

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
SANITARY SEWER OVERFLOW (SSO) AGREEMENT  
ANNUAL PROGRESS REPORT**

**INSTRUCTIONS**

- This form is optional; however, it identifies the required and optional information to be included in the annual progress report for participants in the SSO Initiative. **Participants are highly encouraged to use the form.**
- You may attach to this form any additional information that demonstrates the progress made during the reporting period (such as graphs, photos, work order receipts, etc.)
- The **annual reporting period is located in your Agreement.** Typically, an initial progress report is due 90 days after the effective date of the Agreement, with progress reports due annually thereafter.  
This form may also serve as a template for developing your SSO plan
- For each section that is completed, please reference the corresponding provision number from the Agreement  
Participants are required to report the items marked with an asterisk (\*) including all items in Section 1 through Section 4.

**SECTION 1. PARTICIPANT INFORMATION**

1.1 Participant Name*	
1.2 Case Number (located on the Agreement)*	
1.3 Regulated Entity Number*	
1.4 State Water Quality Permit Number (if applicable)*	
1.5 Representative Name & Title*	
1.6 Representative Phone #* (area code and # - no dashes)	
1.7 Annual Reporting Period (Month and Year - see instructions)*	

**SECTION 2. EVALUATING THE EFFECTIVENESS OF THE PLAN**

2.1 Provide the total number of SSOs (As a separate attachment, include a list of SSOs that details the date, volume, and cause for each SSO event) that occurred during the reporting period.*					
2.2 Provide a brief summary of how the corrective actions that were completed during this reporting period have already contributed to a reduction of SSOs in the system.*					

2.3 What actions are currently being taken or planned to ensure a reduction of SSOs will occur in the future?\*

2.4 Provide any additional information that demonstrates the success of your program (e.g. Compare the number of wet weather overflows with dry weather overflows to show inflow/infiltration (I/I) reduction).\*

### SECTION 3. INTERIM MEASURES TO MITIGATE SSOs

3.1 Describe your SSO response plan.\*

3.2 What actions were taken during this reporting period to mitigate SSOs?\*

3.3 What improvements were made to your SSO response plan?\*

#### SECTION 4. SOURCES OF FUNDING

4.1 Provide a summary of the costs expended for completed projects during this reporting period.\*

4.2 Describe the anticipated and confirmed sources of funding for the next two years.\*

## SECTION 5. OPERATIONS AND MAINTENANCE (O&M) PROGRAM

5.1 Briefly describe your O&M Program for the reporting period.\*

### 5.2 O&M Activities

Quantify the following components of your O&M activities for the reporting period. If you did not conduct an activity, please indicate with N/A.

5.2.1 Inspection frequency of the system (sewer pipes, lift stations, manholes, etc.)\*

<b>5.2.2 Cleaning frequency of the system (sewer pipes, lift stations, manholes, etc.)*</b>	
<b>5.2.3 Total number of linear feet of sewer pipe in the system*</b>	
<b>5.2.4 Total number of linear feet of sewer pipe inspected*</b>	
<b>5.2.5 Total number of manholes in the system*</b>	
<b>5.2.6 Total number of manholes inspected*</b>	
<b>5.2.7 Total number of lift stations in the system*</b>	
<b>5.2.8 Total number of lift stations inspected*</b>	
<b>5.2.9 Total number of linear feet of sewer pipe cleaned*</b>	
<b>5.2.10 Describe the types of SSO-related employee training that was completed (e.g., Capacity, Management, Operations, &amp; Maintenance; Fats, Oils, &amp; Grease; etc.)*</b>	

5.2.11 Other

## SECTION 6. SYTEM EVALUATION & REHABILITATION

### 6.1 System Evaluation

Quantify or describe the following measures used to evaluate your system's capacity; inflow/infiltration (I/I) rate; etc. that were completed during the reporting period. If you did not conduct an activity, please indicate with N/A.

6.1.1 Flow Monitoring (e.g., wastewater treatment facility; lift stations; rainfall records, etc.)

6.1.2 Dye Testing (e.g., to identify leaks, illegal connections, etc.)

<p><b>6.1.3 Smoke Testing (e.g., to identify illegal connections, exposed cleanouts, etc.)</b></p>	
<p><b>6.1.4 Evaluation to identify the location and condition of sewer pipes.</b></p>	
<p><b>6.1.5 Evaluation to identify the location and condition of manholes.</b></p>	

**6.1.6 Evaluation to identify the location and condition of lift stations.**

**6.1.7 Closed Circuit Television**

**6.1.8 System Mapping Updates**



6.1.9 Other	
<b>6.2 Rehabilitation Projects</b>	<b>Quantify or describe the following rehabilitation projects that were completed during the reporting period. Please provide specific details, such as the number of linear feet, sizes of sewer pipes, number of manholes, etc. If you did not conduct an activity, please indicate with N/A.</b>
6.2.1 Number of Sewer Pipes Repaired/Rehabilitated*	
6.2.2 Number of Sewer Pipes Replaced*	
6.2.3 Number of Sewer Pipes Removed	
6.2.4 Number of Sewer Pipes Added	
6.2.5 General Sewer Pipe Improvements	
6.2.6 Number of Manholes Repaired/Rehabilitated*	
6.2.7 Number of Manholes Replaced*	
6.2.8 Number of Manholes Removed	
6.2.9 Number of Manholes Added	

<b>6.2.10 General Manhole Improvements (e.g., installing locks, replacing covers, etc.)</b>	
<b>6.2.11 Number of Lift Stations Repaired/Rehabilitated*</b>	
<b>6.2.12 Number of Lift Stations Replaced*</b>	
<b>6.2.13 Number of Lift Stations Removed</b>	
<b>6.2.14 Number of Lift Stations Added</b>	
<b>6.2.15 General Lift Station Improvements (e.g., electrical upgrades, installation of monitoring systems, etc.)</b>	
<b>6.2.16 Other</b>	

7.1 General SSO Education & Outreach	Quantify or describe the following measures completed under your SSO Education Program (if applicable) during the reporting period. Please provide specific details, such as number/frequency of brochures distributed, etc.
7.1.1 Educational Brochures (e.g., bill inserts, door knockers, etc.)	
7.1.2 Media Advertisements (e.g., television, radio, newspaper, etc.)	
7.1.3 Website Updates	
7.1.4 Educational/Training Opportunities (e.g., community events, school programs, etc.)	
7.1.5 City Ordinances	
7.1.6 Other	

7.2 Fats, Roots, Oil, & Grease (FROG) Program	Quantify or describe the following measures completed under your FROG Program (if applicable) during the reporting period. Please provide specific details, such as number/frequency of brochures distributed, etc.
7.2.1 Number of Grease Trap/Interceptor Inspections*	
7.2.2 Grease Ordinance Updates	
7.2.3 Grease Ordinance Enforcement	
7.2.4 Grease Control Methods	

7.2.5 Food Service Establishment Training

7.2.6 Root Control Methods

**SECTION 8. ADHERENCE TO MILESTONES**

8.1 Discuss/describe all of the milestones that were completed in accordance with the requirements of the Agreement during the reporting period.\*

8.2 Discuss/describe all of the milestones that were NOT completed in accordance with the requirements of the Agreement during this reporting period. Include any changes you plan to make to ensure that milestones are completed for the next two years.\*

8.3 Provide a list of scheduled projects that are planned for the next two years.\*

#### SECTION 9. MISCELLANEOUS

Provide any additional information you feel necessary to demonstrate compliance under the terms of the SSD Initiative.

#### SECTION 10. SIGNATURE

Signature:

Date:

Name (printed or typed):

Title:

## **Exhibit 5**

### **SEWRP Capital Improvements Summary**



### **Southeast Water Reclamation Plant Capital Improvements**

In 2004 the Lubbock City Council approved a study for various effluent management opportunities to determine the most efficient and effective use of treated effluent. In 2007 the City Council adopted the City of Lubbock Strategic Water Supply Plan, which included the recommendation to upgrade the Southeast Water Reclamation Plant (SEWRP) in order to produce stream quality effluent for possible reuse. The City currently has three operational treatment plants located at the SEWRP.

- Plant 1: Decommissioned.
- Plant 2: Biotower plant with effluent permitted for reuse or land application.
- Plant 3: Activated sludge plant. Effluent is permitted for reuse and land application.
- Plant 4: Activated sludge treatment plant which includes tertiary treatment. The effluent is permitted to discharge into the North Fork of the Double Mountain Fork of the Brazos River.

The City of Lubbock has divided the upgrade of the SEWRP into four different phases as described below.

#### **Phase I – Headworks Improvements**

Completion: 2008

Cost: \$3,000,000

This was an upgrade of the Headworks lift station by decommissioning screw pumps and installing submersible pumps to replace them.

#### **Phase II – Plant 4 Improvements**

Completion: 2011

Cost: \$45,300,000

This was an upgrade of Plant 4 which included the installation and/or construction of:

- a grit system and fine screens with compact washer at the headworks facility;
- a primary and secondary clarifier;
- a Biological Nutrient Removal (BNR) Integrated Fixed Film Activated Sludge (IFAS) basin;
- two single stage blowers and a multistage blower for the activated sludge process;
- an intermediate lift station;
- a ferric chloride chemical facility for phosphorus removal;
- an Ultraviolet (UV) disinfection facility;
- a cloth media filter complex;

In addition, this phase included the rehabilitation of two primary and secondary clarifiers, and two retrofitted activated sludge basins to BNR IFAS activated sludge basins. This phase also included upgrades to Plant 3 consisting of a UV disinfection facility and cloth media filter complex.



**Phase III – Solids Handling Improvements**

Part 1 Completion: 2013

Cost: \$18,350,000

Phase III part I consisted of the rehabilitation of two anaerobic digesters. Upgrades included a new gas flare piping, new pump and mix system, installation of new boilers, new dome roofs, new solids centrate retention basin, and new sludge line yard work.

Part 2 Completion: December 2017

Cost: \$46,000,000

Phase III part II consists of the rehabilitation of the solids handling building. This includes replacement of gravity belt thickeners with rotary drum thickeners, replacement of belt presses with centrifuges, new polymer system, new mixing systems and covers for two sludge holding tanks, new odor control for the solids and headworks buildings, new cake loading facility, and new yard sludge piping.

**Phase IV – Plant 3 Improvements (Future)**

This future phase includes upgrades of the Plant 3 activated sludge basins to BNR and IFAS which is in the City's future capital project plan.

**Exhibit 6**

**2012 Order to Terminate Agreed Order**

## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



IN THE MATTER OF  
THE CITY OF LUBBOCK;  
PERMIT NO. WQ0010353002  
RN101609949

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BEFORE THE  
TEXAS COMMISSION ON  
ENVIRONMENTAL QUALITY

## ORDER TO TERMINATE AGREED ORDER

DOCKET NO. 2012-1903-MWD-E

At its NOV 14 2012 agenda, the Texas Commission on Environmental Quality ("Commission" or "TCEQ") considered this Order to Terminate Agreed Order Issued to the City of Lubbock ("Respondent") and approved by the Texas Water Commission ("TWC"), predecessor to TCEQ, on November 16, 1989. The Order resulted from an enforcement action under the authority of TEX. WATER CODE ch. 26. The Executive Director of the TCEQ, represented by the Litigation Division, presented this order to the Commission.

The Commission makes the following Findings of Fact and Conclusions of Law:

## FINDINGS OF FACT

1. The City of Lubbock owns and operates two wastewater treatment facilities: the Lubbock Land Application Site (the "LLAS") and the Hancock Land Application Site (the "HLAS"). In the late 1970's, the City of Lubbock ("the City") initiated a groundwater remediation plan ("plan") to lower the water table mound at the "Gray Farm" (property purchased by the City in 1986 and now known as the "Lubbock Land Application Site" or "LLAS"). The City's Facility contains elevated levels of nitrates.
2. A TWC Agreed Order was issued on November 16, 1989 as the result of an enforcement action against the City. A copy of that Order is attached hereto as Attachment "A" and is incorporated herein for all purposes.
3. The Order required the City to perform certain corrective actions and to pay an administrative penalty in the amount of eighty-four thousand dollars (\$84,000.00), of which forty-two thousand dollars (\$42,000.00) of this penalty was deferred contingent upon full compliance with the technical requirements contained within the Order.
4. The City of Lubbock paid forty-two thousand dollars (\$42,000.00) of the administrative penalty.

**Order to Terminate Agreed Order**  
**Docket No. 2012-1903-MWD-E**  
**TPDES Permit No. WQ0010353002**  
**City of Lubbock**

5. The City is in compliance with Ordering Provision Nos. 1 through 6 and 9 through 10 of the 1989 Agreed Order.
6. The two outstanding Ordering Provisions (Nos. 7 and 8) in the 1989 Agreed Order have been incorporated into the City's Texas Pollution Discharge and Elimination System ("TPDES") Permit No. WQ0010353002, Other Requirements, Paragraph No. 18 ("the Permit"), Issued October 26, 2011.
7. The Executive Director recognizes that the City is in compliance with Permit No. WQ0010353-02, Other Requirements, Paragraph No. 18. Paragraph No. 18 of the Permit incorporates Ordering Provisions (Nos. 7 and 8) of the 1989 Agreed Order.
8. The 1989 Order does not contain a provision to terminate it within any period of time.

#### **CONCLUSIONS OF LAW**

1. As evidenced by Finding of Fact No. 1, the City is subject to the jurisdiction of the TCEQ pursuant to TEX. WATER CODE ch. 26 and the rules of the Commission.
2. The Commission has jurisdiction of this matter pursuant to TEX. WATER CODE § 5.013 because it alleges violations of TCEQ rules.

#### **ORDERING PROVISIONS**

NOW, THEREFORE, THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
ORDERS that:

1. The 1989 Agreed Order, approved by the TWC on November 16, 1989, which resulted from an enforcement action against the City, is hereby terminated.
2. The Chief Clerk shall provide a copy of this Commission Order to each of the parties. Pursuant to 30 TEX ADMIN. CODE § 70.10(b) and TEX. GOV'T CODE § 2001.142, the effective date is the date of hand-delivery of the Order to the City, or three days after the date on which the Commission mails notice of the Order to the City, whichever is earlier.

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City of Lubbock

**SIGNATURE PAGE**

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

  
For the Commission