

# 2014 Annual Report

NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

# Board of Directors

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Philip Sanders, Vice-President

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Eddy Daniel, Member

## Cooke County

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Kenny Klement, Member

Ron Sellman, Member

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Evan Groeschel, Member

## Staff

Drew Satterwhite, P.E., General Manager

Debi Atkins, Finance Officer

Laurie Killian, Accounting Assistant

Alan Moore, Operations Supervisor

Wayne Parkman, Field Technician

Carmen Catterson, Secretary/Mapping Technician

Carolyn Bennett, Administrative Assistant/Project Coordinator

Theda Anderson, Clerk

## **I. Introduction**

In 1997 Senate Bill 1, enacted by the Texas Legislature, confirmed a state policy that “groundwater conservation districts... are the state’s preferred method of groundwater management through rules developed, adopted and promulgated by a district...” Subsequently, the Texas Commission on Environmental Quality issued a report in 2007 advising that one or more groundwater conservation districts would need to be created in the 13-county area of North Central Texas, including the Counties of Collin, Cooke and Denton. North Texas Groundwater Conservation District (“District”) was created by Senate Bill 2497, May 27, 2009. Creation of the District was confirmed by Commissioners Court of Collin County August 10, 2009, Commissioners Court of Cooke County August 10, 2009 and Commissioners Court of Denton County August 11, 2009.

Temporary Rules were adopted by the Board of Directors October 19, 2010. As required by Chapter 36 of the Texas Water Code, the District provides for conserving, preserving, protecting, recharging and preventing the waste of groundwater. The adopted Rules provide protection to existing wells, prevent waste, promote conservation, provide a framework to allow availability and accessibility of groundwater for future generations, protect quality of ground water in recharge zone of aquifer, and insure residents of Collin, Cooke and Denton Counties maintain local control over their groundwater. The Rules also insure the District operates in a fair and equitable manner for all residents of the District. The Rules were updated in May of 2014. These amendments addressed adding a definition for a replacement well, clarifying capping guidelines, and approval of methods for water production reports.

The District adopted its Management Plan April 19, 2012. One requirement of the Management Plan is for an Annual Report to be provided to the Board of Directors. This report is presented to the Board of Directors of the North Texas Groundwater Conservation District pursuant to this requirement.

## II. General Manager's Report

The District adopted its Management Plan in April of 2012. Pursuant to that Plan, this annual report has been prepared by District staff for presentation to the Board to keep them informed of the status of goals adopted by the Plan, and subsequently approved by the Texas Water Development Board.

Wells drilled after April 1, 2011 and all existing non-exempt wells are required to be registered with the District. Monthly briefings are presented in the General Manager's Report at District Board meetings.

**During 2014, the North Texas GCD Board of Directors and staff accomplished the following tasks:**

- Temporary Rules Update
  - Rule 1.1(7) added for definition of capped well
  - Rule 1.1(9) added for definition of contiguous
  - Rule 1.1(12) definition of domestic use expanded
  - Rule 1.1(39) definition of tract added
  - Rule 1.1(44) definition of well system expanded
  - Rule 3.7 expanded to address capping wells
  - Rule 3.10(a) revised to allow annual reporting of water loss
  - Rule 3.10(b) revised regarding date quarterly reports are due to 30 days after last day of applicable quarterly reporting period
  - Rule 4.3 Replacement Wells added
  - Rule 7.3(a) regarding water production reports revised to state quarterly reports are due no later than 30 days from the end of applicable reporting period
  - Rule 7.4(a) regarding late payment fee revised from 10% to 15%
  - Rule 8.1(g) regarding bypasses revised to add violation for use of bypass to avoid recording groundwater production on a well meter
  - Rule 8.3 Metering Aggregate Withdrawal removed in its entirety
  - Rule 8.5 Water Meter Readings revised to remove language regarding sub meters
- Meter inspection program continued, including the meter sealing policy to assure meters stay with the well for which it is assigned
- Annual well inspection program sustained
- Coordination with the Texas Railroad Commission addressing potential impacts from historic and ongoing oil and gas exploration
- Well monitoring activities continued
- Continued public information program in each county by providing brochures regarding registering wells to cities, counties, water providers and other entities involved in groundwater production, and publishing article in newspaper of general circulation for each county regarding registration of wells
- Provided information to public agencies regarding the North Texas GCD
- Provided programs to civic clubs
- Provided Major Rivers curriculum for water conservation to 4<sup>th</sup> grade classes within the District
- Collection of water loss data
- Continued development of Desired Future Conditions
- Continued participation in updating Groundwater Availability Model for the Northern Trinity/Woodbine Aquifer
- Participated in groundwater quality study in partnership with the University of Texas at Arlington researchers through a private firm

### III. Management Goals

The District Management Plan, adopted April 19, 2012, provides that an Annual Report be prepared by the General Manager and staff of the District, covering the activities of the District, including information concerning the District's performance in regards to achieving the District's management goals and objectives.

#### Goal 1 – Providing the most efficient use of water

**Management Objective 1.1A** – All new wells drilled after April 1, 2011 and all existing non-exempt wells are required to be registered with the District.

**Performance Standard 1.1A** – Subsequent to adoption of the Plan, briefings are being provided by the General Manager to the Board of Directors regarding well registration program at the monthly board meetings.

Current number of wells registered in the District: 1,325

Aquifers in which the wells have been completed: Trinity and Woodbine

**Management Objective 1.1B** – Beginning in April 2011 District launched an on-line registration program in order to register and collect important information regarding all non-exempt wells drilled on or after April 1, 2011. In order to ensure all wells required to be registered are registered, an on-going media outreach program to educate the citizens of the requirement to register wells has been developed.

Identified local and regional media outlets:

1. Newspapers of local circulation
2. County tax offices
3. Boards of Realtors (Collin, Cooke and Denton Counties)
4. Title Companies
5. County Extension Services (Collin, Cooke and Denton)/Texas AgriLife Extension Service
6. Municipalities and other water providers, i.e. water supply corporations, special utility districts, etc.
7. Area universities conducting research relative to groundwater resources

**Performance Standard 1.1B** - Media Outreach Program has been developed to educate the citizens of the requirement to register wells, a summary of media outlets for which Public Service Announcements were distributed are being reported on a quarterly basis, and also will be included in Annual Report presented by the General Manager.

#### Summary of Public Service Announcements for 2014

Number of media outlets for which Public Service Announcements were distributed for the year: 4

1<sup>st</sup> Quarter- pamphlets encouraging well registration distributed to city halls, county courthouses in Collin, Cooke and Denton Counties.

2<sup>nd</sup> Quarter – Presentation at Hagerman National Wildlife Refuge by General Manager Drew Satterwhite, P.E., regarding prevention of waste of groundwater resources. Collin County represented by Celina ISD. In addition, the groundwater quality study was conducted on wells in the District - well owners participating in the research were required to register their wells.

3<sup>rd</sup> Quarter – Newspaper article in Gainesville Daily Register (Cooke County) and McKinney Courier Gazette (Collin County) regarding registration of wells.

4<sup>th</sup> Quarter – Newspaper article in Denton County Chronicle regarding registration of wells.

**Management Objective 1.1C** – All non-exempt and exempt wells drilled on or after April 1, 2011 are required to be registered with the District. Beginning in November 2011 the District initiated a field inspection/audit program, with the objective of inspecting 5 wells per month. These inspections/audits will confirm a well has been registered, accuracy of the well location, and accuracy of certain other required well registration information.

**Performance Standard 1.1C** – Requirement to inspect/audit well sites each month to confirm well registration requirements has been met. This information is reported in Table 1.1C.

**2014**

**Well Inspections**

**Table 1.1C**

Month	Cooke	Denton	Collin	Total
January	8	10	9	27
February	2	10	0	12
March	0	0	3	3
April	0	0	0	0
May	0	0	0	0
June	1	10	0	11
July	20	0	2	22
August	0	0	3	3
September	1	3	0	4
October	5	0	0	5
November	4	6	2	12
December	2	1	3	6
<b>Total</b>	<b>43</b>	<b>40</b>	<b>22</b>	<b>105</b>

This information is updated and presented monthly to the Board of Directors.

**Management Objective 1.2A** – A groundwater monitoring program was launched in 2013, to collect information on the quantity and quality of groundwater resources throughout the District. For the first two years, beginning in 2013, District staff will work with Texas Water Development Board (“TWDB”) staff to monitor water levels in wells the TWDB staff currently monitors on an annual basis. After the initial two-year period, District staff will assume the responsibility of monitoring these wells at least annually. In addition, one additional well will be added in each county, for a total of three wells to the system. For the purpose of water quality sampling, the samples collected for water quality taken by the Texas Commission on Environmental Quality staff every five years will be used for monitoring purposes initially, and may be supplemented as determined by the Board in the future. All information collected will be entered into the District’s geodatabase.

Upon implementation of the groundwater monitoring program, District staff will provide updates concerning this program. This information is provided in a quarterly report to the Board of Directors in an effort to keep the Board apprised of all activities of the District required by the Plan, both current and future.

**Performance Standard 1.2A (1)** – Number of wells in Collin, Cooke and Denton Counties for which water levels were measured per year:

**Wells Measured**

**Table 1.2A**

Year	Wells Measured
2014	31
2013	22

District Field Technician conducted well monitoring event during 2014, measuring water well levels in monitoring wells for the North Texas Groundwater Conservation District. Thirty-one wells were visited, with eight being measured in Collin County, nine in Cooke County and thirteen measured in Denton County.

**Performance Standard 1.2A (2)** – Number of wells per year in Collin, Cooke and Denton Counties for which water samples were collected for testing of water quality: The Texas Commission on Environmental Quality provides a Consumer Confidence Report that provides consumers with information about the quality of drinking water. This data may be reviewed at [www.tceq.texas.gov/drinkingwater/ccr/](http://www.tceq.texas.gov/drinkingwater/ccr/) for water systems.

**Management Objective 1.2B** – In order to ensure the efficient use of groundwater, adequate data must be collected to facilitate groundwater availability modeling activities necessary to understand current groundwater resources and the projected availability of those resources in the future. Monitoring wells will be established by the District for continuous time information on water levels in targeted locations on a schedule as determined by the District’s Board of Directors, as funds become available.

**Performance Standard 1.2B** – Number of wells for which water levels in targeted locations will be available for viewing on the District’s website as they are established.

**Management Objective 1.3A** – All non-exempt wells are to be equipped with meters to measure use of groundwater. Meter logs with at least monthly records of water use are required to be kept by the well owner/operator. Cumulative water use to be reported by well owner/operator on a quarterly basis. General Manager will report to Board of Directors at the first meeting practicable at the conclusion of each reporting period. District’s objective is that 95% of all registered non-exempt wells will report water use by the reporting deadlines established by the District’s rules.

**Performance Standard 1.3A** – Percentage of registered non-exempt wells meeting reporting requirements of water use:

**Percentage of Registered Non-Exempt Wells Meeting Reporting Requirements of Water Use**

**Table 1.3A**

Year	Percentage Meeting Reporting Requirements
2012	85
2013	89
2014	95

**Management Objective 1.3B(1)** – A meter inspection program has been implemented by District staff, so that meters for all registered non-exempt wells will be inspected on at least a five-year cycle by District personnel. These inspections at a minimum verify proper installation and operational status of meters and record the meter reading at the time of inspection. This meter reading is compared to the most recent water

use report for the inspected well. Any potential violation of District Rules regarding meter installation and reporting requirements will be reported to the Board of Directors at their next practicable meeting for consideration of possible enforcement actions.

**Management Objective 1.3B(2)** – Information containing annual water use, by registered well, by county, and by aquifer, will be included in the Annual Report presented by the General Manager. The report will include a comparison of reported water use versus the estimate of modeled available groundwater (the sum of exempt and permitted groundwater) established as a result of the Desired Future Conditions for aquifers in the District.

**Performance Standard 1.3B (1)** - Percentage of registered non-exempt wells inspected by District personnel annually to verify meters meet District requirements:

### **Percentage of Registered Non-Exempt Wells**

#### **Inspected Annually**

**Table 1.3B**

<b>Year</b>	<b>Percentage of Wells Inspected</b>
2012*	74%
2013	6%
2014	21%

\* 2012 percentages of wells inspected provided in 2013 Annual Report (50%) were calculated utilizing all registered wells instead of only non-exempt wells. The correct percentage of non-exempt wells inspected annually for 2012 is 74%.

**Performance Standard 1.3B (2)**- Comparison of annual water use versus estimates of modeled available groundwater established as a result of the adopted Desired Future Conditions to be included in Annual Report provided by the General Manager at the first regularly scheduled meeting after which adopted Desired Future Conditions are available.

### **Goal 2 – Controlling and preventing waste of groundwater**

**Management Objective 2.1A** – An outreach strategy is being developed for waste prevention. The District website provides a link containing Best Management Practices and helpful tips to control and prevent waste of groundwater. Outreach opportunities will be developed with regional and local water providers to increase public awareness for the prevention of groundwater waste. Presentations developed will be delivered by Board and staff to civic groups and other public opportunities regarding the mission of the District with a focus on the need to prevent waste of groundwater. In addition, the District staff distributed curriculum from the Texas Water Development (Major Rivers Program) regarding water conservation to 4<sup>th</sup> grade classes within the District.

**Performance Standard 2.1A (1)** – A link has been provided on the District website to Best Management Practices and helpful hints to control and prevent waste of groundwater.

The following is an excerpt of information available on the District website:

## **Conservation**

How much water do you use at your home? Estimate your daily and annual water use and learn methods to conserve water at the [Home Water Works site](#).



## **Water Conservation Information Websites:**

[Texas Water Conservation Association](#)  
[Texas Water Development Board](#)  
[Water Conservation Advisory Council](#)  
[Texas Water Foundation](#)  
[Texas Water Conservation Association](#)  
[Water IQ](#)  
[Save Texas Water](#)  
[Region C Water Conservation Tips](#)  
[Region C Water Planning Group](#)  
[HomeIntelligence At-Home Water Conservation Guide](#)

## **Best Management Practices**

[TWDB Best Management Practices for Conservation](#)  
[Agricultural Best Management Practices](#)  
[Municipal Best Management Practices](#)  
[Wholesale Supplier Best Management Practices](#)  
2011 Region C Water Plan - Chapter 4 - Identification, Evaluation, and Selection of Water Management Strategies ([4A](#), [4B](#), [4C](#), [4D](#), [4E](#), [4F](#), [4G](#), [4H](#))

## **Articles**

[Water Is Life](#)  
Texas Coop Power  
[Private-public partnership aims to save water](#)  
San Antonio Express  
[Taking the Ick Factor Out of Recycled Water](#)  
New York Times  
[Agriculture commissioner urges water conservation](#)  
Times Record News  
[In wake of Texas drought, water and politics mix](#)  
Austin American-Statesman

## **Brochures**

[A Watering Guide for Texas Landscapes](#)  
[Water Conservation for Industries, Businesses and Institutions](#)  
[Water Conserving Tips](#)  
[Conserving Water Indoors](#)  
[Conserving Water Outdoors](#)  
[Agricultural Water Conservation Irrigation Water Use Management Best Management Practices](#)  
[Agricultural Water Conservation Best Management Practices Overview](#)

## **Brochures in Spanish**

[Cuarenta Y Nueve Consejos Practicos Para Conservar Agua \(Forty-Nine Water Saving Tips\)](#)

Xeriscape (Xeriscape - Principles and Benefits)  
The Dillos Demonstrate Wordless Water Conservation

**Performance Standard 2.1A (2)** – Participation with regional and local water providers in public outreach opportunities will be reported in Annual Report presented by General Manager: May 18, 2014 General Manager Drew Satterwhite, P.E. delivered a presentation at Hagerman Wildlife Refuge regarding the prevention of waste of groundwater. In addition, the District staff distributed curriculum from the Texas Water Development (Major Rivers Program) regarding water conservation to 4<sup>th</sup> grade classes within the District.

**Performance Standard 2.1A (3)** – Number of total presentations made by Board and staff for the year will be provided by General Manager in Annual Report: During 2014 one presentation was made by General Manager Drew Satterwhite, P.E.

**Goal 3 – Controlling and preventing subsidence – not applicable to North Texas GCD**

**Goal 4 – Addressing conjunctive surface water management issues**

**Management Objective 4.1A** – Coordinating with surface water management agencies. Designated board member or General Manager shall attend a minimum of 75 percent of meetings and events of Region C Water Planning Group. Participation in the regional water planning process will ensure coordination with surface water management agencies that are participating in the regional water planning process.

**Performance Standard 4.1A** – Report on actions of Region C Water Planning Group shall be provided to the Board as appropriate. General Manager to document meetings attended and significant actions of the planning group in Annual Report.

General Manager Drew Satterwhite, P.E. attended one of the three meetings held in 2014, and Board Member Ron Sellman attended one of the three meetings in Mr. Satterwhite's place.

March 31, 2014 Meeting: During this meeting the Region C Water Planning Group approved submittal of a letter to the Texas Water Development Board ("TWDB") requesting use of Safe Yield to determine available supply from Tarrant Regional Water District's reservoirs, ratified amendments to the contract between the TWDB and North Texas Municipal Water District regarding the 2015 Region C Water Plan and amended the contracts with consultants to incorporate same provisions, approved revision to the Region C approved demand projections to include demand for the DFW International Airport, appointed members to the Sub-Committee on SWIFT Prioritization for the TWDB, reviewed the schedule for Region C Water Planning Group, reviewed prioritization of projects from the 2011 Plan, reviewed the draft proposed resolution to the Region C and Region D interregional conflict, reviewed a letter from the City of Mansfield regarding a Flood Protection planning grant, discussed new member training for members new to the regional planning process, received an update on Tasks 3, 4 and 10, received update on appointments to the SWIFT Advisory Committee, received reports from Region B, Region D, Region G, Region H and Region I liaisons, received a report from Temple McKinnon of the TWDB regarding demand projections, and received a report from Darrell Dean of the Texas Department of Agriculture.

May 19, 2014 Meeting: The Region C Water Planning Group approved the draft prioritization of projects in the Region C 2011 Water Plan, voted to authorize the Region C Water Planning Group Officers to develop and submit a brief and response brief to address the TWDB concerning the TWDB's Executive Administrator's final recommendation on the interregional conflict resolution, approved submittal by consultants of the TWDB required data tables containing all WUG demand and current supply, received the project schedule update for 2014 for Region C Water Planning Group, and received brief reports from liaisons for Region B, Region D, Region G, Region H, and Region I.

August 18, 2014 Meeting: Approval of the Final Prioritization of Projects in the 2011 Region C Water Plan for submittal to the TWDB by September 1, 2014, submittal of Technical Data to the TWDB, approval of Resolution No. 14-1 appointing a sub-committee to comply with Task 7.3, appointing an Executive Committee to develop a slate of officers for 2015, update of schedule, review of the approval by the TWDB for Tarrant Regional Water District to use Safe Yield rather than Firm Yield, review of the interregional conflict resolution between Region C and Region D, review of the TWDB SWIFT proposed rules and criteria, review of the Northern Trinity/Woodbine Groundwater Availability Model 2014, review of the TWDB Regional Planning Database, review of Chapters 1 and 2, review of unique stream segment and reservoir site issues, review of proposed articles for upcoming 2014 Fall Newsletter, receipt of update on remaining tasks and next steps, and receipt of reports from liaisons represent Region B, Region D, Region H and Region I took place during the August meeting of the Region C Water Planning Group.

**Management Objective 4.2A** – Designated technical representative of the District will monitor and participate in all stakeholder meetings of the ongoing and future Northern Trinity/Woodbine Aquifer and other meetings if necessary.

**Performance Standard 4.2A** – Report on activities of the ongoing Northern Trinity/Woodbine Aquifer stakeholder meetings provided to Board of Directors monthly by Board Member Eddy Daniel.

## **Goal 5 – Addressing natural resource issues**

### **Management Objective 5.1 – Addressing potential impacts**

General Manager shall contact representatives of the Texas Railroad Commission, Texas Commission on Environmental Quality, Bureau of Economic Geology and other organizations as appropriate to assess and understand potential impacts of historic and on-going oil and gas exploration and production activities.

At the time the North Texas Groundwater Conservation District's Management Plan was developed, the Texas Commission on Environmental Quality was one of the contacts for potential impacts of historic and ongoing oil and gas exploration and production activities, and the Plan was drafted with the requirement that the District staff annually contact representatives of the Texas Railroad Commission, Texas Commission on Environmental Quality and Bureau of Economic Development. During the 2014 process of contacting these three agencies, TCEQ staff member Peggy Hunka informed District staff that conditions have changed, and the Texas Railroad Commission should currently be the only contact for the District for these activities. Ms. Hunka directed District staff to review the Joint Groundwater Monitoring Report available on the TCEQ website. District staff has added this report to the North Texas Groundwater Conservation District website under the Groundwater Information tab. This report is provided by the Texas Groundwater Protection Committee, which includes the following contributing state agencies and organizations:

Texas Commission on Environmental Quality  
Texas Water Development Board  
Railroad Commission of Texas  
Department of State Health Services  
Texas Department of Agriculture  
Texas State Soil and Water Conservation Board  
Texas Alliance of Groundwater Districts  
Texas A&M AgriLife Research  
Bureau of Economic Ecology  
Texas Department of Licensing and Regulation

Peggy Hunka indicated provision of this report on the District's website should satisfy this Management Objective in lieu of contacting the three agencies as set out in the original Management Plan, and suggested the Plan be updated in this manner. This report has been added to the District website, and the sections of the report relative to Collin, Cooke and Denton Counties has been provided in this report (Attachment B).

**Performance Standard 5.1A** – General Manager will present findings and any recommendations resulting from contacts with these entities as appropriate for the Board to consider.

Findings and recommendations resulting from these contacts for consideration by the Board during 2014: At this time there are no recommendations to be made. Joint Groundwater Monitoring Report has been added to District website, as requested by TCEQ staff member, and the sections relative to the North Texas Groundwater Conservation District (Collin, Cooke and Denton Counties) has been included as Attachment B to this Annual Report.

**Performance Standard 5.1B** – District will initiate and implement an injection well monitoring program by entering into an agreement with a firm that will monitor all injection well applications and notify the district of any potential impacts.

District has entered into an agreement, through the District's General Counsel, with a firm to monitor all injection well applications and notification of any potential impacts.

## **Goal 6 – Addressing drought conditions**

**Management Objective 6.1A** - Provide ongoing and relevant drought-related meteorological information

The District has made available through the District website easily accessible drought information with an emphasis on developing droughts and on any current drought conditions.

Performance Standard 6.1 – Current drought conditions information from multiple resources including Palmer Drought Severity Index for the region and Drought Preparedness Council Situation Report is available to the public on the District's website.

The following is an excerpt of information available on the District website.

## **Drought Information Websites**

[Drought Sense](#)

[TWDB Drought Information](#)

[Drought Preparedness Council Situation Report](#)

[State Impact: Dried Out - Confronting the Texas Drought](#)

## **Articles**

[It's All the Same Water](#)

Texas Coop Power

[Water for All](#)

Texas Coop Power

[Water crisis conference scheduled in Amarillo](#)

Amarillo.com

[Area in extreme drought increases by size of Texas, report says](#)

CNN (blog)

[Texas farmers using smartphones to manage drought](#)

CBSNews

Expert: East and Central producers with hay will likely hold onto it  
AgriLife Today  
Half of US counties now considered disaster areas  
Associated Press  
Texas agency warns it may curtail water rights  
CBS News  
TEXT-Fitch: small water utilities at risk if drought continues  
Reuters  
Texas part of growing drought in U.S. that rivals Dust Bowl years  
San Antonio Express  
What We Learned About Water in Texas at the 'Life By the Drop' Panel  
StateImpact Texas  
Stress on N. Texas groundwater eases, but elsewhere in state it's drier  
Fort Worth Star Telegram  
What We Learned About Water in Texas at the 'Life By the Drop' Panel  
StateImpact Texas  
That Sinking Feeling About Groundwater in Texas  
National Geographic

**Goal 7 – Addressing conservation, recharge enhancement, rainwater harvesting, precipitation enhancement, and brush control**

The District has reviewed this goal and determined that only conservation, rainwater harvesting and brush control are applicable to the District. The District has determined that a goal addressing recharge enhancement and precipitation enhancement would not be appropriate or cost effective, and therefore is not applicable to the District.

**Management Objective 7.1A – Provide for water conservation.**

**Performance Standard 7.1A – Link to electronic library of water conservation resources supported by the Water Conservation Advisory Council is available on the District website.**

The following is an excerpt of information available on the District website:

**Conservation**

How much water do you use at your home? Estimate your daily and annual water use and learn methods to conserve water at the Home Water Works site.

**Water Conservation Information Websites:**

Texas Water Conservation Association  
Texas Water Development Board  
Water Conservation Advisory Council  
Texas Water Foundation  
Texas Water Conservation Association  
Water IQ  
Save Texas Water  
Region C Water Conservation Tips  
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**Best Management Practices**

TWDB Best Management Practices for Conservation  
Agricultural Best Management Practices

Municipal Best Management Practices

Wholesale Supplier Best Management Practices

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San Antonio Express

Taking the Ick Factor Out of Recycled Water

New York Times

Agriculture commissioner urges water conservation

Times Record News

In wake of Texas drought, water and politics mix

Austin American-Statesman

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Xeriscape (Xeriscape - Principles and Benefits)

The Dillos Demonstrate Wordless Water Conservation

**Management Objective 7.2A** – Addressing rainwater harvesting.

**Performance Standard 7.2A** – Link to rainwater harvesting resources at the TWDB is available on the District website.

The following is an excerpt of information available on the District website.

#### **Rainwater Harvesting**

TWDB Rainwater Harvesting Information

Texas Water by Texas A&M

TWDB Manual on Rainwater Harvesting

#### **Articles**

Save It for a Sunny Day

Texas Coop Power

**Management Objective 7.3A** – Educate public on importance of brush control as it related to water table consumption.

**Performance Standard 7.3A** – Link has been provided to information concerning brush control on the District website.

The following is an excerpt of information available on the District website.

**Brush Control**

State Water Supply Enhancement Plan (July 2014)

Texas State Soil and Water Conservation Board

AgriLife Extension Texas A&M System Brush Control Program

**Goal 8 – Achieving Desired Future Conditions of groundwater resources**

**Management Objective 8.1A** – Continuous review to work towards achieving Desired Future Conditions. Statute requires groundwater conservation districts to review, amend as necessary, and re-adopt Management Plans at least every five years. Beginning with the Annual Report presented by the General Manager at the first regularly scheduled meeting in 2013 and every year thereafter, the General Manager will present a summary report on the status of achieving the adopted Desired Future Conditions (“DFC”). Four years after the adoption of the Plan the General Manager will work with the Board to conduct a focused review to determine if any elements of the Plan or Rules need to be amended in order to achieve the adopted DFC, or if the adopted DFC need to be revised to better reflect the needs of the District.

**Performance Standard 8.1A** – Beginning with Annual Report presented by General Manager at January 2013 meeting (or first meeting in 2013) and every year thereafter, General Manager shall present a summary report on the status of achieving the adopted Desired Future Conditions.

Until completion of the updated information on the Northern Trinity/Woodbine GAM Overhaul Project, the information necessary to determine the status of achieving the adopted Desired Future Conditions will not be available.

**Performance Standard 8.1B** – Beginning four years after adoption of the Plan, General Manager will work with Board of Directors to conduct a focused review to determine if any elements of this Plan or the District Rules need to be amended to achieve the adopted Desired Future Conditions, or if the Desired Future Conditions need to be reviewed/revised to better reflect the needs of the District. Possible results of the five-year review: (1) determination that current Plan and Rules are working effectively to achieve Desired Future Conditions, (2) specific amendments need to be made to the Plan and/or Rules to achieve the adopted Desired Future Conditions, (3) amendments are needed to the adopted Desired Future Conditions to better meet the needs of the District, or (4) a combination of (2) and (3). This determination to be made at a regularly scheduled meeting of the Board of Directors no later than five years after adoption of the Plan.

The North Texas Groundwater Conservation District has participated with Upper Trinity Groundwater Conservation District, Northern Trinity Groundwater Conservation District and Prairielands Groundwater Conservation District in updating the Groundwater Availability Model of the Northern Trinity/Woodbine Aquifers. Board Member Eddy Daniel is Chairman of the GMA8 Group, which will be responsible for establishing the Defined Future Condition levels by May 2016.

**Attachment A - Financial Information**



**NORTH TEXAS GROUNDWATER  
CONSERVATION DISTRICT**

**ANNUAL FINANCIAL REPORT**

**DECEMBER 31, 2013**

**NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT  
FOR THE YEAR ENDED DECEMBER 31, 2013  
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MEMBERS:  
AMERICAN INSTITUTE OF  
CERTIFIED PUBLIC  
ACCOUNTANTS  
TEXAS SOCIETY OF CERTIFIED  
PUBLIC ACCOUNTANTS

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**HANKINS, EASTUP, DEATON,  
TONN & SEAY**  
A PROFESSIONAL CORPORATION  
CERTIFIED PUBLIC ACCOUNTANTS

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902 NORTH LOCUST  
P.O. BOX 977  
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## **INDEPENDENT AUDITORS' REPORT**

Members of the Board of Directors  
North Texas Groundwater Conservation District  
5100 Airport Drive  
Denison, TX 75020

We have audited the accompanying financial statements of the governmental activities and each major fund of North Texas Groundwater Conservation District (the "District"), as of and for the year ended December 31, 2013, and the related notes to the financial statements, which collectively comprise the District'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 accounting principles generally accepted in the United States of America. This includes 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's 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 the standards applicable to financial audits contained in *Government Auditing Standard* issued by the Comptroller General of the United States. 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 Authority'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 and each major fund of North Texas Groundwater Conservation District as of December 31, 2013, and the respective changes in financial position and the respective budgetary comparison for the General Fund for the year then ended in accordance with accounting principles generally accepted in the United States of America.

## **Other Matters**

### *Required Supplementary Information*

Accounting principles generally accepted in the United States of America require that the *management's discussion and analysis* on pages 4 through 8 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 North Texas Groundwater Conservation District's basic financial statements. The other supplementary information listed in the table of contents is presented for purposes of additional analysis and is not a required part of the basic financial statements. The other supplementary information is the responsibility of management and was derived from and relate 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, the other supplementary information is fairly stated in all material respects in relation to the basic financial statements as a whole.

### **Other Reporting Required by Government Auditing Standards**

In accordance with *Government Auditing Standards*, we have also issued our report dated June 19, 2014 on our consideration of North Texas Groundwater Conservation District's internal control over financial reporting and on our test of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that 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 North Texas Groundwater Conservation District's internal control over financial reporting and compliance.

*Hankins, Eastup, Deaton, Tonn & Seay*

Hankins, Eastup, Deaton, Tonn & Seay, PC  
Denton, Texas

June 19, 2014

## **MANAGEMENT'S DISCUSSION & ANALYSIS**

# NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

## MANAGEMENT'S DISCUSSION AND ANALYSIS DECEMBER 31, 2013

---

As management of North Texas Groundwater Conservation District, we offer readers of the District's financial statement this narrative overview and analysis of the financial activities of the District for the year ended December 31, 2013. Please read this narrative in conjunction with the independent auditors' report on page 1, and the District's Basic Financial Statements that begin on page 10.

### FINANCIAL HIGHLIGHTS

- The assets of North Texas Groundwater Conservation District exceeded its liabilities at the close of the fiscal year by \$372,218 (Total Net Position). Of this amount, \$361,136 is unrestricted and may be used to meet the District's ongoing obligations and responsibilities to taxpayers and creditors.
- The District's net position increased by \$390,281, from \$(18,063) in the prior year to \$372,218 as of December 31, 2013. \$351,070 of the increase was from the result of current year operations, and \$39,211 of the increase was due to a prior period adjustment.
- At December 31, 2013, the District had a \$1,216,136 total fund balance in its General Fund, representing a \$333,341 or 37.7% increase over the \$882,795 fund balance in the previous year. \$1,212,562 of the fund balance is unassigned, constituting 244% of the \$496,309 in General Fund expenditures for the year.

### OVERVIEW OF THE FINANCIAL STATEMENTS

The management discussion and analysis is intended to serve as an introduction to North Texas Groundwater Conservation District's basic financial statements. The District's basic financial statements are comprised of three components: 1) government-wide financial statements, 2) fund financial statements, and 3) notes to the financial statements. This report also contains other supplementary information in addition to the basic financial statements themselves.

**Government-wide Financial Statements:** The government-wide financial statements are designed to provide readers with a broad overview of the District's finances, in a manner similar to a private-sector business.

The Statement of Net Position presents information on all of North Texas Groundwater Conservation District's assets and liabilities, with the difference between the two reported as net position. Over time, increases or decreases in net position may serve as a useful indicator of whether the financial position of the District is improving or deteriorating. Evaluation of the overall economic health of the District would extend to other nonfinancial factors such as diversification of the taxpayer base or the condition of District infrastructure in addition to the financial information provided in this report.

The Statement of Activities presents information showing how the District's net position changed during the fiscal year. All changes in net position are reported as soon as the underlying event giving rise to the change occurs, regardless of the timing of related cash flows. An important purpose of the design of the statement of activities is to show the financial reliance of the District's distinct activities or functions on revenues provided by the District's taxpayers.

# NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

## MANAGEMENT'S DISCUSSION AND ANALYSIS DECEMBER 31, 2013

---

The purpose of the District is to help accomplish the objectives set forth in Article XVI, Section 59 of the Texas Constitution related to the conservation and development of water resources of the State of Texas. With many other governmental entities, the aforementioned government-wide financial statements normally identify and distinguish between either governmental activities supported by general revenues and fees or business-type activities which are typically self-supported by user fees and charges. Both government-wide financial statements consist of one government fund principally supported by groundwater usage fees. The District has no business-type activities.

The governmental-wide financial statements can be found on pages 10 and 11 of this report.

**Fund Financial Statements:** A fund is a grouping of related accounts used to maintain control over resources that have been segregated for specific activities or objectives. Depending upon their reporting needs and requirements, governmental entities utilize three types of funds, including governmental funds, proprietary funds, and fiduciary funds. The North Texas Groundwater Conservation District uses fund accounting to ensure and demonstrate compliance with finance-related legal requirements. Since the District has no legitimate need or requirement to have either proprietary or fiduciary funds, all of its funds are maintained and reported as governmental funds.

Governmental funds are used to account for essentially the same functions reported as governmental activities in the government-wide financial statements. However, unlike the government-wide financial statements, governmental fund financial statements focus on near-term inflows and outflows of spendable resources, as well as on balances of spendable resources available at the end of the fiscal year. Such information may be useful in evaluating a government's near-term financing requirements.

Because the focus of governmental funds is narrower than that of the government-wide financial statements, it is useful to compare the information presented for governmental funds with similar information presented for governmental activities in the government-wide financial statements. By doing so, the reader may better understand the long-term impact of the government's near-term financing decisions. Both the governmental fund balance sheet and the governmental fund statement of revenues, expenditures, and changes in fund balances provide a reconciliation to facilitate this comparison between governmental funds and governmental activities.

The District maintains a single governmental fund, its General Fund. The General Fund is used to account for the acquisition and use of the District's spendable financial resources and the related liabilities.

The government fund financial statements can be found on pages 12 and 14 of this report.

The District adopts an annual appropriated budget for its General Fund. A budgetary comparison statement has been provided for the General Fund to demonstrate compliance with this budget. It can be found in the "Basic Financial Statements" section of this report.

# NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

## MANAGEMENT'S DISCUSSION AND ANALYSIS DECEMBER 31, 2013

**Notes to the Basic Financial Statements:** The notes provide additional information that is essential to a full understanding of the data provided in the government-wide and fund financial statements. The notes to the financial statements can be found on pages 17-24 of this report.

**Other Information:** In addition to the basic financial statements and accompanying notes, this report also presents certain other supplementary information. Supplementary information follows the notes to the financial statements.

### GOVERNMENT-WIDE FINANCIAL ANALYSIS

**Net Position:** As noted earlier, net position may serve over time as a useful indicator of a government's financial position. As of December 31, 2013, the North Texas Groundwater Conservation District's assets exceeded liabilities by \$372,218.

At December 31, 2013, \$1,267,930 in total assets were recorded. Of that amount, current and other assets (cash, receivables, and prepaid expenses) represented 99.1% and capital assets (vehicle) constituted .9%.

Total liabilities at year end equaled \$895,712, \$766,032 of which consisted of long-term debt.

Of the \$372,218 in total net position, 3% or \$11,082 is in capital assets. The District uses these capital assets to carry out its responsibilities and to provide information and services to citizens and the taxpayers which support the District. Capital assets are non-liquid and cannot be used to satisfy District obligations. The unrestricted net position total of \$361,136 may be used to meet the District's ongoing obligations and responsibilities.

#### Net Position

	<u>Governmental Activities</u>	
	<u>2013</u>	<u>2012</u>
<b>Assets:</b>		
Current assets	\$1,256,848	\$ 941,916
Capital assets (net of depreciation)	<u>11,082</u>	<u>13,457</u>
Total Assets	<u>1,267,930</u>	<u>955,373</u>
<b>Liabilities:</b>		
Current liabilities	393,182	309,081
Long-term liabilities	<u>502,530</u>	<u>664,355</u>
Total Liabilities	<u>895,712</u>	<u>973,436</u>
<b>Net Position:</b>		
Net investment in capital assets	11,082	13,457
Unrestricted (deficit)	<u>361,136</u>	<u>(31,520)</u>
Total Net Position (deficit)	<u>\$ 372,218</u>	<u>\$ (18,063)</u>



# NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

## MANAGEMENT'S DISCUSSION AND ANALYSIS DECEMBER 31, 2013

**Governmental Activities:** The following table provides a summary of the District's operations for the years ended December 31, 2013 and 2012.

	<u>2013</u>	<u>2012</u>
Changes in Net Position		
Program Revenues:		
Charges for Services	\$ 828,283	\$ 827,522
Operating Grants & Contributions	-	26,145
General Revenues:		
Interest Income	<u>1,367</u>	<u>1,669</u>
Total Revenues	<u>829,650</u>	<u>855,336</u>
Expenditures By Governmental Activity:		
Administration	453,684	408,193
Debt Service - interest	<u>24,896</u>	<u>26,145</u>
Total Expenditures	<u>478,580</u>	<u>434,338</u>
Change In Net Position	351,070	420,998
Net Position – Beginning	(18,063)	(439,061)
Prior Period Adjustment	<u>39,211</u>	<u>-</u>
Net Position – Ending	<u>\$ 372,218</u>	<u>\$ (18,063)</u>

### FINANCIAL ANALYSIS OF GOVERNMENTAL FUNDS

**Governmental Funds:** The focus of North Texas Groundwater Conservation District's governmental funds is to provide information on near-term inflows, outflows, and balances of spendable resources. Such information is useful in assessing the District's financing and budgeting requirements. In particular, the unassigned fund balance may serve as a useful measure of the District's net resources available for spending at the end of the fiscal year.

At December 31, 2013, the District has a \$1,216,136 total fund balance. This is 37% higher than the \$882,795 prior-year fund balance. \$1,212,562 of the fund balance is unassigned.

**General Fund Budgetary Highlights:** There was one amendment to the originally adopted budget. Actual expenditures for the year ended December 31, 2013 were \$496,309, that being \$17,817 or 3.4% less than the \$514,126 budgeted for the year.

Actual revenues for the year were 829,650 or 161.3% of the budgeted revenues for the year.

**NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT**

**MANAGEMENT'S DISCUSSION AND ANALYSIS  
DECEMBER 31, 2013**

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**CAPITAL ASSET AND DEBT ADMINISTRATION**

**Capital Assets:** The District's investment in capital assets for its governmental activities as of December 31, 2013 amounted to \$11,082 (net of accumulated depreciation). This represents a \$2,375 decrease below the previous fiscal year. The following table portrays the District's mix of capital assets at December 31, 2013:

Vehicles	\$11,082
Equipment	-
	<u>\$11,082</u>

There were no capital asset additions during the year.

**Debt Administration:** At the end of the year, the District had \$766,032 in long-term debt, consisting of loans payable to the three counties in which the District operates.

**ECONOMIC FACTORS AND NEXT YEAR'S BUDGET AND RATES**

For fiscal year 2014 the District's latest adopted budget shows total anticipated expenditures of \$640,436, a \$144,127 increase over total actual expenditures of \$496,309 in fiscal year 2013. The majority of the increase is attributable to an expected increase in debt service payments on the District's outstanding loans. Rates assessed groundwater users are not expected to increase for fiscal year 2014.

**REQUEST FOR INFORMATION**

This financial report is designed to provide a general overview of the District's finances, comply with finance-related laws and regulations, and demonstrate the District's commitment to public accountability. If you have any questions about this report or would like to request additional information, contact Drew Satterwhite, General Manager of the District, at 5100 Airport Drive, Denison, TX 75020, (855) 426-4433.

## **BASIC FINANCIAL STATEMENTS**

**NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT**

**STATEMENT OF NET POSITION  
DECEMBER 31, 2013**

	<b>Governmental Activities</b>
<b><u>Assets</u></b>	
<b>Current Assets:</b>	
Cash and Cash Equivalents	\$ 1,032,456
Accounts Receivable	220,818
Prepaid Expenses	3,574
<b>Total Current Assets</b>	<b><u>1,256,848</u></b>
<b>Capital Assets:</b>	
Vehicle, net	11,082
<b>Total Capital Assets</b>	<b><u>11,082</u></b>
<b>Total Assets</b>	<b><u>1,267,930</u></b>
<b><u>Liabilities</u></b>	
<b>Current Liabilities:</b>	
Accounts Payable	22,681
Well Driller Deposits	18,031
Interest Payable	41,602
Unearned Revenue	47,366
Current Portion of Long-Term Debt	263,502
<b>Total Current Liabilities</b>	<b><u>393,182</u></b>
<b>Non-Current Liabilities:</b>	
Long-term Debt, less current portion	502,530
<b>Total Non-Current Liabilities</b>	<b><u>502,530</u></b>
<b>Total Liabilities</b>	<b><u>895,712</u></b>
<b><u>Net Position</u></b>	
Net Investment in Capital Assets	11,082
Unrestricted	
Unreserved	361,136
<b>Total Net Position</b>	<b><u>\$ 372,218</u></b>

The accompanying notes are an integral part of this statement.

**NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT**

**STATEMENT OF ACTIVITIES  
FOR THE YEAR ENDED DECEMBER 31, 2013**

<u>Program Activities</u>	<u>Expenses</u>	<u>Program Revenues</u>		<u>Net (Expenses)</u>
		<u>Charges for Services</u>	<u>Operating Grants and Contributions</u>	<u>Revenue and Changes in Net Position</u>
				<u>Governmental Activities</u>
Governmental activities				
Administration	\$ 453,684	\$ 828,283	\$ -	\$ 374,599
Debt Service - interest	<u>24,896</u>	<u>-</u>	<u>-</u>	<u>(24,896)</u>
				-
Total Government Activities	<u>478,580</u>	<u>828,283</u>	<u>-</u>	<u>349,703</u>
Total Primary Government	<u>\$ 478,580</u>	<u>\$ 828,283</u>	<u>\$ -</u>	<u>349,703</u>
		<b>General Revenues:</b>		
		Interest income		<u>1,367</u>
		Total General Revenues		<u>1,367</u>
		Change in Net Position		351,070
		Net Position – beginning of year		(18,063)
		Prior Period Adjustment		<u>39,211</u>
		Net Position – end of year		<u>\$ 372,218</u>

The accompanying notes are an integral part of this statement.

**NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT**

**BALANCE SHEET  
DECEMBER 31, 2013**

	<u>General Fund</u>
<b><u>Assets</u></b>	
Current Assets:	
Cash and Cash Equivalents	\$ 1,032,456
Accounts Receivable	220,818
Prepaid Costs	<u>3,574</u>
Total Current Assets	<u>1,256,848</u>
 Total Assets	 <u>\$ 1,256,848</u>
 <b><u>Liabilities</u></b>	
Current Liabilities:	
Accounts Payable	\$ 22,681
Well Driller Deposits	<u>18,031</u>
Total Current Liabilities	<u>40,712</u>
 Total Liabilities	 <u>40,712</u>
 <b>Fund Balance:</b>	
Nonspendable Fund Balance:	
Prepaid Costs	3,574
Unassigned Fund Balance	<u>1,212,562</u>
Total Fund Balances	<u>1,216,136</u>
 Total Liabilities and Fund Balance	 <u>\$ 1,256,848</u>

The accompanying notes are an integral part of this statement.

**NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT**

**RECONCILIATION OF THE GOVERNMENTAL FUND  
BALANCE SHEET TO STATEMENT OF NET POSITION  
DECEMBER 31, 2013**

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Total fund balance – governmental fund	\$ 1,216,136
Amounts reported for governmental activities in the statement of net position are different because:	
Capital assets (net of accumulated depreciation) used in governmental activities are not current financial resources and therefore are not reported in the governmental fund balance sheet.	11,082
Long-term debt, including loans payable, are not due and payable in the current period and therefore are not reported in the fund financial statements.	(766,032)
Interest payable on long-term debt is not reported in the fund financial statements	<u>(88,968)</u>
Total net position - governmental activities	<u>\$ 372,218</u>

The accompanying notes are an integral part of this statement.

**NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT**

**STATEMENT OF REVENUES, EXPENDITURES, AND CHANGES IN FUND BALANCE  
FOR THE YEAR ENDED DECEMBER 31, 2013**

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	<b>General Fund</b>
<b>Revenues:</b>	
Groundwater Usage Fees	\$ 809,718
Well Registration Fees	17,400
Interest Earned	1,367
Other Revenue	1,165
<b>Total Revenues</b>	<u>829,650</u>
<b>Expenditures:</b>	
Administrative - General Manager	36,560
Administrative - Secretarial & Clerical	52,036
Administrative - Project Coordinator	19,924
Administrative - Operations	2,756
Field Technician	43,262
Consultants	214,085
Accounting and Auditing	21,720
Legal	30,555
Software Maintenance	9,373
Direct Costs Reimbursed	3,910
Insurance	3,582
Vehicle Costs	4,058
Office Rent	2,400
Telephone	2,172
GMA8 Costs	2,429
Other	2,487
Debt Service	45,000
<b>Total Expenditures</b>	<u>496,309</u>
<b>Excess of revenues over expenditures and net change in fund balance</b>	<b>333,341</b>
<b>Fund balance at beginning of year</b>	<u>882,795</u>
<b>Fund balance at end of year</b>	<u>\$ 1,216,136</u>

The accompanying notes are an integral part of this statement.



**NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT**

**RECONCILIATION OF THE STATEMENT OF REVENUES,  
EXPENDITURES AND CHANGES IN FUND BALANCE OF THE  
GOVERNMENTAL FUND TO THE STATEMENT OF ACTIVITIES  
YEAR ENDED DECEMBER 31, 2013**

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Net change in fund balance – total governmental fund	\$ 333,341
Amounts reported for governmental activities in the statement of activities are different because:	
Depreciation expense on capital assets is reported in the statement of activities, but does not require the use of current financial resources. Therefore, depreciation expense is not reported as expenditures in the governmental funds.	(2,375)
Current year change in interest payable does not require the use of current financial resources; therefore, is not reported as an expenditure in governmental funds.	<u>20,104</u>
Change in net position of governmental activities	<u>\$ 351,070</u>

The accompanying notes are an integral part of this statement.

**NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT**

**BUDGETARY COMPAISON SCHEDULE - GENERAL FUND  
FOR THE YEAR ENDED DECEMBER 31, 2013**

	Budget		Actual	Variance Positive/ (Negative)
	Original	Final		
<b>Revenues:</b>				
Groundwater Usage Fees	\$ 480,507	\$ 480,507	\$ 809,718	\$ 329,211
Well Registration Fees	-	-	17,400	17,400
Interest Earned	-	-	1,367	1,367
Other Revenue	29,619	33,619	1,165	(32,454)
<b>Total Revenues</b>	<b>510,126</b>	<b>514,126</b>	<b>829,650</b>	<b>315,524</b>
<b>Expenditures:</b>				
Administrative - General Manager	33,000	36,000	36,560	(560)
Administrative - Secretarial & Clerical	47,000	52,000	52,036	(36)
Administrative - Project Coordinator	18,000	20,000	19,924	76
Administrative - Operations	2,000	2,000	2,756	(756)
Field Technician	51,488	51,488	43,262	8,226
Consultants	200,000	200,000	214,085	(14,085)
Accounting and Auditing	15,000	15,000	21,720	(6,720)
Legal	25,000	25,000	30,555	(5,555)
Software Maintenance	7,228	7,228	9,373	(2,145)
Direct Costs Reimbursed	6,000	6,000	3,910	2,090
Insurance	5,000	5,000	3,582	1,418
Vehicle Costs	6,000	6,000	4,058	1,942
Office Rent	2,400	2,400	2,400	-
Telephone	1,660	1,660	2,172	(512)
GMA8 Costs	33,850	33,850	2,429	31,421
Other	5,500	5,500	2,487	3,013
Debt Service	51,000	45,000	45,000	-
<b>Total Expenditures</b>	<b>510,126</b>	<b>514,126</b>	<b>496,309</b>	<b>17,817</b>
<b>Excess of revenues over expenditures and net change in fund balance</b>	<b>-</b>	<b>-</b>	<b>333,341</b>	<b>333,341</b>
<b>Fund balance at beginning of year</b>	<b>882,795</b>	<b>882,795</b>	<b>882,795</b>	<b>-</b>
<b>Fund balance at end of year</b>	<b>\$ 882,795</b>	<b>\$ 882,795</b>	<b>\$ 1,216,136</b>	<b>\$ 333,341</b>

The accompanying notes are an integral part of this statement.

# NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

## NOTES TO BASIC FINANCIAL STATEMENTS DECEMBER 31, 2013

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### NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

#### General

The basic financial statements of the North Texas Groundwater Conservation District (District) have been prepared in conformity with accounting principles generally accepted in the United States of America (GAAP) applicable to government units. The Governmental Accounting Standards Board (GASB) is the accepted standard setting body for establishing governmental accounting and financial reporting principles.

The North Texas Groundwater Conservation District (District), is a political subdivision of the State of Texas, created under the authority of Article XVI, Section 59, Texas Constitution, and operating pursuant to the provisions of the Texas Water Code, Chapter 36, and Senate Bill 2497, Acts of the 81<sup>st</sup> Texas Legislature, Regular Session, 2010. The District encompasses the North Texas counties of Collin, Cooke, and Denton. The Board of Directors (Board), a nine member group constituting an on-going entity, is the level of government which has governance responsibilities over all activities within the jurisdiction of the District. The Board is not included in any other governmental "reporting entity" as defined in Section 2100, Codification of Governmental Accounting and Reporting Standards, since Board members are appointed, have decision making authority, the power to designate management, the responsibility to significantly influence operations and primary accountability for fiscal matters. The purpose of the District is to help accomplish the objectives set for in Article XVI, Section 59 of the Texas Constitution related to the conservation and development of water resources of the State of Texas.

#### Reporting Entity

In evaluating how to define the District, for financial reporting purposes, management has considered all potential component units. The decision not to include a potential component unit in the reporting entity was made by applying the criterion set forth in GAAP. The basic but not the only criterion for including a potential component unit within the reporting entity is the governing body's ability to exercise oversight responsibility. The most significant manifestation of this ability is financial interdependency. Other manifestations of the ability to exercise oversight responsibility include, but are not limited to, the selection of governing authority, the designation of management, the ability to influence operations and accountability for fiscal matters. The other criterion used to evaluate potential component units for inclusion or exclusion from the reporting entity is the existence of special financing relationships, regardless of whether the District is able to exercise oversight responsibilities. Based upon the application of these criteria, no potential component units have been included in this report. The District has no ability to exercise influence or control any other government unit's operations, budgets, or funding.

#### Basis of Presentation

The government-wide financial statements (the statement of net position and the statement of activities) report information on all of the activities of the District. Governmental activities, which normally are supported by taxes, intergovernmental revenues, and other non-exchange transactions are reported separately from business-type activities, which rely to a significant extent on fees and charges for support.

# NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

NOTES TO FINANCIAL STATEMENTS (continued)  
DECEMBER 31, 2013

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## **NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)**

### **Basis of Presentation – continued**

The statement of activities demonstrates the degree to which the direct expenses of a given program are offset by program revenues. Direct expenses are those that are clearly identifiable with a specific program. Program revenues include 1) charges to customers or applicants who purchase, use, or directly benefit from goods, services, or privileges provided by a given program and 2) operating or capital grants and contributions that are restricted to meeting the operational or capital requirements of a particular program. Other items not properly included among program revenues are reported instead as general revenues.

### **Fund Financial Statements:**

The District segregates transactions related to certain functions or activities in separate funds in order to aid financial management and to demonstrate legal compliance. Separate statements are presented for governmental and proprietary activities. These statements present each major fund as a separate column on the fund financial statements; all non-major funds are aggregated and presented in a single column. The District has no proprietary activities, or non-major funds.

Governmental funds are those funds through which most governmental functions typically are financed. The measurement focus of governmental funds is on the sources, uses and balance of current financial resources. The District has presented the following major governmental fund:

### **General Fund**

The General Fund is the main operating fund of the District. This is a budgeted fund and is used to account for the acquisition and use of the District's expendable financial resources and the related liabilities. The measurement focus is based upon determination of changes in financial position rather than upon net income determination.

### **Measurement Focus/Basis of Accounting**

Measurement focus refers to what is being measured; basis of accounting refers to when revenues and expenditures are recognized in the accounts and reported in the financial statements. Basis of accounting relates to the timing of the measurement made, regardless of the measurement focus applied.

The government-wide statements are reported using the economic resources measurement focus and the accrual basis of accounting. The economic resources measurement focus means all assets and liabilities (whether current or non-current) are included on the statement of net position and the operating statements present increases (revenues) and decreases (expenses) in net total position. Under the accrual basis of accounting, revenues are recognized when earned. Expenses are recognized at the time the liability is incurred.

# NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

NOTES TO FINANCIAL STATEMENTS (continued)  
DECEMBER 31, 2013

---

## **NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)**

### **Measurement Focus/Basis of Accounting – continued**

Governmental fund financial statements are reported using the current financial resources measurement focus and are accounted for using the modified accrual basis of accounting. Under the modified accrual basis of accounting, revenues are recognized when susceptible to accrual; i.e., when they become both measurable and available. "Measurable" means the amount of the transaction can be determined and "available" means collectible within the current period or soon enough thereafter to be used to pay liabilities of the current period. For this purpose, the District considers revenues to be available if they are collected within 90 days of the end of the current fiscal year. Expenditures are recorded when the related fund liability is incurred. However, debt service expenditures, as well as expenditures related to compensated absences are recorded only when payment is due.

Assessments are recognized under the susceptible to accrual concept. Interest income is recorded as earned, since it is measurable and available.

### **Budgetary Data**

The District uses the following procedures in establishing the budget reflected in the general purpose financial statements:

1. Prior to the beginning of each fiscal year, the Board of Directors is presented with a proposed budget for the year beginning on the following January 1. The budget includes proposed expenditures and the means of financing them. The budget is legally enacted through passage of a resolution.
2. Public hearings are conducted to obtain citizen's comments.
3. An annual budget is legally adopted for the General Fund. The budget is adopted on a basis consistent with accounting principles generally accepted in the United States of America.
4. Revisions to the budget that alter General Fund expenditures must be approved by the Board of Directors. The fund level is the legal level of budgetary control. Appropriations lapse at year-end.
5. Original budgeted amounts presented in the budgetary comparison schedule are as originally adopted by the Board of Directors. The final amended budget is as amended by the Board during the year.

# NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

## NOTES TO FINANCIAL STATEMENTS (continued) DECEMBER 31, 2013

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### NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

#### Capital Assets

Capital assets, which can include land, buildings, vehicles, furniture and equipment, are reported in government-wide financial statements. All capital assets are valued at historical cost or estimated historical cost if actual historical cost is not available. Donated assets are valued at their fair market value on the date donated. Repairs and maintenance are recorded as expenses. Renewals and betterments are capitalized.

Assets capitalized have an original cost of \$500 or more and over one year of useful life. Depreciation has been calculated on each class of depreciable property using the straight-line method. The District's capital assets at December 31, 2013 consists solely of one vehicle that is being depreciated over a 7 year estimated useful life.

#### Cash and Cash Equivalents

The District's cash and cash equivalents are considered to be cash on hand, demand deposits, and short-term investments with original maturities of three months or less from the date of acquisition. Investments are carried at fair value or cost, if maturities are one year or less. Fair value is determined as the price at which two willing parties would complete an exchange.

#### Fund Balance

The District has implemented GASB Statement No. 54, "Fund Balance Reporting and Governmental Fund Type Definitions." This Statement provides more clearly defined fund balance categories to make the nature and extent of the constraints placed on a government's fund balances more transparent.

Fund Balance Classification: The governmental fund financial statements present fund balances based on classifications that comprise a hierarchy that is based primarily on the extent to which the District is bound to honor constraints on the specific purposes for which amounts in the respective governmental funds can be spent. The classifications used in the governmental fund financial statements are as follows:

- Nonspendable: This classification includes amounts that cannot be spent because they are either (a) not in spendable form or (b) are legally or contractually required to be maintained intact. The District has classified prepaid items as being nonspendable as these items are not expected to be converted to cash.
- Restricted: This classification includes amounts for which constraints have been placed on the use of the resources either (a) externally imposed by creditors, grantors, contributors, or laws or regulations of other governments, or (b) imposed by law through constitutional provisions or enabling legislation. The District had no restricted fund balances at December 31, 2013.

# NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

## NOTES TO FINANCIAL STATEMENTS (continued) DECEMBER 31, 2013

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### **NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)**

- **Committed:** This classification includes amounts that can be used only for specific purposes pursuant to constraints imposed by formal action of the District's Board of Directors. The Board of Directors establishes (and modifies or rescinds) fund balance commitments by passage of a resolution. This can also be done through adoption and amendment of the budget. These amounts cannot be used for any other purpose unless the Board removes or changes the specified use by taking the same type of action that was employed when the funds were initially committed. This classification also includes contractual obligations to the extent that existing resources have been specifically committed for use in satisfying those contractual requirements. The District had no committed fund balances at December 31, 2013.
- **Assigned:** This classification includes amounts that are constrained by the District's intent to be used for a specific purpose but are neither restricted nor committed. This intent can be expressed by the Board of Directors or through the Board delegating this responsibility to other individuals in the District. The District had no assigned fund balances at December 31, 2013.
- **Unassigned:** This classification includes all amounts not included in other spendable classifications, including the residual fund balance for the General Fund.

#### **Net Position**

Net position represents the difference between assets and liabilities. Net position invested in capital assets consists of capital assets, net of accumulated depreciation, reduced by the outstanding balances of any borrowing used for the acquisition, construction or improvements of those assets, and adding back unspent proceeds. Net position is reported as restricted when there are limitations imposed on their use either through the enabling legislations adopted by the District or through external restrictions imposed by creditors, grantors or laws or regulations of other governments.

### **NOTE 2 – DEPOSITS AND INVESTMENTS WITH FINANCIAL INSTITUTIONS**

The District's funds are deposited and invested in Independent Bank, McKinney, TX. The bank deposits for safekeeping and trust with the District's agent bank approved pledged securities in an amount sufficient to protect District funds on a day-to-day basis. The pledge of approved securities is waived only to the extent of the bank's dollar amount of Federal Deposit Insurance Corporation ("FDIC") insurance.

#### **1. Cash Deposits:**

At December 31, 2013, the carrying amount of the District's deposits in checking accounts and interest-bearing accounts was \$1,032,456 and the bank balance was \$1,045,661. The District's cash deposits at December 31, 2013 were entirely covered by FDIC insurance or pledged collateral.

# NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

## NOTES TO FINANCIAL STATEMENTS (continued) DECEMBER 31, 2013

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### **2. Investments:**

The Public Funds Investment Act (Government Code Chapter 2256) contains specific provisions in the areas of investment practices, management reports and establishment of appropriate policies. Among other things, it requires the District 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, (9) and bid solicitation preferences for certificates of deposit. Statutes authorize the District to invest in (1) obligations of the U.S. Treasury, certain U.S. agencies, and the State of Texas, (2) certificates of deposit, (3) certain municipal securities, (4) money market savings accounts, (5) repurchase agreements, (6) bankers acceptance, (7) mutual funds, (8) investment pools, (9) guaranteed investment contracts, (10) and common trust funds.

The Act also requires the District to have independent auditors perform test procedures related to investment practices as provided by the Act. The District is in substantial compliance with the requirements of the Act and with local policies.

In compliance with the Public Funds Investment Act, the District has adopted a deposit and investment policy. That policy addresses the following risks:

- a. **Custodial Credit Risk – Deposits:** In the case of deposits, this is the risk that, in the event of a bank failure, the District's deposits may not be returned to it. As of December 31, 2013, the District's cash balances totaled \$1,045,661. The District's deposits were not exposed to custodial credit risk at December 31, 2013.
- b. **Custodial Credit Risk – Investments:** For an investment, this is the risk that, in the event of the failure of the counterparty, the District will not be able to recover the value of its investments or collateral securities that are in the possession of an outside party. At December 31, 2013, the District was not exposed to custodial credit risk.
- c. **Credit Risk:** This is the risk that an issuer or other counterparty to an investment will be unable to fulfill its obligations. The rating of securities by nationally recognized rating agencies is designed to give an indication of credit risk. The District was not exposed to credit risk at December 31, 2013.
- d. **Interest Rate Risk:** This is the risk that changes in interest rates will adversely affect the fair value of an investment. The District was not exposed to interest rate risk at December 31, 2013.
- e. **Foreign Currency Risk:** This is the risk that exchange rates will adversely affect the fair value of an investment. At December 31, 2013, the District was not exposed to foreign currency risk.



**NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT**

NOTES TO FINANCIAL STATEMENTS (continued)  
DECEMBER 31, 2013

**NOTE 2 – DEPOSITS AND INVESTMENTS WITH FINANCIAL INSTITUTIONS  
(continued)**

Concentration of Credit Risk: This is the risk of loss attributed to the magnitude of the District's investment in a single issuer (i.e., lack of diversification). Concentration risk is defined as positions of 5 percent or more in the securities of a single issuer. At December 31, 2013, the District was not exposed to concentration of credit risk.

**NOTE 3 – CAPITAL ASSETS**

Capital asset activity for the year ended December 31, 2013, was as follows:

	<u>Balance January 1, 2013</u>	<u>Additions</u>	<u>Retirements</u>	<u>Balance December 31, 2013</u>
Governmental activities:				
Vehicle	\$ 16,624	\$ -	\$ -	\$ 16,624
Totals at Historical Cost	<u>16,624</u>	<u>-</u>	<u>-</u>	<u>16,624</u>
Less accumulated depreciation:				
Vehicle	<u>(3,167)</u>	<u>(2,375)</u>	<u>-</u>	<u>(5,542)</u>
Total accumulated depreciation	<u>(3,167)</u>	<u>(2,375)</u>	<u>-</u>	<u>(5,542)</u>
Governmental activities capital assets, net	<u>\$ 13,457</u>	<u>\$ (2,375)</u>	<u>\$ -</u>	<u>\$ 11,082</u>

**NOTE 4 – RISK MANAGEMENT**

The District is exposed to various risks of loss related to torts theft of, damage to and destruction of assets; errors and omissions; injuries to employees; and natural disasters. During fiscal year 2013, the District purchased commercial insurance to cover general liabilities. There were no significant reductions in coverage in the past fiscal year, and there were no settlements exceeding insurance coverage for each of the past three years.

**NOTE 5 – ESTIMATES**

The preparation of financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect certain reported amounts and disclosures. Accordingly, actual results could differ from those estimates.

**NOTE 6 – SUBSEQUENT EVENTS**

Management has reviewed events subsequent to December 31, 2013 through June 19, 2014, which is the date the financial statements were available to be issued. No subsequent events were identified that were required to be recorded or disclosed in the financial statements.

**NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT**

NOTES TO FINANCIAL STATEMENTS (continued)  
DECEMBER 31, 2013

**NOTE 7 – LONG-TERM DEBT**

The following is a summary of long-term activity of the District for the year ended December 31, 2013:

	Beginning Balance <u>1/01/13</u>	<u>Additions</u>	<u>Deletions</u>	Ending Balance <u>12/31/13</u>	Current Portion of Debt
Loans Payable	\$ 766,032	\$ -	\$ -	\$ 766,032	\$ 263,502
Total	<u>\$ 766,032</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 766,032</u>	<u>\$ 263,502</u>

**Loans**

The District is obligated under a contract executed by the Board for the organizational and operational costs of the District prior to the receipt of revenues necessary for operations. This contract is with the participating counties of Collin, Cooke, and Denton. This loan, in the contract-stated amount of \$900,000, incurs no interest and has a payback schedule that calls for repayment of the loan, in equal payments to each county, beginning in 2013 and maturing fully in 2017. Though the contract terms of the agreement state that the loan carries no interest, GAAP requires that interest be imputed on long-term loans, thus converting \$133,968 of the loan repayment to interest, and causing the remaining \$766,032 to be reflected as principal payable on the Statement of Net Position. Interest expense, as imputed, accrues each year and is reflected as interest expense. Amounts representing the accrued but unpaid portion of interest expense, calculated at 3.25% based on market rates for loans of similar amounts and terms, appear on the Statement of Net position as "Interest Payable". Amounts representing subsequent years' portions of interest expense, having been received but not recognized, appear on the Statement of Net Position as "Unearned Revenue".

The loan contract does not specify the amount required to be paid each year on the loan. The following schedule of debt service requirements to maturity is based on the District's estimate of expected future payments on the loan:

<u>Year Ending December 31</u>	<u>Principal</u>	<u>Interest</u>	<u>Total Requirements</u>
2014	\$ 263,502	\$ 66,498	\$ 330,000
2015	313,668	16,332	330,000
2016	<u>188,862</u>	<u>6,138</u>	<u>195,000</u>
Total	<u>\$ 766,032</u>	<u>\$ 88,968</u>	<u>\$ 855,000</u>

## **OTHER SUPPLEMENTARY INFORMATION**

**NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT**

**COMPARATIVE BALANCE SHEET  
GENERAL FUND  
DECEMBER 31, 2013 AND 2012**

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	<u>2013</u>	<u>2012</u>
<b>Assets:</b>		
Cash and Cash Equivalents	\$ 1,032,456	\$ 474,202
Accounts Receivable	220,818	465,940
Prepaid Costs	3,574	1,774
<b>Total Assets</b>	<u>\$ 1,256,848</u>	<u>\$ 941,916</u>
<b>Liabilities and Fund Balance:</b>		
<b>Liabilities:</b>		
Accounts Payable	\$ 22,681	\$ 55,990
Well Driller Deposits	18,031	3,131
<b>Total Liabilities</b>	<u>40,712</u>	<u>59,121</u>
<b>Fund Balance:</b>		
Nonspendable Fund Balance:		
Prepaid Costs	3,574	1,774
Unassigned Fund Balance	1,212,562	881,021
<b>Total Fund Balance</b>	<u>1,216,136</u>	<u>882,795</u>
<b>Total Liabilities and Fund Balance</b>	<u>\$ 1,256,848</u>	<u>\$ 941,916</u>

See accompanying auditors' report.

**NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT**

**COMPARATIVE SCHEDULE OF REVENUES, EXPENDITURES AND CHANGES  
IN FUND BALANCE - GENERAL FUND  
FOR THE YEARS ENDED DECEMBER 31, 2013 AND 2012**

	<u>2013</u>	<u>2012</u>
<b>Revenues:</b>		
Groundwater Usage Fees	\$ 809,718	\$ 818,455
Well Registration Fees	17,400	1,570
Interest Earned	1,367	1,669
Other Revenue	1,165	7,497
<b>Total Revenues</b>	<u>829,650</u>	<u>829,191</u>
<b>Expenditures:</b>		
Administrative - General Manager	36,560	33,840
Administrative - Secretarial & Clerical	52,036	37,502
Administrative - Project Coordinator	19,924	16,861
Administrative - Operations	2,756	8,426
Field Technician	43,262	72,487
Consultants	214,085	134,298
Accounting and Auditing	21,720	15,599
Legal	30,555	46,406
Software Maintenance	9,373	2,769
Direct Costs Reimbursed	3,910	3,322
Insurance	3,582	4,587
Vehicle Costs	4,058	4,125
Office Rent	2,400	-
Telephone	2,172	1,905
GMA8 Costs	2,429	3,615
Other	2,487	5,761
Debt Service	45,000	-
<b>Total Expenditures</b>	<u>496,309</u>	<u>391,503</u>
<b>Excess of revenues over expenditures and net change in fund balance</b>	<b>333,341</b>	<b>437,688</b>
<b>Fund balance at beginning of year</b>	<u>882,795</u>	<u>445,107</u>
<b>Fund balance at end of year</b>	<u>\$ 1,216,136</u>	<u>\$ 882,795</u>

See accompanying auditors' report.

MEMBERS:  
AMERICAN INSTITUTE OF  
CERTIFIED PUBLIC  
ACCOUNTANTS  
TEXAS SOCIETY OF CERTIFIED  
PUBLIC ACCOUNTANTS

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**HANKINS, EASTUP, DEATON,  
TONN & SEAY**  
A PROFESSIONAL CORPORATION  
CERTIFIED PUBLIC ACCOUNTANTS

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FAX (940) 383-4746

**INDEPENDENT AUDITORS' 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**

Board of Directors  
North Texas Groundwater Conservation District  
Denison, Texas

We have audited, in accordance with the 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 and each major fund of North Texas Groundwater Conservation District, as of and for the year ended December 31, 2013, and the related notes to the financial statements, which collectively comprise North Texas Groundwater Conservation District's basic financial statements, and have issued our report dated June 19, 2014.

**Internal Control Over Financial Reporting**

In planning and performing our audit of the financial statements, we considered the District'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 District's internal control. Accordingly, we do not express an opinion on the effectiveness of the District's internal control.

*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 and correct 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 District's financial statements will not be prevented, or detected and corrected on a timely basis. *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.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or, significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

### **Compliance and Other Matters**

As part of obtaining reasonable assurance about whether the District's financial statements are free from 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 District's internal control or on compliance. This report is an integral part of the audit performed in accordance with *Government Auditing Standards* in considering the District's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.



Hankins, Eastup, Deaton, Tonn & Seay, PC  
Denton, Texas

June 19, 2014

**Attachment B – Excerpts from TCEQ Groundwater Contamination  
Case Descriptions by County for North Texas GCD**



# ACRONYMS

## Agencies, Divisions, and Programs

BEG	University of Texas at Austin Bureau of Economic Geology
BRC	Bureau of Radiation Control (DSHS)
BS/EACD	Barton Springs/Edwards Aquifer Conservation District
CSD	Compliance Support Division (TCEQ)
DCRP	Dry cleaners remediation program
DOE	United States Department of Energy
DSHS	Department of State Health Services
ENF	Enforcement Division (TCEQ)
EPA	United States Environmental Protection Agency
EUWCD	Evergreen Underground Water Conservation District
GSA	General Services Administration
MSD	Municipal Setting Designation
NRC	Nuclear Regulatory Commission
O&G	Oil and Gas Division (RRC)
OCE	Office of Compliance and Enforcement
OCW	Radioactive Material Division
OW	Office of Water
PCLE	Protective concentration level exceedance
PRSD	Permitting and Registration Support Division
RAD/RML	Radioactive Materials Division/ Radioactive Materials Licensing (TCEQ)
RAD/UTA	Radioactive Materials Division/ Uranium and Technical Assessments (TCEQ)
RRC	Railroad Commission of Texas
REM/CA	Remediation Division/Corrective Action Program (TCEQ)
REM/DCRP	Remediation Division/Dry Cleaners Remediation Program (TCEQ)
REM/PST	Remediation Division/Petroleum Storage Tank Reimbursement Program (TCEQ)
REM/SF	Remediation Division/Superfund Cleanup Program (TCEQ)
REM/SSDAP	Remediation Division/Superfund Site Discovery and Assessment Program (TCEQ)
REM/VC	Remediation Division/Voluntary Cleanup (TCEQ)
REM/VCBSA	Remediation Division/Voluntary Cleanup, Brownfields Site Assessment (TCEQ)
REM/VCIO	Remediation Division/Voluntary Cleanup/Innocent Owner (TCEQ)
RO	Regional Areas (TCEQ)
RRC	Railroad Commission of Texas
SM&R	Surface Mining and Reclamation Division (RRC)
TAMAR	Texas A&M AgriLife Research
TAGD	Texas Alliance of Groundwater Districts
TDA	Texas Department of Agriculture
TRRP	Texas Risk Reduction Program
TGPC	Texas Groundwater Protection Committee
TNRIS	Texas Natural Resources Information System

TNRCC	Texas Natural Resource Conservation Commission (see TCEQ)
TPWD	Texas Parks and Wildlife Department
TCEQ	Texas Commission on Environmental Quality
TSSWCB	Texas State Soil and Water Conservation Board
USGS	United States Geological Survey
TWDB	Texas Water Development Board
UIC	Underground Injection Control Program (TCEQ)
WQD/WQAS	Water Quality Division/Water Quality Assessment Section (TCEQ)
WPD/IHW	Waste Permits Division/Industrial and Hazardous Waste (TCEQ)
WPD/MSW	Waste Permits Division/Municipal Solid Waste (TCEQ)
WSD/PDW	Water Supply Division/Public Drinking Water (TCEQ)
WAD	Water Availability Division

### State Legislation

CMRA	Texas Coal Mining And Reclamation Act
SMRA	Texas Surface Mining and Reclamation Act
SWDA	Solid Waste Disposal Act
TAC	Texas Administrative Code
THSC	Texas Health and Safety Code
TNRC	Texas Natural Resources Code
TRCA	Texas Radiation Control Act
TWC	Texas Water Code
WWDA	Texas Water Well Drillers Act

### Federal Legislation

AEA	Atomic Energy Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CWA	Clean Water Act (Amended as Water Quality Act 1988)
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
HSWA	Hazardous and Solid Waste Amendments to RCRA (1984)
RCRA	Resource Conservation and Recovery Act
SARA	Superfund Amendments and Reauthorization Act
SDWA	Safe Drinking Water Act
SMCRA	Surface Mining Control and Reclamation Act
TSCA	Toxic Substances Control Act
UMTRCA	Uranium Mill Tailings Radiation Control Act

### Abbreviations

BMP	best management practice
CAFO	concentrated animal feeding operation
CFR	Code of Federal Regulations
COC	chemicals of concern
CSGWPP	comprehensive state groundwater protection program

## ACRONYMS (cont.)

GCD	groundwater conservation district
GIS	geographic information system
GPS	global positioning system
GWSAP	groundwater sampling and analysis plan
IPD	Interagency Pesticide Database
LDR	land disposal restriction
LOA	letter of authorization
LPST	leaking petroleum storage tanks
MCL	maximum contaminant level
MSWLF	municipal solid waste landfill facility
NPL	national priorities list
NPS	Non-Point Source
NORM	naturally occurring radioactive material
OSSF	on-site sewage treatment facility
PMP	pesticide management plan
PMZ	plume management zone
PRP	potentially responsible party
RQ	reportable quantity
SWCD	soil and Water Conservation District
UMTRCA	uranium mill tailings radiation control Act
USDW	underground source of drinking water
WCU	waste control unit
WHP	wellhead protection

case descriptions for the county of interest. A location reference is provided in the tables under the field heading LOCATION and can be used to locate a specific case if the file name is unknown.

## Enforcement Status Matrix

This report is required by TWC, §26.406 to indicate the status of enforcement action for each case of groundwater contamination. For purposes of this report, enforcement action includes any agency action that accomplishes or requires the identification, documentation, monitoring, assessing, or remediation of groundwater contamination. However, the objectives of enforcement action and the means by which enforcement is conducted vary among the regulatory programs.

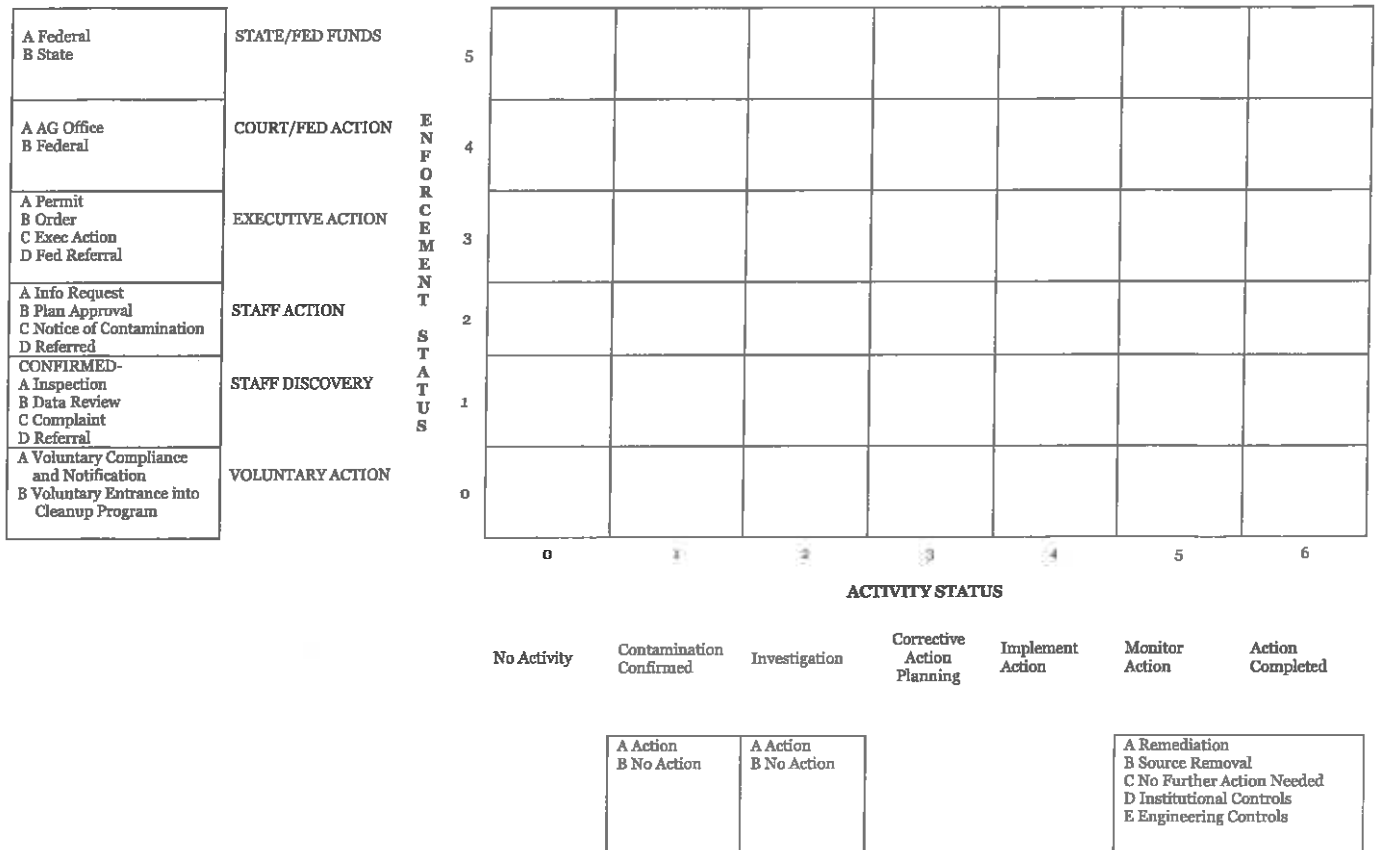
To describe only an agency's enforcement action presents a minimal observance of the regulatory undertaking. Enforcement is ineffective if required actions to address the assessment and mitigation of the contamination cases are not carried out. Therefore, agency actions dealing with contamination events are also placed in context of the activities necessary to address the events. This comparison of the level of agency action and the status or level of contamination assessment and mitigation is presented in the enforcement status matrix (Figure 6).

The enforcement status matrix allows a one-to-one correspondence between an agency's response and the completion of the discrete phases in the progression of contamination investigation and clean up. The vertical (Y) axis of the matrix gives the level of agency response (enforcement status), and corresponds to the first number given in the *ENFORCEMENT STATUS* field in the table. The horizontal (X) axis gives the level or status of contamination site activity (activity status), and corresponds to the second number in the *ENFORCEMENT STATUS* field in the table.

Different circumstances at the same level of agency response or the same level of contamination site activity can be indicated using an alphabetical code associated with each of the two numerical codes. These codes (YA, XA), presenting the enforcement status, followed by the activity status, are tabulated for each contamination case listed in this report.

Once familiar with the matrix, a reader should be able to quickly discern the status of a case and relate its progress in the respective regulatory program to all other cases. The matrix can also summarize the status of all cases by showing how many occur in each grid of the matrix. Each agency table is followed by an *Enforcement Status Summary*, which consists of an enforcement status matrix summarizing the number of cases in each grid space. In addition, each table is accompanied by a statewide map showing the number of groundwater contamination cases, by county.

**Figure 6. Enforcement Status Matrix**



## Enforcement Status Codes

In general, regulatory programs are structured to achieve the desired degree of environmental protection and mitigation with the lowest possible level of agency oversight. Routine monitoring is an example of this type of oversight activity. When monitoring or other activities indicate that greater agency involvement is necessary to address a contamination case, the agency may take enforcement action. Enforcement status codes are described in Figure 7. The enforcement status codes are ordered to reflect the progression of enforcement actions available to most of the agencies.

Figure 7. Enforcement Status Matrix—Enforcement Status Codes

Code	Enforcement	Description
0	Voluntary Action	An entity addresses the contamination incident, without being compelled to do so by enforcement action and either A) reports its actions to the agency, or B) enters into an agency's voluntary cleanup program.
1	Staff Discovery	The agency confirms identification of a contamination incident through its activities, such as: A) inspections, B) reviews of self-reported data, C) complaints received, or D) referrals received from other agencies.
2	Staff Action	The agency initiates an action to address a contamination incident, such as: A) an information request of the entity, B) approval of a work plan (e.g., assessment, corrective action, etc.), C) sending a notice of contamination to affected parties, or D) referring the incident to another agency with jurisdiction.
3	Executive Action	Action at the highest level of the agency, such as: A) issuing a permit with corrective action provisions; B) issuing an administrative order; C) other executive level action such as letter of approval or revocation, or conditional or final release of liability; or, D) referral to federal authorities such as U.S. EPA.
4	Court or Federal Agency Action	When other options fail or do not apply, an agency can: A) seek legal representation by the Texas Attorney General before the courts, or B) let federal agencies seek resolution according to federal laws or programs.
5	State or Federal Funds	The agency, by utilizing special federal (option A) or state (option B) funds, finances the cost of addressing contamination incidents. Examples are the federal and state "superfunds" for abandoned waste sites, and the state fund for plugging oil and gas wells.

**Note:**

Enforcement action includes any agency action which accomplishes or requires the identification, documentation, monitoring, assessing, or remediation of groundwater contamination. The achievements of these objectives vary among the regulatory programs. Not all agencies or programs within an agency will follow all of this sequence: for example, the Superfund program of the TCEQ starts at Status Code 5.

## Activity Status Codes

Once groundwater contamination has been confirmed, either the regulated entity or an agency will address the groundwater contamination case. Confirmed cases of contamination are generally addressed by following a prescribed sequence of actions until it is concluded that no further actions are necessary or required. Once contamination has been detected or is suspected, initial actions consist of validation of sampling results or quality assurance controls to confirm contamination has occurred and is man-induced. An investigation to study the extent, composition, and circumstances of the contamination follows the confirmation of contamination.

Additional actions may or may not be required based on the investigation findings. If the investigation finds that further actions are required, the planning of corrective action measures to address the contamination and source are initiated. Following the development of the corrective action plan, actions are taken to implement the plan and physically address the removal, mitigation or treatment of contamination and source. The effectiveness of the corrective action measures is generally monitored during and after the implementation of the plan. Ultimately, the corrective action measures are considered completed when the site has been remediated, the source has been removed, or when no further actions are required. The activity status codes are further described in Figure 8.

**Figure 8. Enforcement Status Matrix—Activity Status Codes**

<b>Code</b>	<b>Activity</b>	<b>Description</b>
0	No Activity	No actions have been conducted at the incident site. The code is also given to cases that did not have any activity in the reported calendar year, mainly used by the Voluntary Cleanup Program of the TCEQ.
1	Contamination Confirmed	Contamination is being verified through resampling or data quality validation, etc. Options are to: A) take action and investigate further if validated or required, or B) not take action based on confirmation findings.
2	Investigation	The incident is being studied to determine the extent, composition, and/or other properties and circumstances of the contamination. Additional action A) may or B) may not be required based on investigation findings.
3	Corrective Action Planning	A remedy (corrective action plan) for the contamination is being developed (based on the investigation findings). General examples include plans to: remove the source of contamination, remediate impacted groundwater, disinfect or replace wells, etc.
4	Implement Action	The planned remedy (corrective action plan) is being carried out. Actions to address the contamination are being conducted.
5	Monitor Action	The effectiveness of the remedy is being monitored. This can be a long- or short-term action and can be performed during and after implementation.
6	Action Completed	The remedy is considered complete when the desired result has been achieved. Options include: A) remediation efforts were completed (contaminants reduced to health based levels); B) the contaminant source was removed and the impact addressed; C) no further regulatory action required; D) agency action final, however, contamination still exists under institutional controls (deed records noting contamination; use and exposure restrictions; required maintenance of engineering controls, etc.); or, E) agency action final, however, contamination still exists under required engineered controls.

TABLE 1  
GROUNDWATER CONTAMINATION CASE DESCRIPTION BY COUNTY  
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**EXPLANATIONS OF FIELDS**

<b>COUNTY:</b>	THE COUNTY NAME IS THE FIRST ENTRY IN THE LEFT PORTION OF THE TABLE. IT IS LISTED ONLY ONCE FOR EACH OF THE CASES IN THAT COUNTY.
<b>DIVISION:</b>	DIVISIONS ARE LISTED ONLY ONCE WITH THEIR RESPECTIVE CASES FOR EACH COUNTY. ENP - ENFORCEMENT DIVISION RMD - RADIOACTIVE MATERIALS DIVISION REM/CA - REMEDIATION DIVISION/CORRECTIVE ACTION SECTION REM/DCRP - REMEDIATION DIVISION/ DRY CLEANERS REMEDIATION PROGRAM REM/PST - REMEDIATION DIVISION/ PETROLEUM STORAGE TANK PROGRAM REM/SF - REMEDIATION DIVISION/ SUPERFUND CLEANUP PROGRAM REM/SSDAP - REMEDIATION DIVISION/SUPERFUND SITE DISCOVERY AND ASSESSMENT PROGRAM REM/VC - REMEDIATION DIVISION/VOLUNTARY CLEAN UP REM/VCIO - REMEDIATION DIVISION/VOLUNTARY CLEAN UP/INNOCENT OWNER REM/VCBSA - REMEDIATION DIVISION/VOLUNTARY CLEANUP/BROWNFIELDS SITE ASSESSMENT RO - REGIONAL OFFICES WAD/GPAT - WATER AVAILABILITY DIVISION /GROUNDWATER PANNING AND ASSESSMENT TEAM WPD/IHW - WASTE PERMITS DIVISION/INDUSTRIAL AND HAZARDOUS WASTE WPD/MSW - WASTE PERMITS DIVISION/MUNICIPAL SOLID WASTE SECTION WQD/WQAS - WATER QUALITY DIVISION /WATER QUALITY ASSESSMENT SECTION WSD/PDW - WATER SUPPLY DIVISION /PUBLIC DRINKING WATER SECTION
<b>NEW CASES:</b>	AN ASTERISK (*) IS PLACED IN EACH RECORD THAT IS REPORTED AS NEW FOR THE YEAR.
<b>FILE NAME:</b>	FILE NAMES REFLECT RESPONSIBLE PARTIES OR GEOGRAPHIC LOCATION
<b>FILE NUMBER:</b>	FILE NUMBERS ARE ASSIGNED ACCORDING TO THE RESPECTIVE DIVISION NUMBERING SYSTEM. FILE NUMBER IS USED TO LOCATE FILE IN THE TCEQ RECORDS.
<b>LOCATION:</b>	LOCATIONS ARE GIVEN AS ADDRESSES OR GEOGRAPHIC LOCATIONS DESCRIPTIONS.
<b>CONTAMINATION DESCRIPTION:</b>	AS- ARSENIC, CR - CHROMIUM, PB - LEAD, NO <sub>3</sub> - NITRATE, SO <sub>4</sub> - SULFATE, VOC - VOLATILE ORGANIC COMPOUNDS, ORG. - ORGANIC CHEMICALS, TOC - TOTAL ORGANIC COMPOUNDS, TDS - TOTAL DISSOLVED SOLIDS, TCE - TRICHLOROETHENE, MEK - METHYL ETHYL KETONE, CARBON TET - CARBON TETRACHLORIDE, PCP - POLYCHLORINATED PHENYLS, PCB - POLYCHLORINATED BIPHENYLS, TPH - TOTAL PETROLEUM HYDROCARBONS, BTEX - BENZENE - TOLUENE-ETHYLBENZENE-XYLENE, MTBE - METHYL-TERTIARY-BUTYL-ETHER. THE MAJORITY OF CASES INVOLVE PETROLEUM CONTAMINATION.
<b>DATE:</b>	DATE OF EARLIEST KNOWN CONTAMINATION CONFIRMATION.
<b>ENFORCEMENT STATUS:</b>	THE FIRST ENTRY IN THIS FIELD INDICATES THE LEVEL OF AGENCY RESPONSE. THE SECOND INDICATES THE SITE ACTIVITY STATUS. SOME CASES DO NOT HAVE COMPLETE ENFORCEMENT STATUS CODES BECAUSE OF INSUFFICIENT DATA. STATUS CODES MAY BE BORDER-LINE BETWEEN TWO LEVELS ON THE ENFORCEMENT STATUS MATRIX AND ARE ENTERED AS A COMBINATION OF ENFORCEMENT STATUS CODES, I.E.:3A,B OR 4,5. SEE PAGES 33 - 40 FOR A DESCRIPTION OF THESE CODES.
<b>DATA QUALITY:</b>	R - EPA APPROVED ANALYTICAL PROCEDURES, Q - QUALITY CONTROL PROGRAM ESTABLISHED FOR SAMPLING PROCEDURES, V - VERIFICATION OF CONTAMINATION THROUGH PROCEDURES LISTED BELOW: 1. SPLITTING SAMPLES WITH REGULATED ENTITY OR OTHER AGENCY FOR COMPARISON OF ANALYSIS RESULTS 2. RESAMPLING FOR VERIFICATION ANALYSIS RESULTS 3. SUPERVISORY OR COMMITTEE REVIEW OF SAMPLING PROCEDURES AND ANALYSIS RESULTS
<b>SECTION 5.236:</b>	AN ENTRY IN THIS FIELD CONSTITUTES NOTIFICATION UNDER TEXAS WATER CODE SECTION 5.236 TO LOCAL OFFICIALS FOR CASES REPORTED UP TO DEC. 31, 2013 THAT WERE NOT INCLUDED IN THE REPORT THE PREVIOUS YEAR. A "Y" CODE IN THIS FIELD MARKS THOSE CASES IN WHICH CONTAMINATION MAY POTENTIALLY AFFECT A PUBLIC DRINKING WATER SUPPLY OR HAS RESULTED IN POINT -OF-USE IMPACTS. TEXAS WATER CODE SECTION 5.236 REQUIRES THAT TCEQ NOTIFY COUNTY JUDGES AND LOCAL PUBLIC HEALTH OFFICIALS CONTAMINATION. INCLUSION IN THIS REPORT SERVES AS A "BACK-UP" TO STANDARD NOTIFICATION PROCEDURES.



TABLE 1  
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COUNTY	DIVISION	NEW CASES	FILE NAME	FILE NUMBER	LOCATION	CONTAMINATION DESCRIPTION	DATE	ENFORCEMENT STATUS	DATA QUALITY	SECTION 5-216
CHEROKEE	REM/PST		H T TREADWELL OIL CO KEY FOOD 4	108701 116199	400 W LARISSA ST, JACKSONVILLE 711 N DICKINSON, RUSK	GASOLINE UNKNOWN	11/1/1994 10/22/2004	5B 2	6 2A	E,Q E,Q
	REM/VC		SNOKE SPECIAL PRODUCTS	853	HIGHWAY 69 NORTH, JACKSONVILLE	VOCS, METALS, TPH	10/27/1998	5B	5D	E
CHILDRESS	REM/CA		TEXAS DEPT OF TRANSPORTATION (CHILDRESS MAINTENANCE FACILITY)	F048a	1711 AVENUE B SW, CHILDRESS 79201	CHLOROFORM	10/09/1999	0A	2	EQ
	REM/PST		BRIDGES CHEVRON JOE TARRANT OIL CO 62 KWIK PANTRY FFP 351 TAYLOR FOOD MART 31 TEXACO STATION	113452 07222 108723 110920 113005	110 NW AVE F, CHILDRESS 701 NE AVE F, CHILDRESS W HWY 287, CHILDRESS 400 NE AVE F, CHILDRESS 608 AVE F, CHILDRESS	GASOLINE, DIESEL GASOLINE, DIESEL GASOLINE UNKNOWN UNKNOWN	9/21/1998 11/13/1990 11/15/1994 5/2/1996 7/9/1996	5B 5B 5B 5B 5B	2A 2A 2A 2A 2A	E,Q E,Q E,Q E,Q E,Q
CLAY	REM/CA		HENRIETTA RELEASE AREA 2 (MAGELLAN MIDSTREAM PARTNERS)	T2978	BROWN ROAD AND HIGHWAY 287/82	BTEX, TPH	5/22/2012	2C	1A	E,Q
	REM/PST		ALLSUPS 174 GEORGE WALKER OIL CO REED OIL CO WAGON MASTER TRUCK STOP	112932 113486 113893 096382	301 E OMEGA, HENRIETTA HWY 287, BELLEVUE HWY 79, BYERS N HWY 287, BELLEVUE	GASOLINE GASOLINE GASOLINE GASOLINE, DIESEL	1/28/1998 9/29/1998 11/4/1999 6/8/1990	5B 5B 5B 5B	2A 2A 2A 2A	E,Q E,Q E,Q E,Q
COCHRAN	ENF		CITY OF MORTON	WQ001092260011	1 MINE OF INTERSECTION OF SH 114 AND FM 1780	NITRATES (NO3)	4/30/2003	3B	2B	E,Q
	REM/PST		FORMER GASOLINE STATION	109426	102 N MAIN, MORTON	GASOLINE	5/2/1995	5B	2A	E,Q
	WQD/WQAS		CITY OF MORTON	WQ10226-001	1 MILE NORTHEAST OF STATE HIGHWAY 214 AND FARM-TO-MARKET ROAD 1780, NORTHEAST OF THE CITY OF MORTON IN COCHRAN COUNTY, TEXAS	NITRATE	10/13/2005	3A, B	4,5	E,Q
COLLIN	REM/CA		MCKINNEY METALS	F0074	300 N. MCDONALD	TPH, VOCS	2/11/1998	3B	2	E
	REM/PST		FORMER 7-ELVEN 33996	118930	1304 E MAIN ST, ALLEN	GASOLINE	9/5/2012	2	6	E,Q
			FORMER LL GROCERY GARAGE	091130	116 E AUDIE MURPHY PKWY, FARMERSVILLE	UNKNOWN	10/20/1986	1R	1A	E,Q
			JUPITER FOOD MART	119132	3601 N JUPITER RD, RICHARDSON	GASOLINE	5/21/2013	2	6	E,Q
			KENNETH LEWIS FARM	119051	990 SOUTHVIEW DR, LUCAS	DIESEL	2/7/2013	2	6	E,Q
			LOVES COUNTRY STORE 209	118894	1701 S HWY 75, ANNA	UNKNOWN	7/25/2012	2	2A	E,Q
			NTA MAINTENANCE FACILITY	117905	1080 OHIO DR, PLANO	GASOLINE	2/2/2009	2	6	E,Q
	REM/VC		PARKWAY MOBIL MART	115006	2405 E PLANO PKWY, PLANO	GASOLINE	4/28/2009	2	6	E,Q
			QUIKTRIP 892	115112	1106 E SPRING CREEK PKWY, PLANO	GASOLINE	5/6/2013	2	6	E,Q
			BENT TREE SHOPPING CENTER HUTSON INDUSTRI ES, INC.	747 944	17610 MIDWAY ROAD, DALLAS 100 HUTSON DRIVE, FRISCO	CHLORINATED SOLVENTS VOCS	4/7/1998 3/11/1999	0B 0B	5A 5E	E E
	REM/VCIO		PRAIRIE CREEK VILLAGE SHOPPING CENTER WATLEY PARK PROPERTY	2606 1258	2963 W 15TH ST, PLANO 1/4 MILE SOUTH OF US 380, MCKINLEY	VOCS, CHLORINATED SOLVENTS SOLVENTS	8/27/2013 9/14/2000	0B 0B	2 5A	E E
			BURGER KING RESTAURANT FIRST BANK AND TRUST	886 522	601 S SAM HOUSTON BLVD, SAN BENITO 321 NORTH CENTRAL EXPRESSWAY, DALLAS	VOCS, TPH VOCS	8/12/2013 11/29/2005	2B 0	2B E	E E
		VALWOOD 44	883	1644 W CROSSBY RD, CARROLLTON	VOCS, CHLORINATED SOLVENTS, TPH	7/25/2013	2B	E	E	

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COLLIN	WPD/MSW		NORTH TEXAS MUNICIPAL WATER DISTRICT LANDFILL	MSW00044A	1 MILE S OF FM 544 BETWEEN HOOFFER ROAD AND MAXWELL CREEK ROAD/ DEWITT ROAD	MW-4, 11, 12: VOCs (BENZENE; CHLOROBENZENE; 1,4-DICHLOROETHYLENE); CIS-1,2-DICHLOROETHYLENE	12/31/2004	2B	2B	E,Q,V2
			NORTH TEXAS MUNICIPAL WATER DISTRICT LANDFILL	MSW000568A	500 OLD MILL RD MCKINNEY TX 75069	MW-18: VOC (BENZENE) VOC (CIS-1,2-DICHLOROETHYLENE)	MW-11Q: 10/11/2012	2B	2A	
COLLINGSWORTH	REM/CA		TXDOT, MAIN- WELLINGTON	F0430	WELLINGTON	TPH	12/5/2002	3B	3-4	EQV2
	REM/PST		HOLTON OIL CO LUCKY CORNER	103223	1101 8TH ST, WELLINGTON	GASOLINE	7/12/1992	5B	2A	E,Q
			T C TRADING CO	118217 118373	1500 HOUSTON, WELLINGTON 1409 HOUSTON ST, WELLINGTON	GASOLINE UNKNOWN	1/26/1998 7/21/2010	5B 5B	4 6	E,Q E,Q
COLORADO	REM/PST		DANS MINUTE STOP SHAMROCK SERVICE CENTER	113354 097597	601 E MAIN, EAGLE LAKE 2417 S HWY 71, COLUMBUS	DIESEL GASOLINE	7/22/1998 12/21/1990	2 5B	5 2A	E,Q E,Q
	REM/VC		LCRA LAKE PUMP PLANT	1860	4052 FM 102, EAGLE LAKE	METALS	8/31/2005	0B	6	
	WPD/MSW		ALTAIR DISPOSAL SERVICES LLC LANDFILL	MSW000203A	2 MILES N OF ALTAIR ON W SIDE OF STATE HIGHWAY 71	MW-14, 15, 17, 18, 19: BARIUM; MW-18, 20, 21: VOCs (1,4-DCB); SW-10: LEAD	12/31/2005	2B	2B	E,Q,V2
COMAL	REM/PST		ENVIRONMENTAL IMPACT FORMER PARKSIDE MART	118048 119185	UNKNOWN, NEW BRAUNFELS 486 LANDA ST, NEW BRAUNFELS	GASOLINE GASOLINE	5/11/2009 7/23/2013	5B 2	2A 6	E,Q E,Q
	WPD/MSW		MESQUITE CREEK LANDFILL	MSW00066B	1000 KOHLENBERG RD, NEW BRAUNFELS TX 78130	MW-02A: VOCs (1,1-DICHLOROETHANE; CIS-1,2-DICHLOROETHYLENE)	7/27/2011	2B	2B	E,Q,V2
COMANCHE	REM/PST		FORMER CT AUTO FUEL 2	118871	512 W NAVARRO AVE, DELEON	GASOLINE	7/11/2012	2	2A	E,Q
			NEWMAN SALES	112602	701 W CENTRAL, COMANCHE	GASOLINE	9/10/1997	5B	2A	E,Q
CONCHO	REM/PST		BOBS TEKACO	114684	277 N ROBERTS ST, PAINT ROCK	GASOLINE	7/23/1998	2	2A	E,Q
			EDEN SELF SERVE STATION	110563	106 E BROADWAY, EDEN	GASOLINE	4/23/1996	5B	2A	E,Q
			J J SERVICE STATION	113573	318 S MAIN ST, EDEN	WASTE OIL	11/5/1998	5B	2A	E,Q
			TRES AMIGOS CONVENIENCE STORE 2	115719	502 W BROADWAY, EDEN	UNKNOWN	5/2/2003	1B	1A	E,Q
COOKE	WPD/MSW		CITY OF GAINESVILLE LANDFILL	MSW000302	N OF FM 902 2.5 MILE E OF FM 902 AND FM 373 INTERSECTION IN COOKE COUNTY	MW-2: VOCs (CHLOROBENZENE); MW-3R: VOCs (1,4-DICHLOROBENZENE)			6C	E,Q,V2
			MCGREGOR NAVAL WEAPONS INDUSTRIAL RESERVE	30056	22145 ARNOLD CIR, WACO 20670	ORGANICS, INORGANICS	3/1/1993	3A	5	E,Q,V2
CORYELL	REM/CA		A STOP	119046	2102 S FM 116, COPPERAS COVE	GASOLINE, DIESEL	1/28/2013	2	6	E,Q
	WPD/MSW		PORT HOOD LANDFILL	MSW01846	INTERSECTION OF TURKEY RUN ROAD AND BASE ROAD 2.6 MILES N OF US HIGHWAY 190 OVERPASS	MW-8, 18, 19, 20: VOCs (1,1-DICHLOROETHANE; CIS-1,2-DICHLOROETHYLENE)	1/10/2011	2B	2B	E,Q,V2
CROSBY	REM/PST		ALLSUPS CONVENIENCE STORE 12	092693	502 W MAIN, CROSBYTON	GASOLINE	3/17/1989	5B	2A	E,Q
			CITY AUTO FACILITY	101301	506 W MAIN ST, CROSBYTON	GASOLINE	12/31/1991	5B	2A	E,Q

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DALLAS	REM/VCIO		ST. ANDREW'S EPISCOPAL CHURCH	471	2783 VALWOOD PARKWAY, FARMERS BRANCH	VOCS	2/14/2005	0	E		
			ST. KIM'S	792	2712 SWISS AVENUE, DALLAS	VOCS, TPH	9/21/2011	2B	E		
			SV HARDY PROPERTY	827	2303 SHORECREST DRIVE, DALLAS	VOCS	6/20/2012	2B	E		
			THE VILLAGE OF EASTGATE APARTMENTS	443	1765 PLAZA DRIVE, GARLAND	CHLORINATED SOLVENTS, TPH	9/28/2004	0	E		
			TOWN AND COUNTRY SHOPPING CENTER	292	3518, 3522 COLE AVE/3131 LEMMON AVE, DALLAS	CHLORINATED SOLVENTS	4/5/2002	0	E		
			UPPER VINEYARDS PROPERTY	358	8600 CEDAR SPRINGS ROAD, DALLAS	CHLORINATED SOLVENTS, TPH	5/5/2003	0	E		
	WPD/MSW			VACANT TRACT OF LAND - PRUDENTIAL	229	1401 PRUDENTIAL DR, DALLAS	VOCS, METALS, CHLORINATED SOLVENTS, TPH	3/20/2001	0	E	
				VINTAGE CAR WASH	637	4225 WEST NORTHWEST HIGHWAY, DALLAS	CHLORINATED SOLVENTS	8/22/2007	0	E	
				WAREHOUSE BUILDING-3551 DAN MORTON	767	3551 DAN MORTON DRIVE, DALLAS	VOCS, CHLORINATED SOLVENTS	11/5/2010	1B	E	
				CASTLE LANDFILL	MSW01062A	.3 MILE NE OF CASTLE DRIVE AND ROWLETT ROAD IN GARLAND CITY LIMITS	MW-14A, 20, 21: VOCS (CHLOROBENZENE, CIS-1,2-DICHLOROETHYLENE, 1,4-DICHLOROBENZENE)	6/21/1994	2B	2B	E,Q,V2
				CITY OF GRAND PRAIRIE LANDFILL	MSW00996C	.5 MILES E OF MYERS ROAD 750 FEET N OF IH 30 IN GRAND PRAIRIE CITY LIMITS	MW-4A, 7, 9: VOCS (CIS-1,2-DCE); MW-5A, 9: VOCS (1,2-DCA)	12/1/1998	2B	2B	E,Q,V2
				HUTCHINS LANDFILL	MSW01236A	1.75 MILE E NE OF IH 45 AND IH 30 INTERSECTION 750 FEET S OF IH 20 E END LANGDON DR	MW-10A, 13A: VOCS (CHLOROBENZENE, 1,4-DICHLOROBENZENE)	6/24/2011	2B	2B	E,V2
				MCCOMMAS BLUFF LANDFILL	MSW00062	5100 YOUNGBLOOD ROAD AND MCCOMMAS BLUFF	MW-2: VOCS (CHLOROBENZENE); MW-5, 13: ARSENIC	12/31/2004	2B	2B	E,Q,V2
				TRINITY OAKS LANDFILL	MSW00556	7 MILES S OF MESQUITE .5 MILE SE OF INTERSECTION OF INTERSTATE HIGHWAY 635 AND US HIGHWAY 175	MW-14: VOCS (CHLOROBENZENE, 1,4-DCE); MW-15: VOCS (CHLOROBENZENE)	5/2/2013	2B	2B	E,Q,V2
		DAWSON	REM/CA		TEXAS DEPT OF TRANSPORTATION (LAMESA MAINTENANCE FACILITY)	F0493	1613 A N HIGHWAY 87, LAMESA 79331	1,2-DIBROMOETHANE, BENZENE, PENTACHLOROPHENOL, METALS	8/19/1998	2A	3,4,5
REM/PST				CHAPA GULF SERVICE	094305	411 N BRYAN, LAMESA	GASOLINE	1/15/1990	5B	4	E,Q
			DEER 66 STATION	094199	909 N 4TH ST, LAMESA	GASOLINE	1/4/1990	5B	4	E,Q	
			H B MORRIS	094390	802 S DALLAS, LAMESA	GASOLINE	1/23/1990	5B	4	E,Q	
			J M SHAMROCK	092333	611 N 4TH ST, LAMESA	GASOLINE	2/1/1989	5B	4	E,Q	
			JOHNSONS 66 STATION	093850	1102 N DALLAS AVE, LAMESA	GASOLINE	10/25/1989	5B	4	E,Q	
WPD/MSW			LAMESA 66 TRUCK STOP	108399	HWY 87, LAMESA	GASOLINE	8/19/1994	5B	2A	E,Q	
			MCS MINI MART	096831	701 S DALLAS AVE, LAMESA	GASOLINE	8/3/1990	5B	4	E,Q	
			SERVICE STATION	092112	211 S DALLAS, LAMESA	GASOLINE	9/1/1988	2	2A	E,Q	
			CITY OF LAMESA LANDFILL	MSW00517A	1 MILE S INTERSECTION OF FM 827 AND US HIGHWAY 87 ON COURT C STREET	MW-5A: ARSENIC, COBALT, VANADIUM; MW-14A: ARSENIC, VANADIUM	9/25/2008	2B	2B	E,Q,V2	
DEAF SMITH	REM/PST		CONSUMERS FUEL CORP	105059	116 NEW YORK ST, HEREFORD	GASOLINE	11/13/1992	5B	2A	E,Q	
			TAYLOR PETROLEUM 14	097992	401 E 1ST ST, HEREFORD	GASOLINE	2/14/1991	5B	2A	E,Q	
	WQD/WQAS		HEREFORD BY-PRODUCTS	WQ01300	APPROX 3.5 MI SW OF HERFORD ON HWY 60, 4.2 MI, SW OF INTX OF FM RD 1057 AND HWY 60 IN DEAFSMITH CO	NITRATE, TOTAL DISSOLVED SOLIDS	10/12/2004	2B	4,5	E	
DELTA	REM/PST		ABANDONED STATION	115745	530 E DALLAS ST, COOPER	UNKNOWN	5/27/2003	1B	1A	E,Q	
		DENTON	REM/CA		FORMER HERITAGE CLEANERS LEWISVILLE	72894	1310 WEST MAIN STREET	MTBE, PCE, TCE, CIS-1,2 DCE, VINYL CHLORIDE	3/8/1996	2C	1A
				SAFETY KLEEN CORP	65124	1722 COOPER CREEK RD, DENTON 76208	DIBSKL	1/22/1988	4	4, 5	E,Q

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DENTON	REM/DCRP		BAUMGART FAMILY CLEANERS	DC0047	2216 LONG PRAIRIE ROAD, FLOWER MOUND	CHLORINATED SOLVENTS	8/22/2006	5B 0	E		
			COMET CLEANERS - DENTON	DC0052	507 WEST UNIVERSITY DRIVE	CHLORINATED SOLVENTS	4/17/2008	5B 0	E		
			GARDEN RIDGE PLAZA - FORMER CALCON CLEANERS	DC0112	601 CROSS TIMBERS ROAD	CHLORINATED SOLVENTS	9/26/2001	5B 0	E		
		REM/PST		HI-TECH CLEANERS - NORTH COLONY	DC0066	6805 MAIN STREET, THE COLONY	CHLORINATED SOLVENTS	1/10/2005	5B 0	E	
				7 ELEVEN STORE 26575	119193	1610 TEASLEY LN, DENTON	GASOLINE	8/14/2013	2 6	E,Q	
				CARROLLTON STORM OIL	118068	1829 W FRANKFORD RD, CARROLLTON	GASOLINE	6/10/2009	2 2A	E,Q	
				CHEVRON 6026443	116139	1301 S HWY 121, LEWISVILLE	GASOLINE	9/27/2004	2 2A	E,Q	
				FIESTA MART	119191	3112 W UNIVERSITY DR, DENTON	GASOLINE	5/29/2013	2 6	E,Q	
				FORMER E Z LUBE	114554	1903 N LOCUST ST, DENTON	UNKNOWN	4/20/1999	2 6	E,Q	
				FORMER JOES COUNTRY STORE	110351	7616 N MAIN ST, THE COLONY	GASOLINE	3/8/1996	2 2A	E,Q	
				FORMER LOOP 288 SHELL	116240	3012 E UNIVERSITY DR, DENTON	UNKNOWN	11/5/2004	2 2A	E,Q	
				INTERSTATE TRUCK	117524	FM 407, ARGYLE	UNKNOWN	1/3/2008	1B 1A	E,Q	
				JOHNNY JESTER PROPERTY	117650	4545 TEASLEY LN, DENTON	GASOLINE	9/18/2008	2 2A	E,Q	
				JOHNNY JOES 2	113659	800 W WALCOTT, PILOT POINT	GASOLINE, DIESEL	11/17/1998	5B 2A	E,Q	
				K W AUTO SUPPLY	118728	108 E MAIN ST, LEWISVILLE	UNKNOWN	1/30/2012	2 2A	E,Q	
				KENS QUIK MART	118463	7420 MAIN ST, THE COLONY	GASOLINE	1/4/2001	2 6	E,Q	
				LEWISVILLE PEST CONTROL LTD	114694	331 N MILL ST, LEWISVILLE	GASOLINE, DIESEL	7/27/1999	2 2A	E,Q	
				MIDWAY	113738	17605 W HWY 280, PONDER	GASOLINE, DIESEL	12/2/1998	5B 2A	E,Q	
				CASIS CAR WASH 5043	119039	1111 W FM 3040, LEWISVILLE	DIESEL	1/24/2013	2 5	E,Q	
				PIER 121 MARINA	117825	1481 E HILL RD, LEWISVILLE	GASOLINE	9/23/2008	2 2A	E,Q	
				RACETRAC 600	112867	1716 W FRANKFORD RD, CARROLLTON	GASOLINE	12/31/1997	2 2A	E,Q	
				STAR TRAVEL PLAZA	117523	6421 N IH 35, DENTON	OTHER	12/28/2007	2 2A	E,Q	
				STEPHENS FUEL CENTER	118754	422 S HWY 377, PILOT POINT	GASOLINE	3/9/2012	2 2A	E,Q	
				TECO 401	119027	2400 S INTERSTATE 35 E, DENTON	GASOLINE	1/14/2013	2 6	E,Q	
				WHIP IN 111	118155	101 HOLFORDS PRAIRIE RD, LEWISVILLE	GASOLINE	9/30/2009	2 2A	E,Q	
	REM/VC			300 E. MCKINNEY STREET	2561	300 E MCKINNEY ST, DENTON	VOCS, METALS, TPH	12/21/2012	0B 2	E	
				ALAMO MANHATTAN VICTORY, LLC	2512	2701 HARRY HINES BLVD, DALLAS	VOCS	8/17/2012	0B 6	E	
			ANADITE MANUFACTURING FACILITY	2623	711 W HURST BLVD, HURST	VOCS, TPH	8/24/1998	0B 4	E		
			BACKWOODS TRAPS	1921	26828 US HIGHWAY 280 EAST, AUBREY	METALS, TPH	6/1/2006	0B 2	E		
			CEDAR SPRINGS AND CARLISLE SITE	2493	2728 CEDAR SPRINGS RD, DALLAS	VOCS, METALS, CHLORINATED SOLVENTS	5/23/2012	0B 4	E		
			COMMONWEALTH INDUSTRIAL, LLC	2318	3131 IRVING BLVD, COMMONWEALTH/LAKAWANA, DALLAS	VOCS, METALS	5/3/2010	0B 2B	E		
			EXPLORER PIPELINE-WARSCHUN ROAD SITE	2411	2700 BLOCK OF WARSCHUN ROAD, DENTON	VOCS, VOCS, TPH	12/30/2011	0B 4	E		
			FLOWER MOUND CROSSING	2363	2608 FLOWER MOUND ROAD, FLOWER MOUND	VOCS, TPH	12/27/2012	0B 3	E		
			FORMER GASOLINE/AUTOMOTIVE SERVICE STATION	2605	111 MAIN ST, LITTLE ELM	VOCS, METALS, PESTICIDES	8/23/2013	0B 2	E		
			GE SEALANTS AND ADHESIVES	1376	10950 SOUTH PIPELINE RD, EULESS	CHLORINATED SOLVENTS	8/28/2001	0B 3	E		
REM/VCIO			OFFICE WAREHOUSE STORAGE FACILITY	2582	1000 LAKE RIDGE RD, LEWISVILLE	OTHER	3/23/2012	0B 3	E		
			OLD FARLAND CAMPUS EXPANSION MULTI TRACTS	2340	2429 REAGAN, 4001 MAPKES & 249 REAGAN, DALLAS	METALS, CHLORINATED SOLVENTS	8/10/2010	0B 6	E		
			36.08 ACRE TRACT	778	SOUTH OF AIRPORT ROAD, DENTON	CHLORINATED SOLVENTS	4/13/2011	2B 6	E		
WPD/MSW			FORMER ALBERTSON GROCERY STORE	814	2600 FLOWER MOUND ROAD, FLOWER MOUND	CHLORINATED SOLVENTS, OTHER	3/23/2012	0B 6	E		
			FUTURE ARGYLE BROOKSHIRE STORE SITE INDUSTRIAL DEVELOPMENT	881 699	SEC HWY 237/ COUNTRY CLUB DR, ARGYLE 148 ACRE TRACT SOUTH OF AIRPORT ROAD, DENTON	VOCS CHLORINATED SOLVENTS	7/10/2013 9/2/2008	6 0	E E		
WPD/MSW			CAMELOT LANDFILL	MSW01312A	8 MILE S STATE HIGHWAY 121 N TRINITY RIVER 1.5 MILE W FM 2281	MW-1R, 4R, 9, 26, 27, 28; VOCS (1,1-DCA; CIS-1,2-DCE; TRANS-1,2-DICHLOROETHYLENE; TRICHLOROETHYLENE; VINYL CHLORIDE; MEK)	6/4/2003	2B 4.5A	E,Q,V2		
			CITY OF DENTON LANDFILL	MSW01390A	0.35 MILE E OF EDWARDS ROAD AND MAYHILL ROAD INTERSECTION 0.35 MILE S OF WASTE WATER TREATMENT PLANT	MW-4U: VOCS (1,1-DCA; CIS-1,2-DICHLOROETHYLENE; PCB; TCE)	9/15/2005	2B 4.5	E,Q,V2		
			DFW RECYCLING AND DISPOSAL FACILITY	MSW01025B	2.25 MILE E SE OF INTERSECTION OF INTERSTATE HIGHWAY 35 E AND US HIGHWAY 121	MW-A, BB, EE, HR, M, P, S: VOCS (CHLOROETHANE; CIS 1,2-DICHLOROETHYLENE)	12/31/2004	2A 3	E,Q,V2		

TABLE 1  
GROUNDWATER CONTAMINATION CASE DESCRIPTION BY COUNTY  
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUMMARY

TOTAL NUMBER OF GROUNDWATER CONTAMINATION CASES		% OF TCEQ TOTAL	% OF REPORT TOTAL
ENF - ENFORCEMENT DIVISION	4	0.1	0.1
RO - REGIONAL OFFICES	1	<0.1	<0.1
RMD - RADIOACTIVE MATERIALS DIVISION	4	0.1	0.1
REM/VC - REMEDIATION DIVISION/VOLUNTARY CLEAN UP	560	18.4	15.7
REM/VCIO - REMEDIATION DIVISION/VOLUNTARY CLEAN UP INNOCENT OWNER	225	7.4	6.3
REM/VCBSA - REMEDIATION DIVISION/VOLUNTARY CLEANUP/BROWNFIELDS SITE ASSESSMENT	1	<0.1	<0.1
REM/CA - REMEDIATION DIVISION/CORRECTIVE ACTION SECTION	563	18.5	15.8
REM/DCRP - REMEDIATION DIVISION/ DRY CLEANER REMEDIATION PROGRAM	181	5.9	5.0
REM/SF - REMEDIATION DIVISION/ SUPERFUND CLEANUP SECTION	85	2.8	2.4
REM/SSDAP - REMEDIATION DIVISION/SUPERFUND SITE DISCOVERY AND ASSESSMENT TEAM	11	0.4	0.3
REM/PST - REMEDIATION DIVISION/ PETROLEUM STORAGE TANK SECTION	1,309	43.2	36.7
WPD - WASTE PERMITS DIVISION	62	2	1.7
WQD/WQAS - WATER QUALITY DIVISION WATER QUALITY ASSESSMENT SECTION	16	0.5	0.4
WAD/GPAT - WATER AVAILABILITY DIVISION/ GROUNDWATER PLANNING AND ASSESMENT TEAM	5	0.1	0.1
WSD/PDW - WATER SUPPLY DIVISION /PUBLIC DRINKING WATER SECTION	3	0.1	<0.1
TOTAL NUMBER OF GROUNDWATER CASES REGULATED BY THE TCEQ	3,030	100%	85.0%
TOTAL NUMBER OF NEW CASES REGULATED BY THE TCEQ	347	11.4%	9.7%
TOTAL NUMBER OF COUNTIES WITH GROUNDWATER CONTAMINATION CASES REGULATED BY THE TCEQ	204		

**Figure 11. TCEQ Enforcement Status Summary**

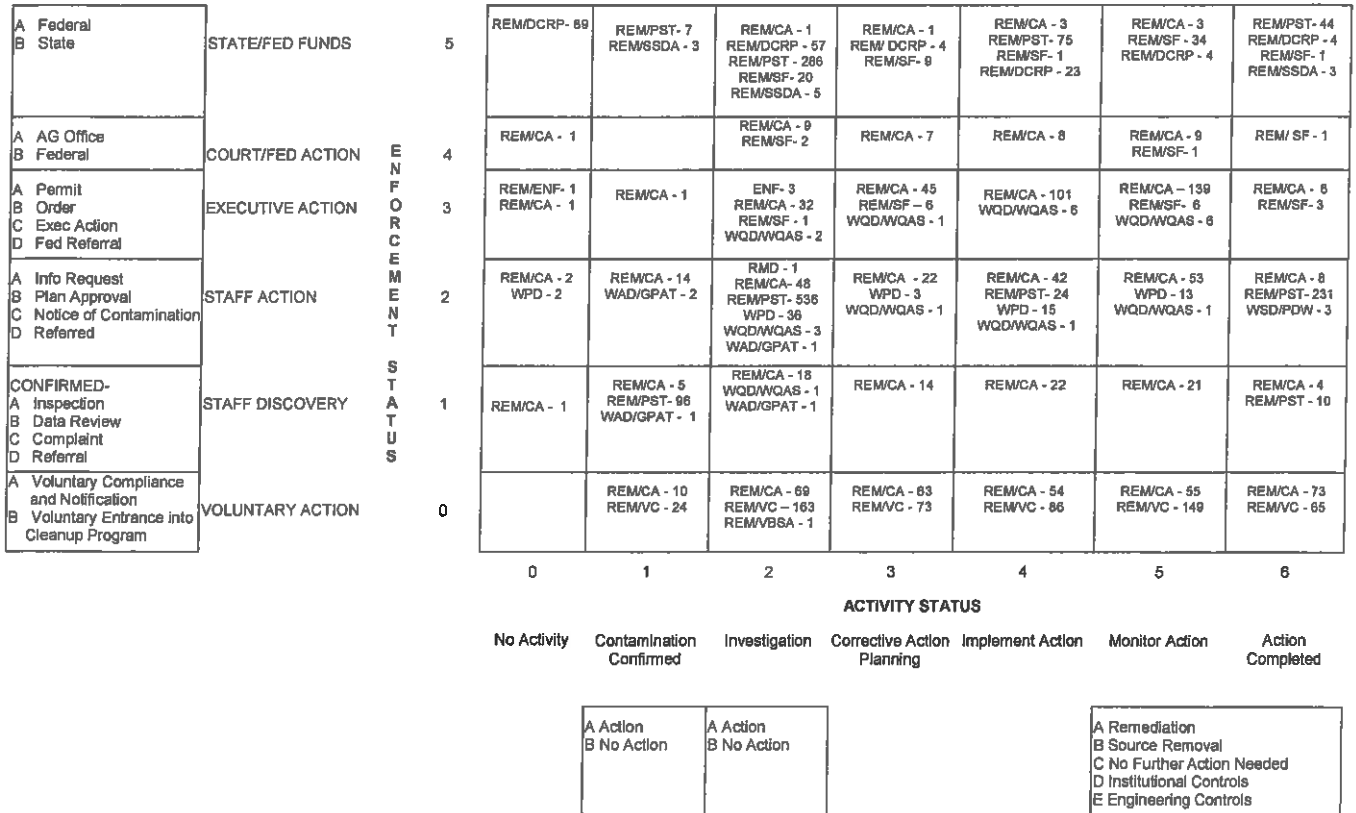


Figure 12. TCEQ County Contamination Map

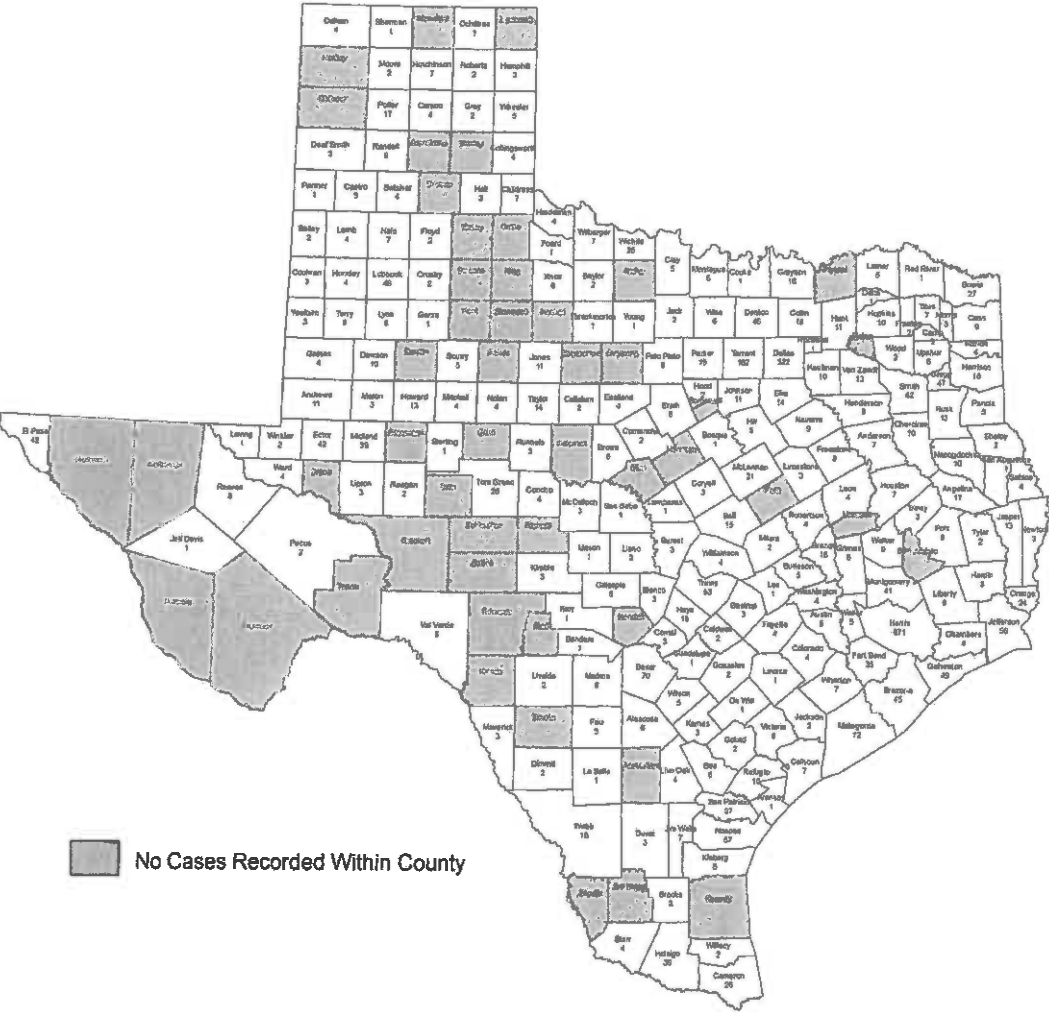


TABLE 2  
GROUNDWATER CONTAMINATION CASE DESCRIPTION BY COUNTY  
RAILROAD COMMISSION OF TEXAS

EXPLANATIONS OF FIELDS

**COUNTY:** THE COUNTY NAME IS THE FIRST ENTRY IN THE LEFT PORTION OF THE TABLE. IT IS LISTED ONLY ONCE FOR EACH OF THE CASES IN THAT COUNTY.

**DIVISION:** THESE ARE THE SPECIFIC REGULATORY PROGRAMS WITHIN THE RAILROAD COMMISSION. DIVISIONS ARE LISTED ONLY ONCE FOR THEIR RESPECTIVE CASES IN EACH COUNTY. SEE ACRONYM LIST (PAGE III) FOR AGENCY DIVISION ABBREVIATIONS.

**NEW CASES:** AN ASTERISK (\*) IS PLACED IN EACH RECORD THAT IS REPORTED AS NEW FOR THE YEAR.

**FILE NAME:** FILE NAMES REFLECT RESPONSIBLE PARTIES OR GEOGRAPHIC LOCATION

**FILE NUMBER:** FILE NUMBERS ARE ASSIGNED ACCORDING TO RRC DISTRICT COMPLIANT NUMBERING SYSTEMS, SOME DISTRICTS INCLUDE THE YEAR IN THE COMPLIANT NUMBER. SOME CASES HAVE NO NUMBERS BECAUSE THE CASE WAS INITIATED BY INSPECTION OR SOME OTHER MANNER. A FEW CASES ARE CODED ACCORDING TO RRC HEARING DOCKET NUMBER.

**LOCATION:** LOCATION DESCRIPTIONS VARY DEPENDING ON THE SCOPE OF THE INVESTIGATION AND WHETHER OR NOT THE COMPLAINANT'S PROPERTY IS ON AN OIL AND GAS LEASE. THE INVESTIGATIONS THAT ARE NARROWER IN GEOGRAPHIC SCOPE ARE DESCRIBED BY LATITUDE AND LONGITUDE.

**CONTAMINATION:** CL - CHLORIDE, BA - BARIUM, BTEX - BENZENE, TOLUENE, ETHYLBENZENE, AND XYLENE, HCL - HYDROCHLORIDE ACID, GW - GROUNDWATER, NACL - SODIUM CHLORIDE, NG - NATURAL GAS, PSH - PHASE SEPARATED HYDROCARBONS, TDS - TOTAL DISSOLVED SOLIDS, SW - SURFACE WATER. MOST CASES SITE SODIUM CHLORIDE AS CONTAMINATION. SOME CASES INVOLVE REFINED HYDROCARBONS, OTHERS CITE CHLORIDE BECAUSE CATIONS OTHER THAN SODIUM MAY BE PRESENTS IN HIGH CONCENTRATION.

**ENFORCEMENT STATUS:** ACTIONS AND NOTICES OF VIOLATIONS ARE TAKEN AT STAFF LEVEL AND MAY BE CONCURRENT. THE CLOSURE OR SHUT-IN OF FACILITIES AND PLUGGING OF WELLS MAY ALSO BE DIRECTED AT STAFF LEVEL. STAFF DIRECTIVES ARE IDENTIFIED AS ENFORCEMENT STATUS. ACTIONS MAY BE STEPPED UP TO A FORMAL ENFORCEMENT LEVEL WHICH CAN BE CATEGORIZED AS EXECUTIVE ACTION AND INCLUDE ADMINISTRATIVE PENALTIES AND ORDERS. IN SOME CASES, GROUNDWATER CONTAMINATION MAY BE DOCUMENTED BUT SPECIFIC SOURCE OR AN ACTUAL RESPONSIBLE PARTY CANNOT BE IDENTIFIED. ENFORCEMENT STATUS WOULD BE CATEGORIZED AS STAFF DISCOVERY. ACTIONS OF RESPONSIBLE PARTIES WHO DISCOVER AND REPORT GROUNDWATER CONTAMINATION ARE CATEGORIZED AS VOLUNTARY ACTIONS EVEN THOUGH INVESTIGATIVE OR REMEDIAL PLANS ARE REVIEWED AND APPROVED BY THE OIL AND GAS DIVISION.

**DATA QUALITY:** E - EPA APPROVED ANALYTICAL PROCEDURES  
Q - QUALITY CONTROL PROGRAM ESTABLISHED FOR SAMPLING PROCEDURES  
V - VERIFICATION OF CONTAMINATION THROUGH PROCEDURES LISTED BELOW:  
1. SPLITTING SAMPLES WITH REGULATED ENTITY OR OTHER AGENCY FOR COMPARISON OF ANALYSIS RESULTS  
2. RESAMPLING FOR VERIFICATION ANALYSIS RESULTS  
3. SUPERVISORY OR COMMITTEE REVIEW OF SAMPLING PROCEDURES AND ANALYSIS RESULTS



TABLE 2  
GROUNDWATER CONTAMINATION CASE DESCRIPTION BY COUNTY  
RAILROAD COMMISSION OF TEXAS

COUNTY	DIVISION	NEW CASES	FILE NAME	FILE NUMBER	LOCATION		CONTAMINATION DESCRIPTION	ENFORCEMENT STATUS	DATA QUALITY	
CHAMBERS	OIL & GAS		ENTERPRISE W STORAGE BRINE POND #1 M.B. ENVIRONMENTAL	OCP#4935 OCP#4985	W OF HWY 145, MT BELVIEU STELLING, R.S. LEASE, FM 563, WALLSVILLE	LAT 29.85, LONG -94.91 LAT 29.88, LONG -94.69	CHLORIDE CHLORIDE	1B 2	4 4	E,Q,V,2 E,Q,V,2
			MAYES FIELD COMPRESSOR STATION	OCP#9429	SMITH POINT	LAT 29.57, LONG -94.71	BENZENE, ARSENIC	0	5	E,Q,V,2
			SUNOCO PIPELINE, LP, BARBERS HILL CRUDE OIL RELEASE	OCP#4177	0.25 MI N O I-10 & HWY 146, MONT BELVIEU	LAT 29.83, LONG -94.89	BENZENE, TPH, LNAPL	0	4	E,Q,V,2
			TURTLE BAYOU SITE	BRP#1101	FM 563 AT TURTLE BAYOU, ANAHUAC	LAT 29.83, LONG -94.67	CHLORIDE	0	2B	E,Q,V,2
CLAY	OIL & GAS		CONOCO	OCP#2181	MATTIE WILSON DISCHARGE, MEYERS PROPERTY	LAT 33.63, LONG -98.29	CRUDE OIL	1C	4	E,Q,V,2
COCHRAN	OIL & GAS		OXY USA - LEHMAN COMPRESSOR STATION	OCP#1611	LEVELLAND FIELD, 5 MI S OF LEHMAN	LAT 33.55, LONG -102.82	CONDENSATE	1D	4	E,Q,V,2
COKE	OIL & GAS		SUNOCO, INC. WENDKIRK OIL FIELD	OCP#3002 OTH	JAMESON WELL COMPLAINT NONPOINT SOURCE INVESTIGATION & REMED.	LAT 32.05, LONG 100.68 LAT 31.85, LONG -100.39	BTEX, TPH, FREE PRODUCT CHLORIDE	1C 1B	1 2B	E,Q,V,2 E,Q,V,2
			WEST TEXAS GAS (FORM MITCHELL GAS SERV (DEVON))	OCP#1533	JAMESON GAS PLANT, 2 MI S OF SILVER	LAT 32.05, LONG -100.68	CONDENSATE	1A	4	E,Q,V,2
			BOUNDARY VENTURES ENTERPRISE N CHESTERFIELD AMINE TREATING FACILITY	OCP#4926 OCP#3303	ALTAIRE FACILITY 5959 BEAL ROAD NEAR EAGLE LAKE	LAT 29.55, LONG -96.46 LAT 29.62, LONG -96.26	CHLORIDE BENZENE	3 0	1 5	E,Q,V,2 E,Q,V,2
COMAL	OIL & GAS		KINDER MORGAN ENERGY PARTNERS, LP NEUENDORFF COMPLAINT	OCP#4968 CU#52839	HOUSTON CENTRAL GAS PLANT NORTH OF COLUMBUS	LAT 29.47, LONG -96.62 LAT 29.84, LONG -96.62	TPH CHLORIDE	0 1C	4 2B	E,Q,V,2 E,Q,V,2
			CHEVRON ENVIRONMENTAL MGMT CO.	OCP#4833	HEARNE PIPELINE	LAT 29.74, LONG -98.05	LNAPL	1D	3	E,Q,V,2
COMANCHE	OIL & GAS		EXXONMOBILE REFINING AND SUPPLY CO.	OCP#3033	FORMER DELBON STATION	LAT 32.18, LONG -98.54	BTEX, TPH	0	6C	E,Q,V,2
COOKE	OIL & GAS		TOM DANGLEMYER COMPLAINT	COMP#97-5206	DANGLE FIELD, 5 MI SOUTH OF MUEINSTER		NATURAL GAS	1	3	E,Q,V,2
CRANE	OIL & GAS		B P AMOCO (FORMERLY ARCO PERMIAN)	OCP#1132	BLOCK 31 GAS PLANT, 8 MI NW OF CRANE	LAT 31.44, LONG -102.46	PSH IN GW	1	5	E,Q,V,2
CRANE	OIL & GAS		BUTLER COMPLAINT	COMP#9558	LEA (SAN ANDRES) FIELD, 10 MI W OF CRANE		NACL	1C	2B	E,Q,V,2
			CRANE GATHERING STATION GROUP	OCP#4823	CRANE STATION	LAT 31.43, LONG -102.44	CRUDE OIL	0	4	E,Q,V,2
			EXXONMOBIL	OCP#1292	SANDHILLS GAS PLANT	LAT 31.46, LONG -102.62	BTEX	0	5	E,Q,V,2
			KINDER MORGAN, INC.	OCP#1456	MONAHANS SS, SANDHILLS COMPRESSOR STA.	LAT 31.49, LONG -102.58	PSH ON GROUNDWATER	0	5	E,Q,V,2
			KINDER MORGAN, INC. PLAINS MARKETING, L.P.	OCP#1842 OCP#1989	WADDELL COMPRESSOR STATION MCELROY FIELD AREA, CRANE FACILITY	LAT 31.52, LONG -102.45 LAT 31.42, LONG -102.33	PSH IN GW CRUDE OIL IN GW	0 0	5 5	E,Q,V,2 E,Q,V,2

TABLE 2  
GROUNDWATER CONTAMINATION CASE DESCRIPTION BY COUNTY  
RAILROAD COMMISSION OF TEXAS

COUNTY	DIVISION	NEW CASES	FILE NAME	FILE NUMBER	LOCATION	CONTAMINATION DESCRIPTION	ENFORCEMENT STATUS	DATA QUALITY	
YOAKUM	OIL & GAS		OCCIDENTAL PERMIAN, LTD	OCP#3427	WASSON GAS PLANT	LAT 33.04, LONG -102.84	0	4	E,Q,V,2
			OCCIDENTAL PERMIAN, LTD	OCP#4976	EDDIE BARNETT COMPLAINT	LAT 33.17, LONG -102.7	1C	1	E,Q,V,2
			OCCIDENTAL PERMIAN, LTD/SLUGWD COMPLAINT	COMP#4087	DENVER CITY SANDY LAND AREA	LAT 32.96, LONG -102.84	1C	5	E,Q,V,2
			RAY MARION COMPLAINT	OCP#1131	WASSON FIELD, DENVER CITY AREA	LAT 33.01, LONG -102.96	1C	5	E,Q,V,2
			SHELL DENVER CITY PLANT	COMP#139	WASSON FIELD, 3 MI N OF DENVER CITY		0	4	E,Q,V,2

**SUMMARY**

TOTAL NUMBER OF GROUNDWATER CONTAMINATION CASES		% OF RRC TOTAL	% OF REPORT TOTAL
OIL AND GAS DIVISION-----	532	100%	14.9%
SURFACE MINING DIVISION-----	0	0	0
TOTAL NUMBER OF GROUNDWATER CASES REGULATED BY THE RRC-----	532	100.0%	14.9%
TOTAL NUMBER OF NEW CASES REGULATED BY THE RRC-----	72	13.5%	2.0%
TOTAL NUMBER OF COUNTIES WITH GROUNDWATER CONTAMINATION CASES REGULATED BY THE RRC-----	125		

TABLE 2  
GROUNDWATER CONTAMINATION CASE DESCRIPTION BY COUNTY  
RAILROAD COMMISSION OF TEXAS

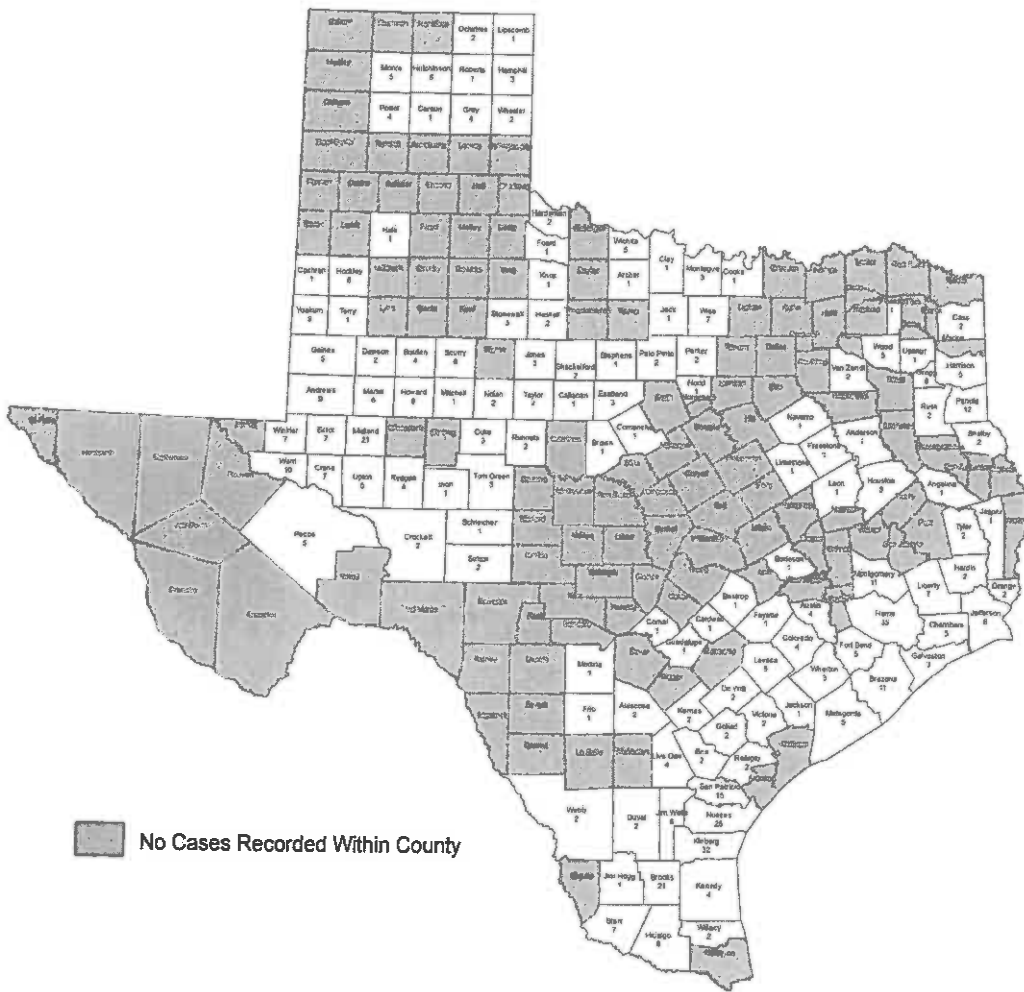
Figure 13. RRC Enforcement Status Summary

State oilfield cleanup funds and/or federal funds expended.	FORMAL ACTION	E N F O R C E M E N T  S T A T U S	5	1 5/1		3 5/3	3 5/4	7 5/5	
Judiciary court or attorney general referral.	FORMAL ACTION		4				1 4/4		
Legal enforcement action or show-cause hearing referral.	FORMAL ACTION		3	2 3/1	2 3/2A	1 3/3	2 3/4	2 3/5	
District Office initiated action.	STAFF ACTION		2	1 2/1	3 2/2A 3 2/2B	5 2/3	13 2/4	4 2/5	1 2/6C
D Referred to another agency.			1	1 1A/1 12 1C/1	1 1A/2A 3 1B/2A 3 1B/2B 3 1C/2A 9 1C/2B	2 1A/3 4 1B/3 13 1C/3 1 1D/3	7 1A/4 5 1B/4 22 1C/4 1 1D/4	4 1A/5 2 1B/5 14 1C/5 2 1D/5	1 1A/6A 3 1C/6A 1 1D/6C
A by routine inspection. B by review of data. C initiated by complaint. D referred by other agency.	DISCOVERY		0	16 0/1	2 0/2A 62 0/2B	53 0/3	117 0/4	97 0/5	9 0/6A 8 0/6C
Self reported by operator	DISCOVERY								

ACTIVITY STATUS					
Contamination Confirmed	Investigation	Corrective Action Planning	Action Implemented	Action Monitoring	Action Completed
Contamination confirmed but not fully investigated	A Violations and contamination due to current activities found. B No violations and historical contamination.	Corrective action pending review and approval.	Corrective action underway.	Corrective action periodically observed for effectiveness.	A Remediation completed. No further action or inspection required. B Source eliminated. No further action required. C No further action required/Institutional or engineering controls in effect.

Figure 14. RRC County Contamination Map



EXPLANATIONS OF FIELDS

COUNTY: THE COUNTY NAME IS THE FIRST ENTRY IN THE LEFT PORTION OF THE TABLE. IT IS LISTED ONLY ONCE FOR EACH OF THE CASES IN THAT COUNTY.

AGENCY: TCEQ - TEXAS COMMISSION ON ENVIRONMENTAL QUALITY, OR PREDECESSOR AGENCIES  
 RRC - RAILROAD COMMISSION OF TEXAS  
 TAGD - TEXAS ALLIANCE OF GROUNDWATER DISTRICTS

DIVISION: DIVISIONS ARE LISTED ONLY ONCE WITH THEIR RESPECTIVE CASES FOR EACH COUNTY.  
 ENF - ENFORCEMENT DIVISION, TCEQ  
 RO - REGIONAL OFFICES, TCEQ  
 RMD - RADIOACTIVE MATERIALS DIVISION, TCEQ  
 REM/CA - REMEDIATION DIVISION/CORRECTIVE ACTION SECTION, TCEQ  
 REM/DCRP - REMEDIATION DIVISION/ DRY CLEANERS PROGRAM, TCEQ  
 REM/PST - REMEDIATION DIVISION/ PETROLEUM STORAGE TANK PROGRAM, TCEQ  
 REM/SF - REMEDIATION DIVISION/ SUPERFUND PROGRAM, TCEQ  
 REM/SSDAP - REMEDIATION DIVISION/SUPERFUND SITE DISCOVERY AND ASSESSMENT, TCEQ  
 REM/VCI - REMEDIATION DIVISION/VOLUNTARY CLEANUP PROGRAM, TCEQ  
 REM/VCI0 - REMEDIATION DIVISION/VOLUNTARY CLEANUP/INNOCENT OWNER, TCEQ  
 REM/VCBSA - REMEDIATION DIVISION/VOLUNTARY CLEANUP/BROWNFIELDS SITE ASSESSMENT, TCEQ  
 WPD/MSW - WASTE PERMITS DIVISION/MUNICIPAL SOLID WASTE SECTION, TCEQ  
 WPD/IHW - WASTE PERMITS DIVISION/ INDUSTRIAL AND HAZARDOUS WASTE SECTION, TCEQ  
 WQD/AQAS - WATER QUALITY DIVISION /WATER QUALITY ASSESSMENT SECTION, TCEQ  
 WSD/PDW - WATER SUPPLY DIVISION /PUBLIC DRINKING WATER SECTION, TCEQ  
 WAD/GPAT - WATER AVAILABILITY DIVISION/ GROUNDWATER PLANNING AND ASSESSMENT TEAM, TCEQ  
 OIL & GAS - OIL AND GAS DIVISION, RRC  
 SLUWCD - SANDYLAND UNDERGROUND WATER CONSERVATION DISTRICT, MEMBER OF TAGD

SECTION: PROGRAM AREA WITHIN DIVISION OF AGENCY RESPONSIBLE FOR CASE, IF APPLICABLE

FILE NAME: FILE NAMES REFLECT RESPONSIBLE PARTIES OR GEOGRAPHIC LOCATION

FILE NUMBER: FILE NUMBERS ARE ASSIGNED ACCORDING TO THE RESPECTIVE DIVISION NUMBERING SYSTEM. FILE NUMBER IS USED TO LOCATE FILE IN TCEQ RECORDS.

LOCATION: LOCATIONS ARE GIVEN AS ADDRESSES OR GEOGRAPHIC LOCATIONS DESCRIPTIONS.

CONTAMINATION DESCRIPTION: AS- ARSENIC, CR - CHROMIUM, PB - LEAD, NO3 - NITRATE, SO4 - SULFATE, VOC - VOLATILE ORGANIC COMPOUNDS, ORG. - ORGANIC CHEMICALS, TOC - TOTAL ORGANIC COMPOUNDS, TDS- TOTAL DISSOLVED SOLIDS, TCE- TRICHLOROETHENE, MEK - METHYL ETHYL KEYTONE, CARBON TET - CARBON TETRACHLORIDE, PCP - POLYCHLORINATED PHENYLS, PCB - FLOYCHLORINATED BIPHENYLS, TPH - TOTAL PETROLEUM HYDROCARBONS, BTEX - BENZENE - TOLUENE-ETHYLBENZENE-XYLENE, MTBE - METHYL-TERTIARY-BUTYL-ETHER. THE MAJORITY OF CASES INVOLVE PETROLEUM CONTAMINATION.

YEAR: YEAR CASE WAS DROPPED FROM THE REPORT

ENFORCEMENT STATUS: THE FIRST ENTRY IN THIS FIELD INDICATES THE LEVEL OF AGENCY RESPONSE, THE SECOND INDICATES THE SITE ACTIVITY STATUS. SOME CASES DO NOT HAVE COMPLETE ENFORCEMENT STATUS CODES BECAUSE OF INSUFFICIENT DATA. STATUS CODES MAY BE BORDER-LINE BETWEEN TWO LEVELS ON THE ENFORCEMENT STATUS MATRIX AND ARE ENTERED AS A COMBINATION OF ENFORCEMENT STATUS CODES, I.E. 3A,B OR 4,5. SEE PAGES 33-40 FOR A DESCRIPTION OF THESE CODES.

TABLE 4 (APPENDIX 10)  
 HISTORIC GROUNDWATER CONTAMINATION CASE DESCRIPTION BY COUNTY  
 ALL AGENCIES, 1994-2012

COUNTY AGENCY	DIVISION	SECTION	FILE NAME	FILE NUMBER	LOCATION	CONTAMINATION DESCRIPTION	ENFORCEMENT STATUS	YEAR DELETED
CALDWELL	TCEQ	WPD	MSW	CITY OF SAN MARCOS: MW-103.	MSW00640	ON THE GARY JOBS CORPS TRAINING CTR., 1 MI. SE OF ST. HWY 21 AND 1.5 MI. SW OF FM 1985, SAN MARCOS, TX.	TCE AND VINYLCHLORIDE.	2B 6C 1995
		WSD	PDW	MARTINDALE WSC MARTINDALE WSC	G0280013B G0280013C	WELL 2- 300FT FROM RIVER WELL 3-NEW WELL	ATRAZINE ATRAZINE	2C 6C 2001 2C 6C 2001
CALHOUN	RRC	OIL & GAS	KOCH, VIRGINIA STREET STATION	OCF# 1500	PORT LAVACA	CRUDE OIL, BTEX, TPH	1C 6C 2010	
	TCEQ	REM	CA	FORMOSA PLASTICS CORP.	31945	NORTH OF SH 38 AND FM 1593 IN POINT COMFORT	ETHYLENE DICHLORIDE	3D 6C 1997
CAMERON	TCEQ	REM	VC/BSA	LOS FRESNOS BUSINESS INCUBATOR	G039	110/112/120 WEST OCEAN BOULEVARD D, LOS FRESNOS	LEAD	0 6D 2001
		VC	SOUTHERN PACIFIC RAILYARD - AOC NO. 2	1274	EAST 6TH, TYLER, EAST 7TH AND HARRISON, BROWNSVILLE	LEAD	6C	
CASTRO	TCEQ	WSD	PDW	DIMMITT MUNICIPAL WATER SYSTEM	G0350001K	S-2/3 OF CITY	ATRAZINE, TRIAZINES	6C 2000
				DIMMITT MUNICIPAL WATER SYSTEM	G0350001P	N-3/3 OF CITY	ATRAZINE, TRIAZINES	6C 2000
				DIMMITT MUNICIPAL WATER SYSTEM	G0350001L	S-3/3 OF CITY	ATRAZINE, TRIAZINES	6C 2000
				DIMMITT MUNICIPAL WATER SYSTEM	G0350001P	N-3/3 OF CITY	ATRAZINE, TRIAZINES	Z 6C 1999
				DIMMITT MUNICIPAL WATER SYSTEM	G0350001I	9-3RD & SO ST	ATRAZINE, TRIAZINES	6C 2000
				DIMMITT MUNICIPAL WATER SYSTEM	350001	S-4/8 OF CITY	ATRAZINE, TRIAZINES	6C 1999
DIMMITT MUNICIPAL WATER SYSTEM	G0350001M	3 - 7TH / AVE E	ATRAZINE, TRIAZINES	6C 2000				
HART MUNICIPAL WATER SYST	G0350002C		BENZENE	2C 6C 2012				
COCHRAN	RRC	OIL & GAS	8A	DUB ETHEREDGE COMPLAINT JAY ADAMS COMPLAINT (EXXONMOBIL) LARRY BESEDA COMPLAINT	BA-4484 8A-0840	LEHMAN AREA, LEVELLAND FIELD NORTH LEVELLAND UNIT 3 MILES WEST OF WHIFFFACE	WATER WELL SALTY CHLORIDES CL	1C 6C 2005 1C 6C 2003 2 6C 1994
	TCEQ	WSD	PDW	MORTON PUBLIC WATER SUPPLY MORTON PUBLIC WATER SUPPLY MORTON PUBLIC WATER SUPPLY	400001 G040001A 400001	1- 1ST/JEFFERS ON WELL 1 (G040001A) - SE OF JEFFERSON AVE. AND 1ST ST.	BENZENE BENZENE BENZENE	6E 1999 0E 2000 2C 6E 1998
COKE	RRC	OIL & GAS	7C	ORIX ENERGY CORPORATI ON		JAMESON FIELD	CHLORIDES	1A 6C 2002
	TCEQ	WSD	PDW	WEST TEXAS UTILITIES OAK CREEK PLA	G041003A	1-200FT NE OF PLANT	PROMETON, BROMACIL	3C 6C 2001
COLLIN	TCEQ	REM	DCRP	TOWN AND COUNTRY CLEANERS - PLANO	DC0189	2070 W. SPRING PARKWAY, STE 346	CHLORINATED SOLVENTS	2B, 5B 6C 2012
				CUFF AND COLLAR CLEANERS	DC0156	1403 JUPITER ROAD	CHLORINATED SOLVENTS	0B, 2B 6C 2011
				FMR USA CLEANERS - PLANO	DC0120	2912 LEGACY DRIVE	CHLORINATED SOLVENTS	5B, 2B 6C 2009
				FMR? USA CLEANERS - PLANO	DC0180	2912 LEGACY DRIVE	CHLORINATED SOLVENTS	5B, 2B 6C 2010
				SUMMERSIDE CLEANERS	DC0101	17475 PRESTON ROAD, DALLAS	CHLORINATED SOLVENTS	2B, 5B 6C 2011
				VILLAGE CREEK SHOPPING CENTER FORMER PLANO CLEANER	DC0059	6150 INDEPENDENCE PARKWAY, PLANO	CHLORINATED SOLVENTS	2B 6C 2009
SF	FMR? USA CLEANERS - PLANO	DC0120	2912 LEGACY DRIVE	CHLORINATED SOLVENTS	5B, 2B 6C 2008			
VC	BERKELEY SQUARE SHOPPING CENTER	3999	4621 WEST PARK BOULEVARD	CHLORINATED SOLVENTS	0 6C 2001			
BERKELEY SQUARE SHOPPING CENTER	537	4621 WEST PARK BOULEVARD, PLANO	CHLORINATED SOLVENTS	0 6C 2001				

TABLE 4 (APPENDIX 10)  
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 ALL AGENCIES, 1994-2012

COUNTY AGENCY	DIVISION	SECTION	FILE NAME	FILE NUMBER	LOCATION	CONTAMINATION DESCRIPTION	ENFORCEMENT STATUS	YEAR DELETED							
COLLIN	TCEQ	REM VC	PARK FAVILLION SHOPPING CENTER	778	2001 COIT ROAD, PLANO	VOCS	6D	2004							
			PARKWOOD SQUARE SHOPPING CENTER	918	300 CUSTER ROAD, PLANO	CHLORINATED SOLVENTS	0	6C	2002						
			PITTMAN CORNERS	916	8WC 15TH AND CUSTER ROAD, PLANO	CHLORINATED SOLVENTS	0	6C	2001						
			SEC FM 720 AND PRESTON ROAD (FRISCO)	660	SEC FM 720 & PRESTON ROAD, FRISCO	TPH, BTEX	0	6C	2000						
			SECURITY STORAGE	501	1919 WEST 15TH STREET, PLANO	TPH	0	6C	2000						
COLLIN	WPD	MSW	VACANT TRACT OF LAND/ARAP AHO AND QUORUM	204	8WC ARAPAHOE AND QUORUM, ADDISON	TPH, PETROLEUM HYDROCARBONS	6C								
			121 REGIONAL DISPOSAL LANDFILL	MSW02294	CITY OF ANNA IS N CITY OF	MW-4; NICKEL, ZINC	2B	6C	2010						
			CITY OF WYLIE: MW- 12 AND 13	MSW00712	0.5 MI. SE OF ST. HWY 98 & FM 2514 INTERSECTION, WYLIE, TX.	VOCS (TOLUENE)	2A	6C	1998						
COLORADO	RRC	OIL & GAS 3	LESLIE HEINSOHN COMPLAINT	03-5007	8 MILES NW OF COLUMBUS	SODIUM CHLORIDE	1C	6C							
COMAL	TCEQ	WAD	GPAT	USGS FREON PLUME STUDY	5 WELLS (68-23-801, 68-23-805, 68-23-304, 68-30-215, & 68-30-312) AND 2 SPRINGS (68-16-901 & 68-23-304) IN COMAL COUNTY	CCL3F (FREON)	6C	2006							
COMANCHE	RRC	OIL & GAS 7B	UNIDENTIFIED	7B-7401	5 MILES NORTHWEST OF DUSTER	BENZENE IN GW WELL	6C	2003							
			TCEQ	WAD	GPAT	TDA PESTICIDE SURVEY	4105505	WELL NO. 41-05-505 (SAMPLE 1171-91-003) "COMANCHE 31"	2D	6C	2006				
						TDA PESTICIDE SURVEY	4105508	WELL NO. 41-05-508 (SAMPLE REP 2) "COMANCHE 3"	2A,5-T	2D	6C	2006			
COOKE	RRC	OIL & GAS 9	CREED COMPLAINT	OCP# 1675	4 MILES NW OF MUENSTER, COOKE COUNTY	NACL	5	6C	2005						
			TCEQ	REM VC	GAINESVILLE MUNICIPAL AIRPORT - 2	758	2300 BONNAVILL A, ROUTE 2, BOX 3416, GAINESVILLE	TPH	0	6C	1999				
					WPD	MSW	CITY OF GAINESVILLE E: MW-8A AND MW-9.	MSW00302	ON FM 902, 2.5 MI. E OF FM 372, GAINESVILLE, TX.	TDS, CL, VOCS.	2A	6C	1996		
			MSW00302	N OF FM 902 2.5 MILE E OF FM 902 AND FM 372 INTERSECTION IN COOKE COUNTY					6C	2006					
CORVELL	TCEQ	WPD	MSW	FORT HOOD LANDFILL	MSW01866	INTERSECTION OF TURKEY RU WEST ON HWY 190, WEST FORT HOOD EXIT, RIGHT ON CLARK RD. LANDFILL IS LOCATED AT DEAD END OF CLARK RD	MW-8: 1,1-DICHLOROETHANE	2B	6C	2010					
CRANE	RRC	OIL & GAS 8	SHELL PIPELINE COMPANY EDWARDS RANCH WATER FIELD	OCP#1052	PENWELL PUMP STATION, 15 MI S OF PENWELL	CRUDE	0	6C	2011						
CROCKETT	RRC	OIL & GAS	DUKE ENERGY (FORMERLY UPRC) BELVAN GAS PLANT - MONITORING WELL EMERALD UNDERGROUND WATER DIST. KOCH MIDSTREAM SERVICES (SID RICHARDSON)	OCP#1203	OZONA GAS PLANT, 1 MI S OF OZONA	HYDROCARBONS	0	6C	2011						
										7C-1755	20 MILES NW OF OZONA	OIL	1C	6C	1995
										7C-1961	25 MILES WEST OF OZONA	CRUDE OIL	1C	6C	2000
				OCP# 1474	6 MILES SOUTH OF MCCAMEY	BTEX	0	6C	2003						

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ALL AGENCIES, 1994-2012

COUNTY AGENCY	DIVISION	SECTION	FILE NAME	FILE NUMBER	LOCATION	CONTAMINATION DESCRIPTION	ENFORCEMENT STATUS	YEAR DELETED		
DEAF SMITH	TCEQ	WAD	GPAT	COOP TNRCC/TWDB	1004202	WELL NO. 10-04-202 (SAMPLE NO. D8711013) [1004202][W.H. JONES]	ATRAZINE	1B	6C	2006
			COOP TNRCC/TWDB	1006302	WELL NO. 10-06-302 (SAMPLE NO. D8711011) [1006302][HAROLD DILLEHAY]	ATRAZINE	1B	6C	2006	
	WSD	PDW	DEAF SMITH COUNTY FWSD & HEREFORD MUNICIPAL WATER SUPPLY	G0590002A G0590001AN	1 & 2 BLOCKS E OF GRD STU 37- VETERANS PARK	ATRAZINE 1,2- DICHLOROETHANE, ATRAZINE, BTEX, BUTANE, CYCLOHEXANE, METHYL CYCLOPENTANE, METHYL PENTANES	2D	6C	6C	2002 2000
			HEREFORD MUNICIPAL WATER SUPPLY	590001		1,2- DICHLOROETHANE, ATRAZINE, BTEX, BUTANE, CYCLOHEXANE, METHYL CYCLOPENTANE, METHYL PENTANES	6E		1999	
			HEREFORD MUNICIPAL WATER SUPPLY	G0590001AR	41- CAUSEY & AUSTIN	1,2- DICHLOROETHANE, ATRAZINE, BTEX, BUTANE, CYCLOHEXANE, METHYL CYCLOPENTANE, METHYL PENTANES	6C		2000	
			HEREFORD MUNICIPAL WATER SUPPLY	590001	WELL 3 (G0590001B) - SE OF MCKINLEY AVE. AND NEW YORK AVE.	BTEX, 1,2- DICHLOROETHANE, METHYL CYCLOHEXANE, METHYL PENTANES, BUTANE, METHYL CYCLOPENTANE ET.AL.	2D	6E	1998	
DENTON	TCEQ	REM	CA	GNB TECHNOLOGIES INC	30516	7471 S 5TH ST FRISCO 75034	LEAD, CADMIUM, PH	3A	6E	2002
			FST	FORMER COTTAGE CLEANERS	DC00067	2636 FRANKFORD ROAD, DALLAS	CHLORINATED SOLVENTS	2B, 5B	6C	2009
			VC/BSA	FREEDOM OIL PROPERTY	G0045	NWC HENRIETTA CREEK RD AND HIGHWAY 377, ROANOKE	TPH, PCBs		6C	
			VC/HOP	WILLOW RIDGE APARTMENTS	112	797 SOUTH OLD ORCHARD, LEWISVILLE	CHLORINATED SOLVENTS, MTBE	6E	6C	2004
			VC	HENRIETTA CREEK ROAD SITE	519	5800-5900 BLOCK OF HENRIETTA CREEK ROAD, ROANOKE	VOCS	6E	6C	2001
		WPD	MSW	SACK N BAVE	473	1300 IH 35R @ AVENUE C, DENTON	TPH, BTEX, METALS	0	6C	2002
				TEXAS NEW MEXICO POWER COMPANY	668	792 EAST MAIN STREET, LEWISVILLE	TPH, VOCS, SVOCs, PHENOLS	0	6C	2004
				THE DENTON- RECORD CHRONICLE	1286	314 EAST HICKORY STREET, DENTON	VOCS, SVOCs, CHLORINATED SOLVENTS	0	6C	2001
				VALLEY SQUARE SHOPPING CENTER	803	724 WEST MAIN STREET, LEWISVILLE	CHLORINATED SOLVENTS		6C	
				CAMELOT LANDFILL (CITY OF FARMERS BRANCH)	MSW01312A	0.8 MI S OF SH 121, N OF ELM FORK TRINITY RIVER, 1.5 MI W OF FM 2281, HEBRON	MW-00: VOCS (CIS- 1,2- DICHLOROETHYLENE; TRICHLOROETHYLENE; VINYL CHLORIDE)	2A	6C	1999
DEWITT	OIL & GAS	2	PG & E GAS TRANSMISSION	OCP# 1612	ARMSTRONG GAS PLANT	HYDROCARBONS	0	6C	2002	
EASTLAND	RRC	OIL & GAS	BP RANGER STATION	OCP# 2198	LAT 32.4375 LONG -98.7125 (COUNTY ROAD 466)	HYDROCARBONS	0	6C	2009	
		OIL & GAS	SCURLOCK PERMIAN	7B-4494	1.5 MILES NORTHWEST OF GORMAN	CRUDE OIL	2	6C	1998	
		OIL & GAS	UNIDENTIFIED	7B-7595	1 MILE EAST OF NIMROD	CRUDE OIL	1C	6C	1996	
		OIL & GAS	UNIDENTIFIED/PIONEER CITY	7B-4986	DOMESTIC WELLS IN/AROUND CITY OF PIONEER	SW IN WATER WELL	2	6C	2004	
		OIL & GAS	UNIDENTIFIED/PIONEER CITY	7B-4986	DOMESTIC WELLS IN/AROUND CITY OF PIONEER	NACL	5	6C	2005	
TCEQ	WSD	PDW	CITY OF RISING STAR	G0670005?	? OF 9 WELLS	PROMETON	2C	6C	2001	
			RISING STAR ISD	G0670029A	1-HIGH SCHOOL	PROMETON	2C	6C	2001	



**Attachment C – Water Loss Information**

**(from Region C 2014 Water Loss Thresholds)**

Region C 2014 Water Loss Thresholds - NTGCD - Collin, Cooke and Denton Counties

Entity	Region	Year of Audit	Population Size	Retail Connections Served	Service Connection Density (#/mile)	Average Yearly Operating Pressure (pounds per square inch)	Infrastructure Leakage Index ( )	Customer Meter Accuracy %	Data Handling Discrepancy Loss (gal per conn per day)	Unsubscribed Connections (gallons per connection per day)	Apparent Loss per Connection (gallons per connection per day)	Real Loss per Mile (gallons per mile per day)	Percent total water loss (for comparison purposes only)
Atloga WSC	C	2010	500	218	8	55	n/a	95.0	0.6	0.6	11	n/a	15.9
Argyle WSC	C	2010	2,028	2,028	8	70	n/a	99.0	0.0	1.7	7	n/a	14.4
Black Rock WSC	C	2013	1,300	487	7	53	n/a	100.0	0.0	0.8	1	n/a	8.0
City of Allen	C	2013	90,052	33,545	76	70	1.7	99.0	0.0	1.0	5	27	7.8
City of Anna	C	2011	8,615	3,211	16	60	3.2	98.0	0.0	1.0	6	n/a	25.0
City of Carrollton	C	2010	1,812	604	5	65	n/a	95.0	0.0	0.5	9	99	13.9
City of Carrollton	C	2013	122,280	48,802	86	79	0.8	99.0	0.0	1.0	5	14	4.8
City of Celina	C	2012	6,028	2,360	56	79	n/a	98.0	0.0	1.1	8	47	13.1
City of Corinth	C	2013	20,000	7,657	69	65	0.8	99.0	0.0	0.9	5	12	4.4
City of Denton	C	2013	116,098	35,152	61	76	2.1	95.7	0.0	1.3	22	38	11.4
City of Frisco	C	2013	137,330	50,311	61	75	2.4	100.0	0.0	1.2	1	42	9.1
City of Gainesville	C	2013	16,200	8,444	47	63	1.4	100.0	0.0	0.6	1	24	9.6
City of Highland Village	C	2013	17,000	5,497	54	70	1.6	100.0	0.0	0.0	0	28	5.3
City of Krum	C	2010	3,800	1,483	59	52	n/a	98.0	0.0	0.8	4	27	10.1
City of Lewisville	C	2013	97,140	41,355	109	55	1.7	99.0	0.0	0.2	3	19	6.6
City of Lindsey	C	2010	1,012	432	36	64	n/a	96.0	0.0	0.7	11	3	5.4
City of Lucas	C	2010	5,564	1,890	34	60	n/a	99.0	1.4	1.7	9	108	17.6
City of McKinney	C	2013	144,100	47,404	55	65	2.1	93.0	0.0	1.4	36	34	13.0
City of Melissa	C	2013	7,290	2,243	45	65	n/a	96.0	0.0	1.0	14	46	15.7
City of Mansuet	C	2010	1,556	773	45	79	n/a	97.0	0.0	0.7	9	5	4.9
City of Murphy	C	2013	18,960	5,954	63	60	4.9	99.0	0.0	1.3	6	70	14.1
City of Pilot Point	C	2010	5,200	1,833	73	60	n/a	98.0	0.0	0.7	5	26	11.2
City of Plano	C	2013	266,600	82,085	59	70	4.1	99.2	0.0	1.6	6	69	11.7
City of Richardson	C	2013	100,850	33,891	59	50	4.8	99.0	0.0	1.6	7	58	10.2
City of Sachse	C	2013	21,596	7,826	67	65	4.6	99.0	0.0	1.0	4	69	19.1
City of The Colony	C	2013	40,028	12,030	61	50	5.0	96.0	0.0	1.0	14	60	19.2
City of Wylie	C	2013	39,279	13,093	87	65	0.9	98.0	0.0	0.8	7	12	5.8
Country Ridge Water (Malissa)	C	2013	536	208	43	65	n/a	96.0	0.0	1.5	25	12	6.0
Culleoka WSC	C	2010	6,250	2,086	22	70	n/a	99.0	0.0	0.6	3	n/a	11.6
Denton County FWSD 1-A Castle Hills	C	2012	9,426	2,998	54	79	n/a	98.0	0.0	0.0	11	50	9.8
Denton County FWSD 7 Lambana	C	2013	9,204	2,832	69	90	n/a	98.0	0.0	1.3	11	4	3.0
Denton Estates Mobile Home Park	C	2013	123	45	36	45	n/a	100.0	0.0	0.6	1	21	9.2
Desert WSC	C	2010	1,722	574	9	60	n/a	95.0	0.0	0.6	10	n/a	19.1

Entity	Region	Year of Audit	Population Served	Retired Connections Served	Service Connection Density (ft/mile)	Average Yearly Operating Pressure (pounds per square inch)	Infrastructure Leakage Index	Customer Meter Accuracy %	Debit Handling Discrepancy Loss (gal per conn per day)	Un-authorized Consump. (gallons per connection per day)	Apparent Loss per Connection (gallons per connection per day)	Real Loss per Connection (gallons per connection per day)	Real Loss per Mile (gallons per mile per day)	Percent total water loss (for comparison purposes only)
Double Rock Estates (Ponder)	C	2010	105	35	35	50	n/a	100.0	0.0	0.3	0	19	n/a	14.6
East Fork SUD (Wyle)	C	2010	9,096	3,032	43	48	1.6	98.0	0.0	0.8	7	21	n/a	8.6
Era WSC	C	2010	420	140	28	60	n/a	95.0	0.0	0.6	11	n/a	716	15.4
Forest Hill Two WSC	C	2010	116	36	36	60	n/a	95.0	0.0	0.0	23	9	n/a	6.8
Harbor Grove WSC	C	2010	420	140	35	35	n/a	98.0	0.0	0.5	4	12	n/a	8.8
Klona Homeowners WSC	C	2013	1,970	1,254	54	61	n/a	100.0	0.0	0.0	0	0	n/a	0.1
Knob Hill Water System	C	2010	180	74	19	40	n/a	98.0	0.0	0.6	5	n/a	107	4.7
Loughorn Meadows Addition	C	2010	591	197	25	61	n/a	100.0	0.0	0.5	1	n/a	38	1.0
Manatee SUD	C	2010	5,001	1,665	7	55	n/a	98.0	0.0	0.8	6	n/a	256	13.2
Meadow Ranch Water System (Ponder)	C	2010	36	12	12	50	n/a	100.0	0.0	0.5	0	n/a	95	4.3
Milligan WSC (McKinney)	C	2010	3,285	1,095	30	65	n/a	98.0	0.0	0.7	6	n/a	97	3.4
Mountain Springs WSC	C	2010	2,802	934	2	75	n/a	98.0	0.0	0.8	6	n/a	62	10.7
Mustang SUD	C	2013	15,130	4,323	24	65	0.2	98.0	0.1	0.8	7	5	n/a	3.8
North Farmersville WSC	C	2010	670	224	15	65	n/a	92.0	0.0	0.8	25	n/a	291	13.6
Oak Bend Homeowners WS Denton	C	2010	70	30	30	55	n/a	100.0	0.0	0.2	0	n/a	17	0.2
Pilot Point Rural Water Supply	C	2010	28	28	28	46	n/a	100.0	0.0	0.6	1	n/a	32	0.8
Stonebridge WSC (Argyle)	C	2010	45	15	15	42	n/a	100.0	0.0	0.4	0	n/a	5	0.2
Terraced Acres WSC (Sanger)	C	2010	75	25	25	55	n/a	100.0	0.0	0.8	1	n/a	1804	22.1
Town of Flower Mound	C	2013	67,615	21,359	53	75	2.1	99.0	0.0	1.5	7	40	n/a	7.6
Town of Little Elm East	C	2013	28,704	9,568	80	65	0.9	98.0	0.0	0.8	7	12	n/a	5.9
Town of Little Elm West	C	2013	720	240	28	57	n/a	98.5	0.0	0.8	5	n/a	535	7.9
Town of Northlake	C	2010	1,550	400	33	50	n/a	99.0	0.0	1.7	9	3	n/a	1.6
Town of Ponder	C	2010	2,400	800	20	55	n/a	95.0	0.3	0.8	15	n/a	23	5.2
Town of Prosper	C	2010	9,350	3,127	50	80	2.1	99.0	0.0	1.5	7	43	n/a	8.3
Town of Westlake	C	2010	847	478	32	100	n/a	100.0	0.0	4.6	5	127	n/a	7.1
Trophy Club MUD 1	C	2013	8,440	3,014	50	55	n/a	99.0	0.0	2.2	10	61	n/a	8.2
Verona SUD (Blue Ridge)	C	2010	2,745	915	12	65	n/a	96.0	0.0	0.6	9	n/a	516	20.0
Weston WSC	C	2010	693	231	15	60	n/a	96.0	0.0	0.8	10	n/a	1179	27.2
Woodbine WSC	C	2010	5,619	1,870	5	75	n/a	98.0	0.0	0.7	6	n/a	74	7.5
Wyle Northeast SUD	C	2013	4,918	1,306	50	68	n/a	97.0	0.0	0.8	10	17	n/a	8.1