-PURPOSE COMPLEX (TOURISM CENTER)							
	SALARIES and WAGES							
I 515 50012	Note Principal -- Log Cabin	0	0	0	0	0	0	0
I 515 50013	Note Interest -- Log Cabin	0	0	0	0	0	0	0
I 515 51010	- Salary - Supervision - Multi-Purpose Complex	0	0	0	0	0	0	0
I 515 51020	- Salary - Skilled Labor - Multi-Purpose Complex	0	0	0	0	0	0	0
I 515 51030	- Labor Operations - Multi-Purpoes Complex	0	0	0	0	0	0	0
I 515 51040	- Salary - Extra Help - Multi-Purpose Complex	2,540	2,400	1,320	1,500	508	680	1,311
	Total Salaries and Wages	**2,540**	**2,400**	**1,320**	**1,500**	**508**	**680**	**1,311**
	SUPPLIES							
I 515 52050	- Motor Vehicle Supplies	0	0	0	0	0	0	0
I 515 52070	- Laundry & Cleaning	0	0	0	0	0	0	0
I 515 52110	- Other Supplies	245	38	281	500	14	285	500
	Total Supplies	**245**	**38**	**281**	**500**	**14**	**285**	**500**
	CONTRACTUAL							
I 515 53010	- Communication	0	0	0	0	0	0	0
I 515 53030	- Insurance & Bonds	111	109	104	111	103	103	111
I 515 53060	- Traveling Expenses	0	0	0	0	0	0	0
I 515 53080	- Utilities	1,873	2,084	2,170	2,000	1,060	1,425	2,000
I 515 53090	- Freight & Express	0	0	0	0	0	0	0
I 515 53150	- Training	0	0	0	0	0	0	0
I 515 53170	- Miscellaneous	0	2,442	0	500	1,905	1,905	500
I 515 53171	-Mowing Contract	4,875	2,348	5,310	4,950	3,540	5,310	4,950
	Total Contractual	**6,859**	**6,982**	**7,584**	**7,561**	**6,609**	**8,743**	**7,561**
	MAINTENANCE - BUILDING STRUCTURES, ETC.							
I 515 54010	- Buildings & Grounds	2,495	1,619	2,787	3,000	3,953	3,953	3,000
	Total Maintenance -Building Structures, Etc	**2,495**	**1,619**	**2,787**	**3,000**	**3,953**	**3,953**	**3,000**
	MAINTENANCE - EQUIPMENT							
I 515 55020	- Machinery, Tools & Equipment	0	0	0	0	0	0	0
I 515 55040	- Motor Vehicle	0	0	0	0	0	0	0
	Total Maintenance - Equipment	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	SUNDRY CHARGES							
I 515 56040	- Social Security Taxes	0	0	5	0	39	42	100
I 515 56050	- TMRS & Pension	0	0	0	0	0	0	0
I 515 56070	Audit	276	588	0	625	588	588	670
I 515 56090	- Insurance - Employees	0	0	0	0	8	0	0
I 515 56100	- Miscellaneous	0	0	0	0	0	0	0
I 515 56110	- Workers Compensation	0	0	0	0	0	0	93
I 515 56120	- Unemployment	0	0	1	0	0	0	24
I 515 56140	Vacation Leave	0	0	0	0	0	0	0
I 515 56150	Sick Leave	0	0	0	0	0	0	0
	Total Sundry Charges	**276**	**588**	**6**	**625**	**635**	**630**	**887**
	CAPITAL OUTLAY							
I 515 57010	- Land Purchased	0	0	0	0	0	0	0
I 515 57020	- Land Improvements	0	0	0	0	0	0	0
I 515 58010	- Buildings	0	0	0	0	0	0	0

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
GENERAL FUND (01)

ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(2018 - 2019) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
I 515 59010	Furniture & Fixtures	0	0	600	0	0	0	0
I 515 59020	- Machinery, Tools & Implements	0	0	0	0	0	0	0
I 515 59030	- Instruments & Apparatus	0	0	0	0	0	0	0
I 515 59040	- Motor Vehicles	0	0	0	0	0	0	0
I 515 59050	- Other Vehicles	0	0	0	0	0	0	0
I 515 59070	- Signals & Markers	0	0	0	0	0	0	0
I 515 59080	- Communication System	0	0	0	0	0	0	0
I 515 59090	- Books	0	0	0	0	0	0	0
I 515 59100	- Miscellaneous	0	0	0	0	0	0	0
	Total Capital Outlay	**0**	**0**	**600**	**0**	**0**	**0**	**0**
	TOTAL MULTI-PURPOSE COMPLEX - Tourism	12,415	11,627	12,578	13,186	11,719	14,291	13,259

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
GENERAL FUND (01)

ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(---------- 2018 - 2019 ----------) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
	R.V. PARK							
	SALARIES and WAGES							
I 516 51010	- Salary - Supervision - Mission & RV Park	0	0	0	0	0	0	0
I 516 51020	- Salary - Skilled Labor - M.D & RV Park	0	0	0	0	0	0	0
I 516 51030	- Labor Operations - M.D. & RV Park	0	0	0	0	0	0	0
I 516 51040	- Salary - Extra Help - Mission Delores & RV Park	0	0	0	0	0	0	0
	Total Salaries and Wages	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	SUPPLIES							
I 516 52010	- Office Supplies	0	0	0	0	0	0	0
I 516 52020	- Fuel	0	0	0	0	0	0	0
I 516 52040	- Wearing Apparel	0	0	0	0	0	0	0
I 516 52050	- Motor Vehicle Supplies	0	0	0	0	0	0	0
I 516 52060	- Minor Apparatus & Tools	0	0	0	0	0	0	0
I 516 52070	- Laundry & Cleaning	0	0	0	0	0	0	0
I 516 52110	- Other Supplies	0	0	0	0	0	0	0
	Total Supplies	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	CONTRACTUAL							
I 516 53010	- Communication	0	0	0	0	0	0	0
I 516 53030	- Insurance & Bonds	0	0	0	0	0	0	0
I 516 53060	- Traveling Expenses	0	0	0	0	0	0	0
I 516 53070	- Publications	0	0	0	0	0	0	0
I 516 53080	- Utilities	0	0	0	0	0	0	0
I 516 53090	- Freight & Express	0	0	0	0	0	0	0
I 516 53110	- Associations	0	0	0	0	0	0	0
I 516 53130	- Postage	0	0	0	0	0	0	0
I 516 53150	- Training	0	0	0	0	0	0	0
I 516 53160	- Promotions & Advertising	0	0	0	0	0	0	0
I 516 53170	- Miscellaneous	0	0	0	0	0	0	0
I 516 53171	Mowing Contract	19,200	0	0	0	0	0	0
	Total Contractual	**19,200**	**0**	**0**	**0**	**0**	**0**	**0**
	MAINTENANCE - BUILDING STRUCTURES, ETC.							
I 516 54010	- Buildings & Grounds	29	0	0	0	0	0	0
I 516 54140	- Other	0	0	0	0	0	0	0
	Total Maintenance - Building Structures, Etc.	**29**	**0**	**0**	**0**	**0**	**0**	**0**
	MAINTENANCE - EQUIPMENT							
I 516 55010	- Furniture & Fixtures	0	0	0	0	0	0	0
I 516 55020	- Machinery, Tools & Equipment	0	0	0	0	0	0	0
I 516 55040	- Motor Vehicle	0	0	0	0	0	0	0
	Total Maintenance - Equipment	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	SUNDRY CHARGES							
I 516 56040	- Social Security Taxes	0	0	0	0	0	0	0
I 516 56050	- TMRS & Pension	0	0	0	0	0	0	0
I 516 56070	Audit	276	0	0	0	0	0	0
I 516 56090	- Insurance - Employees	0	0	0	0	0	0	0
I 516 56110	- Workers Compensation	0	0	0	0	0	0	0
I 516 56120	- Unemployment	0	0	0	0	0	0	0

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
GENERAL FUND (01)

ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(2018 - 2019) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
I 516 56140	Vacation Leave	0	0	0	0	0	0	0
I 516 56150	Sick Leave	0	0	0	0	0	0	0
	Total Sundry Charges	**276**	**0**	**0**	**0**	**0**	**0**	**0**
	CAPITAL OUTLAY							
I 516 57010	- Land Purchased	0	0	0	0	0	0	0
I 516 57020	- Land Improvements	0	0	0	0	0	0	0
I 516 58010	- Buildings	0	0	0	0	0	0	0
I 516 59010	- Furniture & Fixtures	0	0	0	0	0	0	0
I 516 59020	- Machinery, Tools & Implements	0	0	0	0	0	0	0
I 516 59100	- Miscellaneous	0	0	0	0	0	0	0
	Total Capital Outlay	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	TOTAL R.V. PARK	19,505	0	0	0	0	0	0

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
GENERAL FUND (01)

ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(---------- 2018 - 2019 ----------) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
	PARK MAINTENANCE							
	SALARIES and WAGES							
I 517 51010	- Salary - Supervision - Park Maintenance	0	0	0	0	0	0	0
I 517 51020	- Salary - Skilled Labor - Park Maintenance	0	0	0	0	0	0	0
I 517 51030	- Labor Operations - Park Maintenance	0	0	0	0	0	0	0
I 517 51040	- Salary - Extra Help - Park Maintenance	0	0	0	0	0	0	0
	Total Salaries and Wages	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	SUPPLIES							
I 517 52010	- Office Supplies	0	0	0	0	0	0	0
I 517 52020	- Fuel	0	0	0	0	0	0	0
I 517 52040	- Wearing Apparel	0	0	0	0	0	0	0
I 517 52050	- Motor Vehicle Supplies	0	0	0	0	0	0	0
I 517 52060	- Minor Apparatus & Tools	0	0	0	0	0	0	0
I 517 52070	- Laundry & Cleaning	0	0	0	0	0	0	0
I 517 52110	- Other Supplies	0	0	0	0	0	0	0
	Total Supplies	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	CONTRACTUAL							
I 517 53010	- Communication	0	0	0	0	0	0	0
I 517 53030	- Insurance & Bonds	0	0	0	0	0	0	0
I 517 53060	- Traveling Expenses	0	0	0	0	0	0	0
I 517 53070	- Publications	0	0	0	0	0	0	0
I 517 53080	- Utilities	0	0	0	0	0	0	0
I 517 53090	- Freight & Express	0	0	0	0	0	0	0
I 517 53110	- Associations	0	0	0	0	0	0	0
I 517 53130	- Postage	0	0	0	0	0	0	0
I 517 53150	- Training	0	0	0	0	0	0	0
I 517 53160	- Promotions & Advertising	0	0	0	0	0	0	0
I 517 53170	- Miscellaneous	0	0	0	0	0	0	0
I 517 53171	Mowing Contract	0	0	0	0	0	0	0
	Total Contractual	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	MAINTENANCE - BUILDING STRUCTURES, ETC.							
I 517 54010	- Buildings & Grounds	0	0	0	0	0	0	0
I 517 54140	- Other	0	0	0	50,000	23	23	20,000
	Total Maintenance - Building Structures, Etc.	**0**	**0**	**0**	**50,000**	**23**	**23**	**20,000**
	MAINTENANCE - EQUIPMENT							
I 517 55010	- Furniture & Fixtures	0	0	0	0	0	0	0
I 517 55020	- Machinery, Tools & Equipment	0	0	0	0	0	0	0
I 517 55040	- Motor Vehicle	0	0	0	0	0	0	0
	Total Maintenance - Equipment	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	SUNDRY CHARGES							
I 517 56040	- Social Security Taxes	0	0	0	0	0	0	0
I 517 56050	- TMRS & Pension	0	0	0	0	0	0	0
I 517 56070	Audit	0	0	0	0	0	0	670
I 517 56090	- Insurance - Employees	0	0	0	0	0	0	0
I 517 56110	- Workers Compensation	0	0	0	0	0	0	0
I 517 56120	- Unemployment	0	0	0	0	0	0	0

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
GENERAL FUND (01)

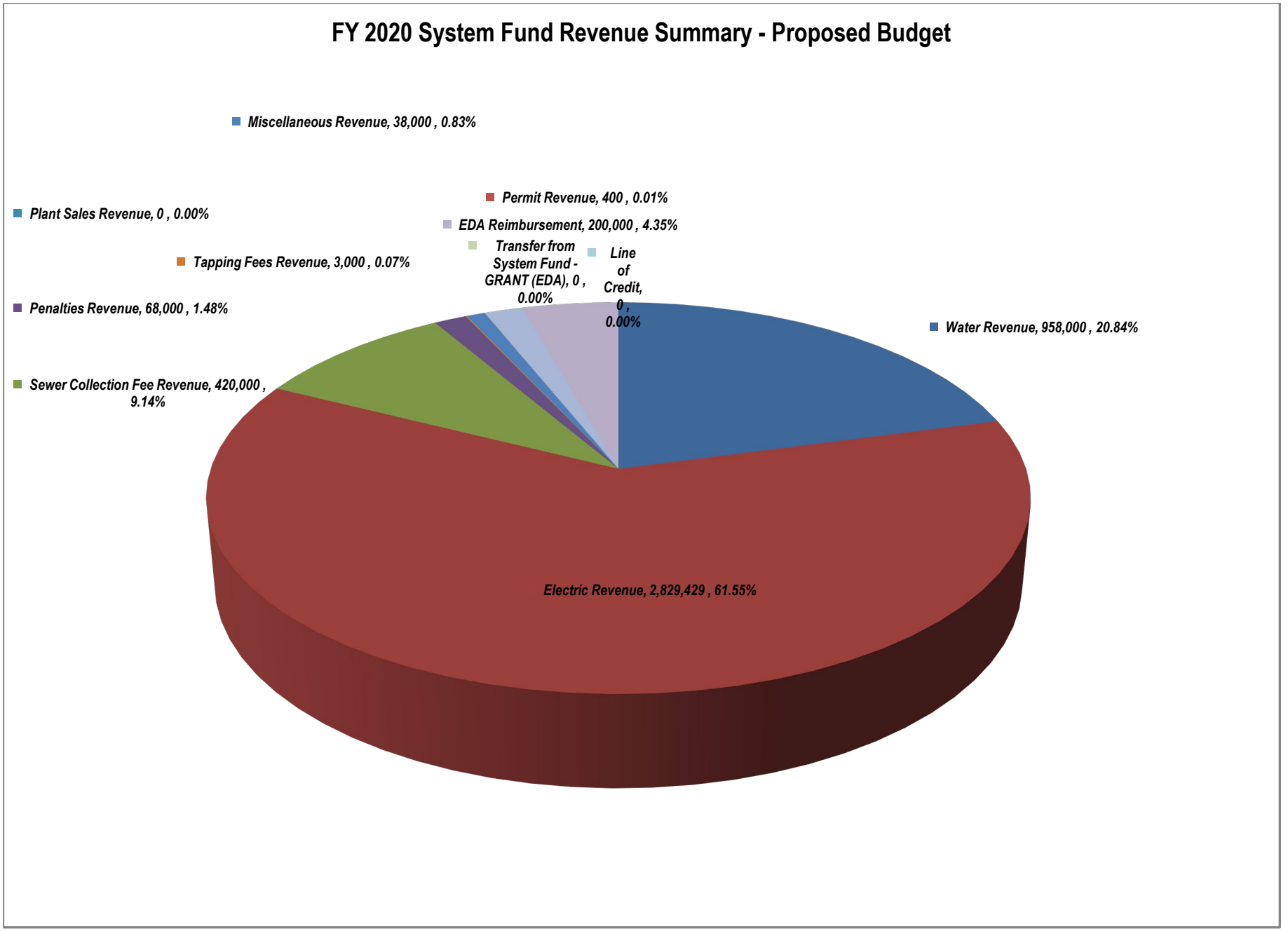
ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(---------- 2018 - 2019 ----------) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
I 517 56140	Vacation Leave	0	0	0	0	0	0	0
I 517 56150	Sick Leave	0	0	0	0	0	0	0
	Total Sundry Charges	**0**	**0**	**0**	**0**	**0**	**0**	**670**
	CAPITAL OUTLAY							
I 517 57010	- Land Purchased	0	0	0	0	0	0	0
I 517 57020	- Land Improvements	0	0	0	0	0	0	0
I 517 58010	- Buildings	0	0	0	0	0	0	0
I 517 59010	- Furniture & Fixtures	0	0	0	0	0	0	0
I 517 59020	- Machinery, Tools & Implements	0	0	0	0	0	0	0
I 517 59100	- Miscellaneous	0	0	0	0	0	0	0
	Total Capital Outlay	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	TOTAL PARK MAINTENANCE	**0**	**0**	**0**	**50,000**	**23**	**23**	**20,670**
	TOTALS OF ALL DEPARTMENTS (01)	**I558082**	**I757074**	**I665158**	**I979017**	**I313453**	**I677644**	**I963987**

SYSTEM FUND

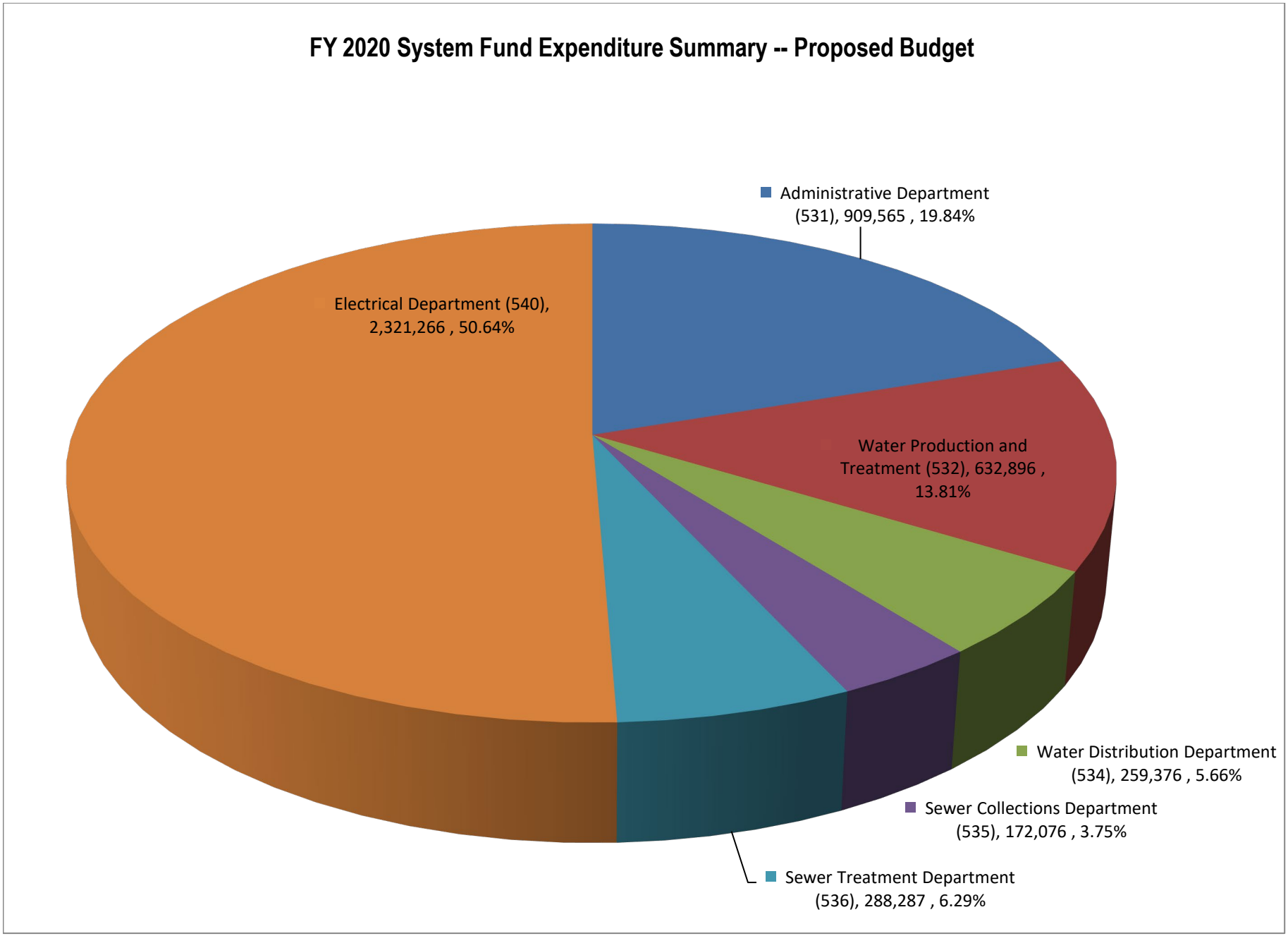
PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
SYSTEM FUND REVENUE and EXPENDITURE SUMMARY

FUND	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(---------- 2018 - 2019 ----------) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
				REVENUE SUMMARY				
SYSTEM (02)	Water Revenue	742,877	939,616	1,060,613	958,000	715,117	923,355	958,000
SYSTEM (02)	Electric Revenue	2,780,338	2,908,878	2,668,370	2,829,429	2,191,434	2,563,727	2,829,429
SYSTEM (02)	Sewer Collection Fee Revenue	377,981	417,793	421,447	415,000	322,003	429,750	420,000
SYSTEM (02)	Penalties Revenue	65,070	67,123	63,720	68,000	63,122	68,000	68,000
SYSTEM (02)	Plant Sales Revenue	1,800	90	275	0	0	0	0
SYSTEM (02)	Tapping Fees Revenue	1,850	4,808	3,325	3,000	2,163	2,375	3,000
SYSTEM (02)	Miscellaneous Revenue	20,943	30,631	46,367	38,000	77,246	77,246	38,000
SYSTEM (02)	Permit Revenue	1,932	378	292	400		0	400
SYSTEM (02)	Interest Income	0	0	0	0	0	0	0
SYSTEM (02)	Transfer From Bond / Savings			0	0	0	0	0
SYSTEM (02)	Miscellaneous - Not Billed Revenue	0	0	0	0	0	0	0
SYSTEM (02)	Transfer From Other Funds	48,000	0	0	0	0	0	0
SYSTEM (02)	Transfer From Debt Services				30,000	0	0	80,500
SYSTEM (02)	Transfer From General Fund - Grant Revenue	0	0	0	0	0	0	0
SYSTEM (02)	Transfer from System Fund - GRANT (EDA)	0	0	0	0	0	0	0
SYSTEM (02)	EDA Reimbursement	0	0	0	120,300	0	149,000	200,000
SYSTEM (02)	Line of Credit	150,000	150,000	0	0	0	0	0
	GRAND TOTALS - ALL SYSTEM FUND REVENUES	4,190,790	4,519,317	4,264,408	4,462,129	3,371,084	4,213,454	4,597,329
				EXPENDITURE SUMMARY				
SYSTEM (02)	Miscellaneous Other Expenses	0	0	0				
SYSTEM(02)	Transfer to I & S Fund for Debt Service		138,000	138,000	138,000	103,500	138,000	138,000
SYSTEM (02)	Repayment of Line of Credit	150000	150000	150000	0	-	-	-
SYSTEM (02)	Payment In Lieu of Taxes to General Fund (530)	502,025	-	-	-	-	-	-
SYSTEM (02)	Administrative Department (531)	173,406	716,068	795,148	1,000,498	509,296	563,478	909,565
SYSTEM (02)	Water Production and Treatment (532)	477,962	441,325	573,956	647,457	490,006	612,635	632,896
SYSTEM (02)	Water Distribution Department (534)	237,747	191,234	218,395	255,785	201,243	253,346	259,376
SYSTEM (02)	Sewer Collections Department (535)	80,785	101,278	138,066	162,085	112,476	143,237	172,076
SYSTEM (02)	Sewer Treatment Department (536)	193,978	218,681	196,092	307,380	223,731	269,626	288,287
SYSTEM (02)	Electrical Department (540)	2,451,077	2,218,318	2,094,967	2,283,101	1,644,862	2,792,347	2,321,266
	GRAND TOTALS - ALL SYSTEM FUND DEPARTMENTS	4,266,979	4,174,904	4,304,624	4,794,305	3,285,114	4,772,670	4,721,466

FY 2020 System Fund Revenue Summary - Proposed Budget



FY 2020 System Fund Expenditure Summary -- Proposed Budget



PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
SYSTEM FUND (02)

ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(---------- 2018 - 2019 ----------) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
	ADMINISTRATIVE DEPARTMENT							
	SALARIES and WAGES							
2 531 51010	- Salary - Supervision	40,523	40,251	33,961	37,001	28,365	36,736	38,012
2 531 51020	- Salary - Skilled Labor	42,561	45,247	44,522	46,909	36,176	46,790	48,660
2 531 51030	- Labor Operations	23,236	25,076	25,678	28,111	21,763	28,481	30,806
2 531 51040	- Salary - Extra Help	0	0	9	0	0	0	0
2 531 51050	- Volunteer Firemen	0	0	0	0	0	0	0
	Total Salaries and Wages	**106,321**	**110,574**	**104,170**	**112,020**	**86,304**	**112,007**	**117,478**
	SUPPLIES							
2 531 52010	- Office Supplies	3,312	3,985	1,683	4,500	1,976	2,480	3,000
2 531 52020	- Fuel	37	540	295	750	536	668	750
2 531 52040	- Wearing Apparel	263	0	0	0	0	0	0
2 531 52050	- Motor Vehicle Supplies	0	0	18	500	0	0	500
2 531 52060	- Minor Apparatus & Tools	0	0	0	0	0	0	0
2 531 52070	- Laundry & Cleaning	0	0	0	0	0	0	0
2 531 52090	- Mechanical	0	0	0	0	0	0	0
2 531 52110	- Other Supplies	3,732	3,037	3,006	5,000	4,087	4,500	5,000
	Total Supplies	**7,344**	**7,561**	**5,002**	**10,750**	**6,599**	**7,648**	**9,250**
	CONTRACTUAL							
2 531 50693	Payment in Lieu of Taxes	600000	512699	594699	767846	328882	328882	670,846
2 531 53010	- Communication	15,111	20,367	24,771	25,000	23,640	33,640	25,000
2 531 53030	- Insurance & Bonds	1,916	6,581	6,826	7,100	9,047	9,047	9,100
2 531 53060	- Traveling Expenses	2,165	1,411	2,209	2,500	1,187	2,500	2,500
2 531 53070	- Publications	2,307	0	0	1,800	0	0	0
2 531 53080	- Utilities	0	0	0	0	0	0	0
2 531 53090	- Freight & Express	0	0	0	0	0	0	0
2 531 53110	- Associations	755	864	301	1,250	351	351	875
2 531 53130	- Postage	10,108	8,931	9,485	11,500	7,452	9,936	10,000
2 531 53150	- Training	1,349	960	403	1,250	250	600	1,250
2 531 53160	Promotions & Advertising	0	0	0	0	0		0
2 531 53170	- Miscellaneous	9,562	2,101	1,193	1,500	2,461	2,461	1,500
2 531 53172	UpKeep Conract (Work Orders)	0	0	0	210	192	192	210
2 531 53173	Website	0	0	1,550	1,200	10	1,560	1,560
2 531 53180	- Equipment Rental	2,156	3,002	2,979	3,100	2,271	3,028	3,100
	Total Contractual	**645,428**	**556,915**	**644,415**	**824,256**	**375,744**	**392,197**	**725,941**
	MAINTENANCE - BUILDING STRUCTURES, ETC.							
2 531 54010	- Buildings & Grounds	0	0	0	0	0	0	0
	Total Maintenance - Building Structures, Etc.	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	MAINTENANCE - EQUIPMENT							
2 531 55010	- Furniture & Fixtures	0	0	0	0	0	0	0
2 531 55020	- Machinery, Tools & Equipment	0	0	0	0	0	0	0
2 531 55030	- Instruments & Apparatus	0	0	0	0	0	0	0
2 531 55040	- Motor Vehicle	35	186	664	1,500	601	900	1,500
2 531 55070	- Miscellaneous	0	0	0	5,000	2,531	4,000	5,000
	Total Maintenance - Equipment	**35**	**186**	**664**	**6,500**	**3,132**	**4,900**	**6,500**
	SUNDRY CHARGES							

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
SYSTEM FUND (02)

ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(---------- 2018 - 2019 ----------) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
2 531 56010	Contributions & Gratuities	0	0	0	500	0	0	500
2 531 56030	Judgements, Damages, Claims	0	0	0	0	0	0	0
2 531 56040	- Social Security Taxes	8,118	8,508	8,193	8,549	6,613	8,581	8,988
2 531 56050	- TMRS & Pension	11,215	11,997	11,246	11,264	8,412	10,614	14,098
2 531 56070	Auditing	556	588	588	625	588	588	670
2 531 56090	- Insurance - Employees	16,451	19,444	19,998	22,650	15,573	20,500	22,710
2 531 56110	- Workers Compensation	203	271	447	479	211	290	503
2 531 56120	- Unemployment	432	23	426	405	382	413	428
2 531 56140	Vacation Leave	0	0	0	0	0	0	0
2 531 56150	Sick Leave	0	0	0	0	0	0	0
	Total Sundry Charges	**36,975**	**40,831**	**40,898**	**44,471**	**31,779**	**40,986**	**47,896**
	CAPITAL OUTLAY							
2 531 57010	- Land Purchased	0	0	0	0	0	0	0
2 531 57020	- Land Improvements	0	0	0	0	0	0	0
2 531 58010	- Buildings	0	0	0	0	0	0	0
2 531 59010	- Furniture & Fixtures	0	0	0	0	0	0	0
2 531 59020	- Machinery, Tools & Implements	0	0	0	0	0	0	0
2 531 59030	- Instruments & Apparatus	0	0	0	0	0	0	0
2 531 59040	- Motor Vehicles	0	0	0	0	0	0	0
2 531 59050	- Other Vehicles	0	0	0	0	0	0	0
2 531 59080	- Communication System	0	0	0	0	0	0	0
2 531 59100	- Miscellaneous	0	0	0	2,500	5,740	5,740	2,500
	Total Capital Outlay	**0**	**0**	**0**	**2,500**	**5,740**	**5,740**	**2,500**
	TOTAL ADMINISTRATIVE DEPARTMENT	**796,104**	**716,068**	**795,148**	**1,000,498**	**509,296**	**563,478**	**909,565**

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
SYSTEM FUND (02)

ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(---------- 2018 - 2019 ----------) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
	WATER PRODUCTION and TREATMENT							
	SALARIES and WAGES							
2 532 51010	- Salary - Supervision	33,501	35,083	36,466	29,845	29,800	38,604	30,939
2 532 51020	- Salary - Skilled Labor	0	0	0	0	0	0	43,068
2 532 51030	- Labor Operations	41,432	67,747	55,601	79,833	36,907	49,486	58,471
2 532 51040	- Salary - Extra Help	0	0	0	0	0	0	0
	Total Salaries and Wages	**74,932**	**102,831**	**92,067**	**109,678**	**66,707**	**88,090**	**132,478**
	SUPPLIES							
2 532 52010	- Office Supplies	0	150	187	0	0	0	0
2 532 52020	- Fuel	3,001	3,009	3,947	4,000	1,905	2,928	4,000
2 532 52040	- Wearing Apparel	276	1,433	200	250	200	200	250
2 532 52050	- Motor Vehicle Supplies	1,711	0	0	2,000	0	500	1,000
2 532 52070	- Laundry & Cleaning	1,226	1,517	2,066	1,500	3,225	3,804	3,600
2 532 52080	- Chemical, Medical, Surgical	137,849	150,386	150,449	156,000	188,959	211,263	156,000
2 532 52090	- Mechanical	324	1,215	4,221	15,000	2,227	7,000	10,000
2 532 52110	- Other Supplies	8,827	6,528	19,196	21,000	11,508	12,832	16,000
	Total Supplies	**153,215**	**164,239**	**180,266**	**199,750**	**208,024**	**238,527**	**190,850**
	CONTRACTUAL							
2 532 53010	- Communication	9,307	10,267	14,435	15,000	14,233	19,711	15,000
2 532 53030	- Insurance & Bonds	3,265	3,709	5,037	5,550	8,083	8,083	8,100
2 532 53060	- Traveling Expenses	532	1,102	1,270	1,000	881	1,331	1,000
2 532 53070	- Publications	0	0	0	0	0	0	0
2 532 53080	- Utilities	50,803	47,570	45,997	50,000	36,805	48,815	50,000
2 532 53090	- Freight & Express	0	0	0	0	0	0	0
2 532 53100	- Engineering & Related Consultants	622	247	247	9,000	347	500	5,000
2 532 53110	- Associations	0	301	181	500	333	333	500
2 532 53120	- Permits & Fees	3,061	3,088	3,038	4,000	840	3,000	4,000
2 532 53130	- Postage	613	0	0	0	0	0	0
2 532 53150	- Training	411	900	1,040	2,000	280	2,000	2,000
2 532 53170	- Miscellaneous	8,691	6,322	43,141	5,000	3,276	5,000	5,000
2 532 53171	Mowing Contract	9,178	4,499	8,831	7,702	5,887	7,702	7,702
2 532 53172	UpKeep Conract (Work Orders)	0	0	0	210	192	192	210
2 532 53180	- Equipment Rental	0	0	0	0	0	0	0
	Total Contractual	**86,483**	**78,006**	**123,217**	**99,962**	**71,157**	**96,667**	**98,512**
	MAINTENANCE - BUILDING STRUCTURES, ETC.							
2 532 54010	- Buildings & Grounds	1,045	193	236	15,000	2,571	5,000	7,500
2 532 54030	- Filter Beds & Valves	0	0	0	0	0	0	0
2 532 54070	- Street & Alley Repairs	0	0	0	0	0	0	0
2 532 54100	- Plants, Tower, Wells, Reservour	8,179	17,482	18,200	135,000	17,524	35,000	75,000
2 532 54120	- Service Lines	0	-4,779	0	0	0	0	0
2 532 54140	- Other	0	0	0	0	0	0	0
	Total Maintenance - Building Structures, Etc.	**9,224**	**12,895**	**18,436**	**150,000**	**20,095**	**40,000**	**82,500**
	MAINTENANCE - EQUIPMENT							
2 532 55010	- Furniture & Fixtures	0	0	0	0	0	0	0
2 532 55020	- Machinery, Tools & Equipment	21,763	39,177	108,944	20,000	72,066	86,480	54,000
2 532 55030	- Instruments & Apparatus	0	0	0	0	0	0	0

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
SYSTEM FUND (02)

ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(---------- 2018 - 2019 ----------) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
2 532 55040	- Motor Vehicle	2,654	3,363	5,039	7,500	3,462	5,000	7,500
2 532 55070	- Miscellaneous	0	0	0	0	0	0	0
	Total Maintenance - Equipment	**24,417**	**42,540**	**113,983**	**27,500**	**75,528**	**91,480**	**61,500**
	SUNDRY CHARGES							
2 532 56040	- Social Security Taxes	5,493	7,599	7,549	8,390	5,103	6,759	10,135
2 532 56050	- TMRS & Pension	7,906	10,796	11,180	11,056	6,119	7,973	15,897
2 532 56070	Audit	556	588	588	625	588	588	670
2 532 56090	- Insurance - Employees	10,789	18,700	20,658	22,650	13,710	18,767	31,794
2 532 56110	- Workers Compensation	1,922	3,131	5,608	4,942	2,341	3,121	7,962
2 532 56120	- Unemployment	15	0	404	405	475	505	599
2 532 56140	Vacation Leave	0	0	0	0	0	0	0
2 532 56150	Sick Leave	0	0	0	0	0	0	0
	Total Sundry Charges	**26,681**	**40,815**	**45,988**	**48,067**	**28,336**	**37,713**	**67,056**
	CAPITAL OUTLAY							
2 532 57010	- Land Purchased	0	0	0	0	0	0	0
2 532 57020	- Land Improvements	0	0	0	0	0	0	0
2 532 58010	- Buildings	0	0	0	0	0	0	0
2 532 58030	- Filtration Plants	0	0	0	0	0	0	0
2 532 58070	- Standpipes & Reservoirs	0	0	0	0	0	0	0
2 532 58110	- Wells & Pumps	0	0	0	0	0	0	0
2 532 58150	- Other	0	0	0	0	0	0	0
2 532 59010	- Furniture & Fixtures	0	0	0	0	0	0	0
2 532 59020	- Machinery, Tools & Implements	0	0	0	0	0	0	0
2 532 59030	- Instruments & Apparatus	0	0	0	0	8,000	8,000	0
2 532 59040	- Motor Vehicles	375	0	0	12,500	12,158	12,158	0
2 532 59080	- Communication System	0	0	0	0	0	0	0
2 532 59100	- Miscellaneous	0	0	0	0	0	0	0
	Total Capital Outlay	**375**	**0**	**0**	**12,500**	**20,158**	**20,158**	**0**
	TOTAL WATER PRODUCTION and TREATMENT	**375,327**	**441,325**	**573,956**	**647,457**	**490,006**	**612,635**	**632,896**

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
SYSTEM FUND (02)

ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(---------- 2018 - 2019 ----------) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
	WATER DISTRIBUTION							
	SALARIES and WAGES							
2 534 51010	- Salary - Supervision	0	0	0	0	0	0	0
2 534 51020	- Salary - Skilled Labor	0	0	0	0	0	0	0
2 534 51030	- Labor Operations	44805	47108	47416	48831	34,879	44,695	49968
2 534 51040	- Salary - Extra Help	0	0	0	0	0	0	0
2 534 51050	Volunteer Firemen	0	0	0	0	0	0	0
	Total Salaries and Wages	**44805**	**47108**	**47416**	**48831**	**34879**	**44695**	**49968**
	SUPPLIES							
2 534 52020	- Fuel	953	1207	1087	2500	645	1,120	2500
2 534 52040	- Wearing Apparel	201	346	269	600	301	401	600
2 534 52050	- Motor Vehicle Supplies	616	23	60	1750	12	60	1750
2 534 52070	- Laundry & Cleaning	1034	1147	1331	1000	1,897	2,529	3600
2 534 52080	- Chemical, Medical, Surgical	75	0	0	0	0	0	0
2 534 52090	- Mechanical	20920	22603	26059	30000	30,100	40,135	30000
2 534 52110	- Other Supplies	8431	8078	11353	8000	3,618	4,450	8000
	Total Supplies	**32230**	**33404**	**40159**	**43850**	**36573**	**48695**	**46450**
	CONTRACTUAL							
2 534 53010	- Communication	1671	2324	1349	1500	1,053	1,404	1500
2 534 53030	- Insurance & Bonds	2047	1976	2026	2600	2,002	2,002	2600
2 534 53060	- Traveling Expenses	0	0	340	500	540	540	500
2 534 53070	- Publications	0	0	0	0	0	0	0
2 534 53080	- Utilities	52319	50780	41519	50000	35,451	36,849	45000
2 534 53090	- Freight & Express	0	0	0	0	0	0	0
2 534 53100	Engineering & Related Consultants	0	0	0	0	0	0	0
2 534 53110	- Associations	0	0	0	0	111	111	0
2 534 53130	- Postage	0	0	0	0	0	0	0
2 534 53150	- Training	0	0	630	500	60	60	500
2 534 53170	- Miscellaneous	131	400	782	1000	936	1,200	1000
2 534 53172	UpKeep Conract (Work Orders)	0	0	0	210	0	0	210
2 534 53180	- Equipment Rental	0	0	0	0	0	0	0
	Total Contractual	**56167**	**55480**	**46646**	**56310**	**40152**	**42166**	**51310**
	MAINTENANCE - BUILDING STRUCTURES, ETC.							
2 534 54010	- Buildings & Grounds	0	0	33	0	0	0	0
2 534 54070	- Street & Alley Repairs	0	0	0	0	0	0	0
2 534 54080	- Mains - Water	0	0	0	0	0	0	0
2 534 54110	- Meter & Meter Boxes	1212	2525	110	2800	1,285	2,000	2800
2 534 54120	- Service Lines	11591	20500	40845	38000	50,090	66,787	38000
2 534 54130	- Hydrants & Valves	0	0	0	12000	0	0	7000
2 534 54140	- Other	0	0	0	0	0	0	0
2 534 54150	Trucks - Water Department	0	0	0	0	0	0	0
	Total Maintenance - Building Structures, Etc.	**12803**	**23025**	**40988**	**52800**	**51375**	**68787**	**47800**
	MAINTENANCE - EQUIPMENT							
2 534 55010	- Furniture & Fixtures	0	0	0	0	0	0	0
2 534 55020	- Machinery, Tools & Equipment	2680	7836	17139	9000	6,433	8,000	9000
2 534 55030	- Instruments & Apparatus	0	0	0	0	0	0	0

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
SYSTEM FUND (02)

ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(2018 - 2019) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
2 534 55040	- Motor Vehicle	2746	2274	1984	2000	961	1,200	2000
2 534 55070	- Miscellaneous	0	0	0	0	0	0	0
	Total Maintenance - Equipment	**5426**	**10110**	**19122**	**11000**	**7394**	**9200**	**11000**
	SUNDRY CHARGES							
2 534 56040	- Social Security Taxes	3123	3353	3459	2507	2,668	3,542	3823
2 534 56050	- TMRS & Pension	4401	4751	5125	4923	3,386	4,226	5997
2 534 56070	Audit	556	588	588	625	588	588	670
2 534 56090	- Insurance - Employees	10345	11666	12086	13590	8,918	11,873	13626
2 534 56110	- Workers Compensation	1076	1480	2564	2935	1,205	1,607	3003
2 534 56120	- Unemployment	884	268	242	243	207	237	257
2 534 56140	Vacation Leave	0	0	0	0	0	0	0
2 534 56150	Sick Leave	0	0	0	0	0	0	0
	Total Sundry Charges	**20384**	**22106**	**24064**	**24822**	**16972**	**22073**	**27375**
	CAPITAL OUTLAY							
2 534 57010	- Land Purchased	0	0	0	0	0	0	0
2 534 57020	- Land Improvements	0	0	0	0	0	0	0
2 534 58010	- Buildings	0	0	0	0	0	0	0
2 534 58130	- Service Lines	0	0	0	0	0	0	0
2 534 58150	- Other	0	0	0	0	0	0	0
2 534 59010	- Furniture & Fixtures	0	0	0	0	0	0	0
2 534 59020	- Machinery, Tools & Implements	0	0	0	18172	13897	17730	18172
2 534 59030	- Instruments & Apparatus	0	0	0	0	0	0	0
2 534 59040	- Motor Vehicles	0	0	0	0	0	0	7302
2 534 59080	- Communication System	0	0	0	0	0	0	0
2 534 59100	- Miscellaneous	0	0	0	0	0	0	0
	Total Capital Outlay	**0**	**0**	**0**	**18172**	**13897**	**17730**	**25474**
	TOTAL WATER DISTRIBUTION	**171814**	**191234**	**218395**	**255785**	**201243**	**253346**	**259376**

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
SYSTEM FUND (02)

ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(---------- 2018 - 2019 ----------) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
	SEWER COLLECTIONS							
	SALARIES and WAGES							
2 535 51010	- Salary - Supervision	0	0	0	0	0	0	0
2 535 51020	- Salary - Skilled Labor	0	0	0	0	0	0	0
2 535 51030	- Labor Operations	40825	43835	44376	48831	34,880	44,691	49968
2 535 51040	- Salary - Extra Help	0	0	0	0	0	0	0
	Total Salaries and Wages	**40825**	**43835**	**44376**	**48831**	**34880**	**44691**	**49968**
	SUPPLIES							
2 535 52020	- Fuel	953	938	1087	4300	645	1,119	4300
2 535 52040	- Wearing Apparel	0	146	0	200	0	0	200
2 535 52050	Motor Vehicle Supplies	0	0	0	1750	0	0	1750
2 535 52070	- Laundry & Cleaning	0	0	0	1000	0	0	1000
2 535 52080	- Chemical, Medical, Surgical	0	0	0	0	0	0	0
2 535 52090	- Mechanical	0	1421	1466	1500	443	743	1500
2 535 52110	- Other Supplies	938	4833	6955	5000	2,278	3,440	5000
	Total Supplies	**1891**	**7338**	**9508**	**13750**	**3366**	**5302**	**13750**
	CONTRACTUAL							
2 535 53010	- Communication	0	102	41	600	0	0	600
2 535 53030	- Insurance & Bonds	1001	1012	1038	1100	1,269	1,269	1100
2 535 53060	- Traveling Expenses	0	0	0	500	0	0	500
2 535 53080	- Utilities	7074	6893	8300	8200	5,925	7,292	8200
2 535 53090	- Freight & Express	0	0	0	0	0	0	0
2 535 53100	- Engineering & Related Consultants	0	0	0	0	0	0	0
2 535 53150	- Training	0	0	0	0	0	0	0
2 535 53170	- Miscellaneous	0	341	745	1200	304	707	1200
2 535 53172	UpKeep Conract (Work Orders)	0	0	0	210	192	192	210
2 535 53180	- Equipment Rental	0	0	0	0	0	0	0
	Total Contractual	**8075**	**8348**	**10125**	**11810**	**7689**	**9460**	**11810**
	MAINTENANCE - BUILDING STRUCTURES, ETC.							
2 535 54010	- Buildings & Grounds	0	0	33	0	0	0	0
2 535 54020	- Bridges & Culverts	0	0	0	0	0	0	0
2 535 54030	- Filter Beds & Valves	0	0	0	0	0	0	0
2 535 54040	- Sanitary Sewers	0	325	0	3500	0	0	2500
2 535 54060	- Storm Sewers	0	0	0	0	0	0	0
2 535 54070	- Street & Alley Repairs	0	0	0	0	0	0	0
2 535 54090	- Manholes, Lampholes, & Misc.	0	0	0	0	0	0	0
2 535 54120	- Service Lines	28503	14935	38529	35500	25,301	33,735	35500
2 535 54140	- Other	0	0	0	0	0	0	
	Total Maintenance - Building Structures, Etc.	**28503**	**15260**	**38561**	**39000**	**25301**	**33735**	**38000**
	MAINTENANCE - EQUIPMENT							
2 535 55010	- Furniture & Fixtures	0	0	0	0	0	0	0
2 535 55020	- Machinery, Tools & Equipment	3992	1994	10125	3500	9,704	9,704	3500
2 535 55030	- Instruments & Apparatus	0	0	0	0	0	0	0
2 535 55040	- Motor Vehicle	92	2663	1305	2200	485	485	2200
2 535 55070	- Miscellaneous	0	0	0	0	0	0	0
	Total Maintenance - Equipment	**4084**	**4657**	**11429**	**5700**	**10189**	**10189**	**5700**

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
SYSTEM FUND (02)

ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(---------- 2018 - 2019 ----------) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
	SUNDRY CHARGES							
2 535 56040	- Social Security Taxes	3124	3354	3460	2507	2,669	3,418	3823
2 535 56050	- TMRS & Pension	4533	4752	5125	4923	2,910	3,752	5997
2 535 56070	Audit	556	588	588	625	588	588	670
2 535 56090	- Insurance - Employees	10345	11666	12086	13590	9,575	12,530	13626
2 535 56100	- Miscellaneous	0	0	0	0	0	0	0
2 535 56110	- Workers Compensation	1076	1480	2564	2935	1,205	1,607	3003
2 535 56120	- Unemployment	88	0	243	243	207	237	257
2 535 56140	Vacation Leave	0	0	0	0	0	0	0
2 535 56150	Sick Leave	0	0	0	0	0	0	0
	Total Sundry Charges	**19722**	**21840**	**24067**	**24822**	**17154**	**22131**	**27375**
	CAPITAL OUTLAY							
2 535 57010	- Land Purchased	0	0	0	0	0	0	0
2 535 57020	- Land Improvements	0	0	0	0	0	0	0
2 535 58010	- Buildings	0	0	0	0	0	0	0
2 535 58030	- Filtration Plants	0	0	0	0	0	0	0
2 535 58040	- Sanitary Sewers	0	0	0	0	0	0	0
2 535 58060	- Storm Sewers	0	0	0	0	0	0	0
2 535 58090	- Mains - Water	0	0	0	0	0	0	0
2 535 58100	- Manholes, Lampholes, & Misc.	0	0	0	0	0	0	0
2 535 58110	- Wells & Pumps	0	0	0	0	0	0	0
2 535 58130	- Service Lines	0	0	0	0	0	0	0
2 535 59010	- Furniture & Fixtures	0	0	0	0	0	0	0
2 535 59020	- Machinery, Tools & Implements	0	0	0	18172	13897	17730	18172
2 535 59030	- Instruments & Apparatus	0	0	0	0	0	0	0
2 535 59040	- Motor Vehicles	0	0	0	0	0	0	7302
2 535 59050	- Other Vehicles	0	0	0	0	0	0	0
2 535 59080	- Communication System	0	0	0	0	0	0	0
2 535 59100	- Miscellaneous	0	0	0	0	0	0	0
	Total Capital Outlay	**0**	**0**	**0**	**18172**	**13897**	**17730**	**25474**
	TOTAL SEWER COLLECTIONS	103099	101278	138066	162085	112476	143237	172076

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
SYSTEM FUND (02)

ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(---------- 2018 - 2019 ----------) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
	SEWER TREATMENT							
	SALARIES and WAGES							
2 536 51010	- Salary - Supervision	33,501	35,084	36,466	29,845	29,800	38,875	30,939
2 536 51020	- Salary - Skilled Labor	0	0	0	0	0	0	
2 536 51030	- Labor Operations	33,686	35,349	45,978	49,055	41,022	52,926	41,275
2 536 51040	- Salary - Extra Help	0	0	0	0	0	0	0
	Total Salaries and Wages	**67,187**	**70,432**	**82,444**	**78,900**	**70,822**	**91,801**	**72,215**
	SUPPLIES							
2 536 52010	- Office Supplies	0	0	0	0	0	0	0
2 536 52020	- Fuel	2,031	3,449	3,947	3,500	1,905	2,928	3,500
2 536 52040	- Wearing Apparel	0	456	0	400	100	100	400
2 536 52050	- Motor Vehicle Supplies	0	0	0	0	0	0	0
2 536 52070	- Laundry & Cleaning	1,015	1,110	1,487	900	1,986	2,595	3,600
2 536 52080	- Chemical, Medical, Surgical	3,221	3,063	7,148	9,000	5,392	9,000	9,000
2 536 52090	- Mechanical	0	1,119	73	200	0	0	200
2 536 52110	- Other Supplies	3,463	3,667	8,507	5,000	7,549	9,000	5,000
	Total Supplies	**9,731**	**12,863**	**21,163**	**19,000**	**16,932**	**23,623**	**21,700**
	CONTRACTUAL							
2 536 53010	- Communication	4,662	986	429	4,000	504	575	4,000
2 536 53030	- Insurance & Bonds	2,155	2,547	2,468	2,900	2,406	2,406	2,900
2 536 53060	- Traveling Expenses	185	886	150	700	342	492	700
2 536 53070	- Publications	0	0	0	0	0	0	0
2 536 53080	- Utilities	34,176	38,683	30,717	43,380	27,551	36,735	43,380
2 536 53090	- Freight & Express	0	0	0	0	0	0	0
2 536 53100	- Engineering & Related Consultants	5,975	26,000	790	15,000	100	100	15,000
2 536 53110	- Associations	0	241	70	500	0	0	500
2 536 53120	- Permits & Fees	7,113	6,530	8,641	9,000	13,866	13,866	9,000
2 536 53130	- Postage	0	0	0	0	0	0	0
2 536 53150	- Training	809	595	260	600	532	600	600
2 536 53170	- Miscellaneous	506	2,817	707	1,000	336	486	1,000
2 536 53171	Mowing Contract	3,225	1,900	4,950	4,500	3,300	4,400	4,500
2 536 53172	UpKeep Conract (Work Orders)	0	0	0	210	192	192	210
2 536 53180	- Equipment Rental	0	0	0	0	0	0	0
	Total Contractual	**58,805**	**81,185**	**49,182**	**81,790**	**49,128**	**59,852**	**81,790**
	MAINTENANCE - BUILDING STRUCTURES, ETC.							
2 536 54010	- Buildings & Grounds	0	0	222	5,000	437	437	2,500
2 536 54060	- Storm Sewers	0	0	0	0	0	0	0
2 536 54140	- Other	0	0	0	0	0	0	0
	Total Maintenance - Building Structures, Etc.	**0**	**0**	**222**	**5,000**	**437**	**437**	**2,500**
	MAINTENANCE - EQUIPMENT							
2 536 55010	- Furniture & Fixtures	0	0	0	0	0	0	0
2 536 55020	- Machinery, Tools & Equipment	24,680	23,371	8,567	25,000	30,203	30,203	25,000
2 536 55030	- Instruments & Apparatus	0	0	0	500	0	0	500
2 536 55040	- Motor Vehicle	1,544	2,671	605	1,500	326	500	1,500
2 536 55070	- Miscellaneous	0	0	0	0	0	0	0
	Total Maintenance - Equipment	**26,224**	**26,042**	**9,172**	**27,000**	**30,528**	**30,703**	**27,000**

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
SYSTEM FUND (02)

ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(---------- 2018 - 2019 ----------) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
	SUNDRY CHARGES							
2 536 56040	- Social Security Taxes	5,140	5,388	6,428	6,036	5,418	7,023	5,525
2 536 56050	- TMRS & Pension	7,353	7,638	9,519	7,954	6,651	8,450	8,666
2 536 56070	Audit	556	588	588	625	588	588	670
2 536 56090	- Insurance - Employees	10,789	12,167	12,602	13,590	9,643	12,726	13,626
2 536 56110	- Workers Compensation	1,796	2,386	4,530	4,742	2,435	3,247	4,339
2 536 56120	- Unemployment	39	-9	243	243	243	273	257
2 536 56140	Vacation Leave	0	0	0	0	0	0	0
2 536 56150	Sick Leave	0	0	0	0	0	0	0
	Total Sundry Charges	**25,673**	**28,158**	**33,909**	**33,189**	**24,978**	**32,306**	**33,082**
	CAPITAL OUTLAY							
2 536 57010	- Land Purchased	0	0	0	0	0	0	0
2 536 57020	- Land Improvements	0	0	0	0	0	0	0
2 536 58010	- Buildings	0	0	0	0	0	0	0
2 536 58030	- Filtration Plants	0	0	0	0	0	0	0
2 536 58050	- Sidewalks, Curbs & Gutters	0	0	0	0	0	0	0
2 536 59010	- Furniture & Fixtures	0	0	0	0	0	0	0
2 536 59020	- Machinery, Tools & Implements	0	0	0	50,000	18,747	18,747	50,000
2 536 59030	- Instruments & Apparatus	0	0	0	0	0	0	0
2 536 59040	- Motor Vehicles	375	0	0	12,500	12,158	12,158	0
2 536 59050	- Other Vehicles	0	0	0	0	0	0	0
2 536 59080	- Communication System	0	0	0	0	0	0	0
2 536 59100	- Miscellaneous	0	0	0	0	0	0	0
	Total Capital Outlay	**375**	**0**	**0**	**62,500**	**30,905**	**30,905**	**50,000**
	TOTAL SEWER TREATMENT	187,994	218,681	196,092	307,380	223,731	269,626	288,287

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
SYSTEM FUND (02)

ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(---------- 2018 - 2019 ----------) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
	ELECTRICAL DEPARTMENT							
	SALARIES and WAGES							
2 540 51010	- Salary - Supervision	51,280	54,306	50,874	66,924	42,070	53,948	63,987
2 540 51020	- Salary - Skilled Labor	84,943	88,666	61,667	80,794	37,143	47,503	133,658
2 540 51030	- Labor Operations	1,564	1,243	13,040	0	22,320	29,235	0
2 540 51040	- Salary - Extra Help	0	0	0	0	0	0	0
	Total Salaries and Wages	**137,787**	**144,214**	**125,580**	**147,718**	**101,533**	**130,686**	**197,644**
	SUPPLIES							
2 540 52010	- Office Supplies	0	443	0	400	0	0	400
2 540 52020	- Fuel	7,428	11,087	12,251	11,000	5,348	8,091	11,000
2 540 52040	- Wearing Apparel	180	0	204	400	0	200	400
2 540 52050	- Motor Vehicle Supplies	65	1,932	639	1,500	40	100	1,500
2 540 52070	- Laundry & Cleaning	4,360	4,838	5,933	4,000	4,810	6,646	8,400
2 540 52090	- Mechanical	28,691	55,790	46,341	40,000	28,750	40,000	40,000
2 540 52110	- Other Supplies	4,183	10,212	17,696	11,000	7,082	9,252	11,000
	Total Supplies	**44,906**	**84,303**	**83,065**	**68,300**	**46,030**	**64,289**	**72,700**
	CONTRACTUAL							
2 540 53010	- Communication	6,763	7,076	8,118	6,000	5,608	7,858	6,000
2 540 53030	- Insurance & Bonds	21,536	19,174	19,741	20,000	17,870	17,870	20,000
2 540 53060	- Traveling Expenses	0	0	30	500	0	0	500
2 540 53070	- Publications	0	0	0	0	0	0	0
2 540 53080	- Utilities	0	0	0	0	0	0	0
2 540 53090	- Freight & Express	0	0	0	0	0	0	0
2 540 53100	- Engineering & Related Consultants	0	0	0	0	0	0	0
2 540 53130	- Postage	0	0	0	0	0	0	0
2 540 53150	- Training	0	0	0	1,000	0	0	1,000
2 540 53170	- Miscellaneous	456	1,268	1,287	750	727	727	750
2 540 53171	Mowing Contract	1,050	608	1,350	1,350	900	1,200	1,350
2 540 53172	UpKeep Conract (Work Orders)	0	0	0	420	384	384	420
2 540 53200	- Power Purchased for Resale	2,164,549	1,837,209	1,754,863	1,880,000	1,398,807	1,880,000	1,880,000
	Total Contractual	**2,194,353**	**1,865,335**	**1,785,389**	**1,910,020**	**1,424,295**	**1,908,039**	**1,910,020**
	MAINTENANCE - BUILDING STRUCTURES, ETC.							
2 540 54010	- Buildings & Grounds	0	0	65	0	0	0	0
2 540 54070	- Street & Alley Repairs	0	0	0	0	0	0	0
2 540 54110	- Meter & Meter Boxes	988	0	293	0	1,366	1,360	0
2 540 54120	- Service Lines	0	0	0	0	0	601,713	0
2 540 54140	- Other (Poles)	5,975	4,538	3,699	5,000	2,190	2,920	2,500
2 540 54200	- Transformers	3,985	4,282	19,068	20,000	8,884	11,845	15,000
	Total Maintenance - Building Structures, Etc.	**10,948**	**8,820**	**23,125**	**25,000**	**12,441**	**617,838**	**17,500**
	MAINTENANCE - EQUIPMENT							
2 540 55010	- Furniture & Fixtures	0	0	0	0	0	0	0
2 540 55020	- Machinery, Tools & Equipment	1,463	3,233	5,441	4,000	7,404	7,404	4,000
2 540 55030	- Instruments & Apparatus	0	0	0	0	0	0	0
2 540 55040	- Motor Vehicle	10,029	19,840	21,933	15,000	15,465	15,465	15,000
2 540 55070	- Miscellaneous	0	0	0	0	0	0	0
	Total Maintenance - Equipment	**11,491**	**23,073**	**27,374**	**19,000**	**22,869**	**22,869**	**19,000**

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
SYSTEM FUND (02)

ACCOUNT NUMBER	ACCOUNT NAME	2015-2016 ACTUAL	2016-2017 ACTUAL	2017-2018 ACTUAL	(---------- 2018 - 2019 ----------) CURRENT BUDGET	Y-T-D ACTUAL	PROJECTED YEAR END	2019 - 2020 PROPOSED BUDGET
	SUNDRY CHARGES							
2 540 56030	Judgements, Damages, Claims	0	0	0	0	0	0	0
2 540 56040	- Social Security Taxes	10,504	10,906	9,774	11,301	7,767	9,922	15,119
2 540 56050	- TMRS & Pension	15,070	15,472	14,475	14,890	10,020	12,432	23,716
2 540 56070	Audit	556	588	588	625	588	588	670
2 540 56090	- Insurance - Employees	20,691	23,333	23,202	27,180	18,008	23,923	36,336
2 540 56100	- Miscellaneous	0	0	0	0	0	0	0
2 540 56110	- Workers Compensation	882	1,153	1,875	2,150	851	1,270	2,877
2 540 56120	- Unemployment	515	27	521	486	460	490	684
2 540 56140	Vacation Leave	0	0	0	0	0	0	0
2 540 56150	Sick Leave	0	0	0	0	0	0	0
	Total Sundry Charges	**48,218**	**51,477**	**50,434**	**56,632**	**37,694**	**48,625**	**79,402**
	CAPITAL OUTLAY							
2 540 57010	- Land Purchased	0	0	0	0	0	0	0
2 540 57020	- Land Improvements	0	0	0	0	0	0	0
2 540 58010	- Buildings	0	0	0	0	0	0	0
2 540 58020	- Bridges & Culverts	0	0	0	0	0	0	0
2 540 58030	- Filtration Plants	0	0	0	0	0	0	0
2 540 58120	- Meter & Meter Boxes	0	0	0	0	0	0	0
2 540 58130	- Service Lines	0	0	0	0	0	0	0
2 540 58200	- Transformers	0	0	0	56,430	0	0	0
2 540 59010	- Furniture & Fixtures	0	0	0	0	0	0	0
2 540 59020	- Machinery, Tools & Implements	0	0	0	0	0	0	0
2 540 59030	- Instruments & Apparatus	0	0	0	0	0	0	0
2 540 59040	- Motor Vehicles	0	0	0	0	0	0	25,000
2 540 59080	- Communication System	0	0	0	0	0	0	0
2 540 59100	- Miscellaneous	0	0	0	0	0	0	0
	Total Capital Outlay	**0**	**0**	**0**	**56,430**	**0**	**0**	**25,000**
	TOTAL ELECTRICAL DEPARTMENT	2,447,704	2,177,223	2,094,967	2,283,101	1,644,862	2,792,347	2,321,266

INTEREST and SINKING FUND

FISCAL YEAR 2020
BUDGET SUMMARY

I & S FUND

	2015 - 2016 ACTUAL	2016 - 2017 ACTUAL	2017 - 2018 ACTUAL	2018 - 2019 BUDGET	Y-T-D ACTUAL	2018-2019 PROJECTED	2019 - 2020 PROPOSED
I & S FUND							
I & S FUND BALANCE	72,267	90,780	59,476	72,475	101,207	101,207	112,361
Revenue From System Fund	145,173	138,000	138,000	138,000	105,345	138,000	138,000
Other Financing Sources	0	0	30,633		0		
AVAILABLE I & S REVENUE	217,440	228,780	228,109	210,474	206,552	239,207	250,361
Excess of Revenues Transferred to Gen. Fund	0	40,000	0	0	0	0	0
Excess of Revenues Transferred to Sys. Fund	0	0	0	30,000		30,000	80,500
Debt Service Payments	126,660	129,304	126,902	129,420	126,846	129,420	131,902
I & S FUND BALANCE	90,780	59,476	101,207	51,055	79,706	79,787	37,959
					0		
					0		
					0		0

CITY OF SAN AUGUSTINE

Combined Series
Debt Service Schedule

FY Ending 30-Jun	Series 2010 TWB	Series 2011 CO	Series 2011 Refunding	Combined Totals	Combined Debt Balance
2020	5,000	70,336	56,166	131,502	$ 1,175,800.00
2021	50,000	83,828		133,828	$ 1,041,972.00
2022	50,000	86,972		136,972	$ 905,000.00
2023	50,000			50,000	$ 855,000.00
2024	50,000			50,000	$ 805,000.00
2025	50,000			50,000	$ 755,000.00
2026	50,000			50,000	$ 705,000.00
2027	50,000			50,000	$ 655,000.00
2028	50,000			50,000	$ 605,000.00
2029	50,000			50,000	$ 555,000.00
2030	50,000			50,000	$ 505,000.00
2031	50,000			50,000	$ 455,000.00
2032	50,000			50,000	$ 405,000.00
2033	50,000			50,000	$ 355,000.00
2034	50,000			50,000	$ 305,000.00
2035	50,000			50,000	$ 255,000.00
2036	50,000			50,000	$ 205,000.00
2037	50,000			50,000	$ 155,000.00
2038	50,000			50,000	$ 105,000.00
2039	50,000			50,000	$ 55,000.00
2040	55,000			55,000	$ -
	$ 1,040,000.00	**$ 580,852.00**	**$ 563,990.00**	**$ 2,184,842.00**	

CITY OF SAN AUGUSTINE

Certificate of Obligation 2010 TWB -- $1,050,000
Debt Service Schedule

FY Ending 30-Jun	Principal Due 15-Feb	Interest Rate	Interest Due 15-Feb	Interest Due 15-Aug	Total
2020	5,000	0.000%			5,000
2021	50,000	0.000%			50,000
2022	50,000	0.000%			50,000
2023	50,000	0.000%			50,000
2024	50,000	0.000%			50,000
2025	50,000	0.000%			50,000
2026	50,000	0.000%			50,000
2027	50,000	0.000%			50,000
2028	50,000	0.000%			50,000
2029	50,000	0.000%			50,000
2030	50,000	0.000%			50,000
2031	50,000	0.000%			50,000
2032	50,000	0.000%			50,000
2033	50,000	0.000%			50,000
2034	50,000	0.000%			50,000
2035	50,000	0.000%			50,000
2036	50,000	0.000%			50,000
2037	50,000	0.000%			50,000
2038	50,000	0.000%			50,000
2039	50,000	0.000%			50,000
2040	55,000				55,000
	$ 1,045,000.00		**$ -**	**$ -**	**$ 1,045,000.00**

CITY OF SAN AUGUSTINE

Combination Tax and Revenue Certificates of Obligation, Series 2011 -- $500,000
Debt Service Schedule

FY Ending 30-Jun	Principal Due 20-Mar	Interest Rate	Interest Due 20-Mar	Total
2020	65,000	2.320%	5,336	70,336
2021	80,000	2.320%	3,828	83,828
2022	85,000	2.320%	1,972	86,972
	500,000		**$ 80,852.00**	**$ 580,852.00**

CITY OF SAN AUGUSTINE

General Obligation Refunding Bonds, Series 2011 -- $600,000
Debt Service Schedule

FY Ending 30-Jun	Principal Due 15-Feb	Interest Rate	Interest Due 15-Feb	Interest Due 15-Aug	Total
2020	55,000	2.120%	583	583	56,166
	$ 520,000.00			**$ 43,990.00**	**$ 563,990.00**

CAPITAL PROJECTS FUND

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020

CAPITAL PROJECT FUND

	2015- 2016 ACTUAL	2016 - 2017 ACTUAL	2017 - 2018 ACTUAL	2018 - 2019 BUDGET	Y-T-D ACTUAL	2018 - 2019 PROJECTED	2019 - 2020 PROPOSED
CAPITAL PROJECT FUND							
FUND BALANCE	96,517	85,062	42,145	42,480	16,009	16,009	16,009
Revenue From System Fund							
Interest Income	0	18	0	0	0		
2010 CO	0	0	0	0	0	0	0
2011 CO	0	0	0	0	0	0	0
Ike 2	0	0	0	0	0	0	0
EDA	0	0	0	901,800	0	0	0
Capital Project Fund Expenses							
2010 CO	15,209	0	0	0	0	0	0
2011 CO	0	0	0	0	0	0	0
Ike 2	0	0	0	0	0	0	0
EDA	0	0	0	901,800	0	0	0
Miscellaneous		400	219				
Operating Transfer Out		42,200	25,917				
CAPITAL PROJECT FUND BALANCE	81,308	42,480	16,009	42,480	16,009	16,009	16,009

VEHICLE / EQUIPMENT EXISTING DEBT and PROPOSED PURCHASES

PROJECTED BUDGET WORKSHEET
FISCAL YEAR 2020
DEBT STATEMENT
Loan Debt

Loans In Budget	Outstanding FY 2019	PRINCIPAL FY 2019	INTEREST FY 2019	TOTAL PAYMENT FY 2019	ESTIMATED BALANCE FY 2020
Backhoe Purchased 1/22/19	86,219	13,895	1,436	15,331	72,324
Total Debt Service	86,219	13,895	1,436	15,331	72,324

Loans In Budget	Outstanding FY 2020	PRINCIPAL FY 2020	INTEREST FY 2020	TOTAL PAYMENT FY 2020	ESTIMATED BALANCE FY 2021
Backhoe Purchased 1/22/19	72,324	28,120	2,542	30,662	44,204
Mayor Car Purchase FY 2020	31,000	9,721	1,596	11,317	21,279
Police Car Purchase FY 2020 Replace Car Wrecked Reflects Balance Less Insurance Claim	13,709	13,709	0	13,709	0
Truck Water Distribution Sewer Collections	40,000	12,544	2,060	14,604	27,456
Bucket Truck	25,000	25,000		25,000	0
Total Debt Service	182,033	89,094	6,198	95,292	92,939

Print window sticker

Disclaimer: This window sticker is only representative of the information contained on an actual vehicle window sticker, and may or may not match the actual window sticker on the vehicle itself. Please see your retailer for further information.

Vehicle Description

VIN 1FM5K7D81KG **A08428**

EXPLORER 4-DOOR

2019 4DR FWD XLT
3.5L TI-VCT V6 ENGINE
6-SPEED AUTO TRANSMISSION

Exterior
OXFORD WHITE
Interior
EBONY BLACK INTERIORUNIQUE CLOTH BUCKET W/PWR DRVR

Standard Equipment INCLUDED AT NO EXTRA CHARGE

EXTERIOR
. EASY FUEL® CAPLESS FILLER
. INTEGRATED BLIND SPOT MIRR MANUAL FOLD
. REAR INT WIPER/WASH/DEFST
. ROOF-RACK SIDE RAILS-SLVR
. TRAILER SWAY CONTROL

INTERIOR
. 2ND ROW 60/40 FOLD FLAT
. CARPETED FLOOR MATS
. DUAL ILLUM VIS VANITY MIRR
. LEATHER WRAPPED STR WHEEL
. POWER DRIVER SEAT - 10 WAY
. POWERPOINTS - 12V
. STEERING TILT/TELESCOPE.

FUNCTIONAL
. AM/FM, MP3, 6-SPEAKERS
. CURVE CONTROL
. INTELLIGENT ACCESS W/PUSH
. MYKEY®
. REAR VIEW CAMERA
. SECURICODE KEYLESS KEYPAD
. SIRIUSXM® - SVC N/A AK&HI

SAFETY/SECURITY
. AIRBAGS - DUAL STAGE FRONT MOUNTED SIDE IMPACT
. FRONT PASS. KNEE AIRBAG
. LATCH CHILD SAFETY SYSTEM
. PERSONAL SAFETY SYSTEM

WARRANTY
. 5YR/60,000 POWERTRAIN
. DOOR HANDLES - BODY COLOR
. HEADLAMPS - AUTOMATIC
. MIRRORS-HTD/POWER GLASS,
. PRIVACY GLASS - REAR DOORS
. REAR SPOILER, BODY COLOR
. TAILLAMPS-LED
. VARIABLE INTERVAL WIPERS
. 1TOUCH UP/DOWN DR/PASS WIN
. 3RD ROW - 50/50 FOLD FLAT
. CLOTH BUCKET FRONT SEATS
. LEATHER SHIFT KNOB
. MANUAL A/C, SINGLE ZONE
. POWER PASS SEAT - 6-WAY
. SMART CHARGING USB PORT(1)
CRUISE & AUDIO CONTROLS
. 4.2" LCD CTR STACK SCREEN
. BRAKES, 4-WHEEL DISC/ABS
. HILL START ASSIST
BUTTON START
. POWER STEERING W/EPAS
. REVERSE SENSING SYSTEM
. SELECTSHIFT®
. SYNC® WITH APPLINK®
. ADVANCETRAC® WITH RSC®
. AIRBAGS - FRONT SEAT
. AIRBAGS - SAFETY CANOPY®
. INDIV TIRE PRESS MONIT SYS
. PERIMETER ALARM
. SOS POST-CRASH ALERT SYS
. 3YR/36,000 BUMPER / BUMPER
. 5YR/60,000 ROADSIDE ASSIST

Price Information	**MSRP**
STANDARD VEHICLE PRICE	**$34,400**

Included on this Vehicle
EQUIPMENT GROUP 200A

Optional Equipment
2019 MODEL YEAR
OXFORD WHITE
EBONY BLK UNIQUE CLOTH SEAT
.18" 5 SPOKE PAINTED ALUM WHLS
.3.5L TI-VCT V6 ENGINE
.6-SPEED AUTO TRANSMISSION
.P245/60R18 A/S BSW TIRES
FLEX-FUEL CAPABILITY
FRONT LICENSE PLATE BRACKET

TOTAL VEHICLE & OPTIONS	34,400
DESTINATION & DELIVERY	995
TOTAL MSRP	**$35,395**

Disclaimer: Option pricing will be blank for any item that is priced as 0 or "No Charge".

Fuel Economy Information

CITY MPG
17
HIGHWAY MPG
24

Estimated Annual Fuel Cost: $

Vehicle Engine Information

Actual mileage will vary with options, driving conditions, driving habits and vehicle's condition. Results reported to EPA indicate that the majority of vehicles with these estimates will achieve between _ and _ mpg in the city and between _ and _ mpg on the highway. **For Comparison Shopping** all vehicles classified as have been issued mileage ratings from _ to _ mpg city and _ to _ mpg highway.

EXTENDED SERVICE PLAN

Ford Extended Service Plan is the ONLY service contract backed by Ford and honored by the Ford and Lincoln dealers. Ask your dealer for prices and additional details or see our website at www.Ford-ESP.com.

$29,168.96 plus any applicable fees

Fiscal Year 2020
Financed for 36 Months
Principal -- $31,000.00
Estimated Monthly Payment $943.08 Annually $11,256.96

3/26/2019 IMS2 screen capture

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CNGP530                  VEHICLE ORDER CONFIRMATION          03/26/19 16:11:46
==> _________ ____________________________________                Dealer: F52689
                          2020 EXPLORER 4-DOOR                     Page: 1 of 1
Order No: 5235    Priority: B4  Ord FIN: QL080  Order Type: SB Price Level: 02B
Ord Code: 500A Cust/Flt Name: CITY OF SA          PO Number:
                        RETAIL                                        RETAIL
K8A  4DR AWD POLICE  $40615                    SP FLT ACCT CR
     .119.09" WB                               FUEL CHARGE
YZ   OXFORD WHITE                        B4A   NET INV FLT OPT      NC
9    CLTH BKTS/VNL R                           DEST AND DELIV     1095
6    EBONY                               TOTAL BASE AND OPTIONS 38940
500A EQUIP GRP                           TOTAL                  38940
     .AM/FM STEREO                       *THIS IS NOT AN INVOICE*
99B  3.3L V6 TI-VCT   (3530)
44U  10SPD AUTO TRAN     NC
425  50 STATE EMISS      NC
51T  SPT LAMP DR LED     420
55F  KEYLESS - 4 FOB     340
     FLEX-FUEL
153  FRT LICENSE BKT     NC
     SP DLR ACCT ADJ
F1=Help                F2=Return to Order          F3/F12=Veh Ord Menu
F4=Submit              F5=Add to Library
S099 - PRESS F4 TO SUBMIT                                        QC04548
```

2020 Police Explorer w/ V6 Engine

$32,213.56

Fiscal Year Budget 2020
Replacement for Vehicle Wrecked
Account Number -- 01-506-59040
Amount Budgeted -- $13,709.00
Insurance Claim -- $18505.00

Fiscal Year Budget 2020
Purchase a Truck for the
Water Distributions / Sewer Collections (Mobile 2)

Financed for 36 Months

Principal $40,000.00

Estimated Monthly Payments $1217.00
Annually $14,604.00

Water Distribution
$7302.00
Sewer Collections
$7302.00

Approved with the Fiscal Year Budget 2020 to lease/purchase a small bucket truck for the Electrical Department.

Account Number -- 02-540-59040
Budgeted Amount -- $ 25,000.00