

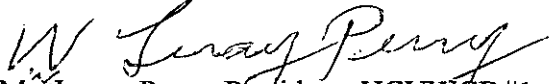
Mr. Craig Pedersen
Executive Administrator
Texas Water Development Board
1700 N. Congress Ave.
Austin, Tx 78711-3231

Mr. Leroy Perry, President
Hudspeth County Underground Water Conservation District #1
P.O. Box 212
Dell City, Tx. 79837

Dear Mr. Pedersen,

Attached is a copy of our water management plan for senate bill #1. Our plan was adopted by the board of directors on August 27, 1998. We have had and we look forward to a long working relationship with the Texas Water Development Board and we are indeed grateful for all the help provided by your staff, especially Mrs. Lima Petrossian. Please contact Mr. John D. Meetze, our Vice President at P.O. Box 596, Dell City, Texas 79837, (915-964-2322) for further correspondence on our water management plan.

Sincerely Yours,



Mr. Leroy Perry, President, HCUWCD#1
cc: Mr. John D. Meetze

Hudspeth County Underground Water District #1
Water Management Plan

Introduction:

This water management plan is being written to fulfill the requirements of Senate Bill 1. This water management plan will not supersede any of the by-laws of the Hudspeth Underground Water District #1. Our source of technical reference for this plan is report 344 written by the Texas Water Development Board. A copy of our by-laws and a copy of report 344 are attached to this plan and is an integral part of this management plan.

District Mission:

The Hudspeth County Underground Water Conservation District #1 (HCUWCD#1) will conserve the water within its boundaries for the use of the citizens and land within its boundaries.

Time Period For This Plan:

This plan becomes effective upon certification by the Texas Water Development Board and approval by the district board of directors and remains in effect until September 1, 2008.

Statement of Guiding Principles:

The underground water resources of the district are of vital importance to the citizens within the district. The district will conserve the water of the district through management, regulation, and permitting. This management plan will serve as a guiding document for the district.

General Description:

The district was created by the citizens of Dell Valley in 1956. The current Board of Directors are Leroy Perry, President; John Meetze, Vice-president; J.W. Neuhaus, Secretary-Treasurer; Randy Barker, Member; and Gene Lutrick, Member. Board members are elected for two year terms.

The main economic activity is agriculture. There are approximately 35,000 acres currently being irrigated. Dell Valley is situated approximately 90 miles east of El Paso in Hudspeth County. It consists of approximately 50,000 acres of cropland, and approximately 500,000 acres of rangeland. The city of Dell City lies approximately in the center of the district.

Groundwater Resources and Supplies

Groundwater is supplied by the Bone Spring - Victorio Peak Aquifer. This Aquifer has an estimated annual recharge of approximately of 90,000 to 100,000 acre ft. which includes lateral inflow and irrigation return flow. Part of the recharge is believed to come from the

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Sacramento river in New Mexico and from precipitation that can enter the groundwater through Karst features (p. 13, TWDB report 344).

Surface Water Resources

The district has four PL566 watershed structures that were built by the Soil Conservation Service in the late 1980's and early 1990's. These structures were built with groundwater recharge capabilities. The principal spillways are connected by pipeline to injection wells to the groundwater table. There is no known data to estimate the increase in natural or artificial recharge by these methods

Groundwater Use

Groundwater is used primarily for irrigation. The community of Dell City also gets its water supplies from a city owned well. Groundwater is not to be used outside of the district except for very limited uses as dictated in our by-laws. Based on TWDB report 344 the annual usage from 1984 to 1994 varied from approximately 100,000 acre feet per year to 90,000 acre feet per year(pp 13,14, TWDB report 344).

Potential Demand And Supply Issues And Solutions

The annual recharge is approximately 90,000 acre ft per year. The amount of irrigated acreage in 1995 was approximately 30,000 acres. Currently the board estimates that there are approximately 35,000 irrigated acres. Approximately 10,000 acres are being irrigated with center pivot systems and the trend to irrigate with center pivot systems is expected to continue. Center pivot systems are much more efficient than the old gravity flow systems. Laser leveling has also improved the efficiency of the gravity flow systems. The trend toward more efficient irrigation systems is expected to continue.

The current and the projected water supply of the district is equal to the effective annual recharge which is approximately 90,000 - 100,000 acre feet. The projected water demand within the district is equal to the effective annual recharge. The watertable has remained relatively stable for the last 10 years. When Dell Valley was in full irrigation in the early 1980's the watertable was declining at about 1.3 ft per year. The recharge of the watertable is dependent on precipitation and irrigation return flow. The district board of directors estimates that the increase in irrigated acreage is offset by the increase in irrigation efficiency and at current trends the watertable is projected to remain fairly stable for the next 10 years. This means that current usage and recharge are in basic equilibrium at 90,000 to 100,000 acre ft. per year (pp. 9,13,14, TWDB report 344).

Management Of Groundwater Supplies

The district will manage the supply of groundwater within the district in order to conserve the resource while seeking to maintain the economic viability of the users within the

Hudspeth County Underground Water District #1
Water Management Plan

district. In consideration of the economic and cultural activities occurring within the district, the district will identify and engage in such practices , that if implemented would result in more efficient use of groundwater. An on-going TWDB and USGS observation network will be monitored by the district in order to gain additional information regarding changing storage conditions of groundwater supplies within the district. The district will work cooperatively with investigations of the groundwater by the TWDB and the USGS, and will make the results of such investigations available to the public once adopted by the district board.

The district will employ all technical resources at its disposal to evaluate the groundwater resources within the district and to determine the effectiveness of conservation measures.

Actions, Procedures, Performance, and Avoidance for Plan Implementation

The district will implement and utilize the provisions of this plan as a guidepost for determining the direction of district activities. All operations of the district, all agreements entered into by the district and any additional planning activities in which the district may participate will be consistent with this plan and with the district By-Laws.

The District will treat all citizens fairly.

The district will seek cooperation in the implementation of this plan and the management go groundwater resources within the district. All activities of the district will be undertaken in cooperation and coordination with the appropriate state, regional, and local water management entities.

The Methodology The District Will Use To Track Progress On An Annual Basis In
Achieving Management Goals.

The district president will prepare an annual report on plan performance for the board of directors approval by the first quarter of the calendar year. The report will include the following goals, objectives , and performance standards including the number of instances each activity occurred. The board will then evaluate the effectiveness of the plan and make any adjustments that may be necessary. A copy of the report will be sent to the Texas Water Development Board and a copy made available to the public.

Hudspeth County Underground Water District #1
Water Management Plan

GOALS, MANAGEMENT OBJECTIVES, AND PERFORMANCE STANDARDS

GOAL #1 Providing The Most Efficient Use Of Groundwater

Management Objective 1.1 Annually the district will check on the level of the water table by measuring all designated observation wells in order to verify water levels and identify any long term trends that may be developing.

Performance Standard:

A. The number of designated observation wells checked annually.

Management Objective 1.2 Each year the district will provide information to the general public about the status of the groundwater in the district.

Performance standard:

A: Annually prepare a report to be published in the Hudspeth County Herald about the static water table and any trends that may be developing.

Management Objective 1.3 Insure that all the By-Laws of the district are properly enforced.

Performance Standard:

The district will hold meetings at least quarterly to review all business that may come before the board to ensure that all business is compatible to district by-laws.

Goal #2 Controlling and preventing The Waste Of Groundwater.

Management Objective 2.1 The district will annually inform district water users on the efficient use of water with a published article in the local newspaper.

Performance Standards:

A. Annually prepare an article on irrigation water management to be published annually in the Hudspeth County Herald.

B. Annually prepare an article on efficient use of urban water.

Goal #3 Addressing Natural Resource Issues

Hudspeth County Underground Water District #1
Water Management Plan

Management item 3.1 Annually the district will work with the public on all requests for additional use of groundwater.

Performance Standards :

A: The number of permits issued annually for new well applications.

B: The number of applications for water to be used outside the district.

Management Objective 3.2: Annually ensure that all PL-566 watersheds and groundwater recharge projects are in proper working condition.

Performance Standard :

Annually inspect all PL-566 watershed projects along with their corresponding groundwater recharge wells for proper maintenance and function. All watershed sponsors and other appropriate agencies will be invited to be present at the inspection.

SB-1 Management Goals Determined Not-Applicable

Goal #4 The Control and Prevention of Subsidence.

There has not been a problem with subsidence due to the geological nature of the Aquifer and therefore this management item is not applicable.

GOAL #5 Addressing Conjunctive Surface Water Management Issues.

There is no conjunctive surface water in the district and therefore this management item is not applicable.

MINUTES OF REGULAR DIRECTORS MEETING
August 27, 1998

Meeting of the Hudspeth County Underground Water Conservation District #1 was called to order by President W. Leroy Perry at 7:25 p.m. with members W. Leroy Perry, Gene Lutrick, John Meetze and Randy Barker present and member J. W. Neuhaus absent.

Previous minutes were read and approved as read.

Upon a motion by Board Member Randy Barker and seconded by Board Member Gene Lutrick it was ordered that the following bills be paid:

Rio Grande Electric Co. - for 6 months - \$90.00

Shirley Richardson - July & August Salary - \$150.00

MOTION APPROVED

Board Member John Meetze presented the board and public with the Hudspeth County Underground Water Conservation District #1 Water Management Plan. The plan was read and explanations given. President W. Leroy Perry called upon the public for any comments. Hearing none upon a motion by Board Member Gene Lutrick and seconded by Board Member Randy Barker it was ordered to approve the Water Management Plan.

MOTION APPROVED

A letter from the Hudspeth Appraisal District was read to the board concerning this year's effective tax rates by the Appraisal District. Upon a motion by Board Member John Meetze and seconded by Board member Randy Barker it was ordered that the Hudspeth County Underground Water Conservation District #1 adopt the Hudspeth Appraisal District effective tax rate for this year.

MOTION APPROVED

Upon a motion by Board Member John Meetze and seconded by Board Member Gene Lutrick it was ordered to approve the 1997 Census of Governments.

MOTION APPROVED.

Upon a motion by Board Member Randy Barker and seconded by Board Member John Meetze it was ordered that the meeting adjourn. Meeting adjourned at 8:30 p.m.

MOTION APPROVED

PRESIDENT

SECRETARY

HUDSPETH COUNTY UNDERGROUND WATER
CONSERVATION DISTRICT #1
P. O. BOX 212
DELL CITY, TX 79837

NOTICE OF A MEETING

DATE - August 27, 1998
TIME - 7:00 p.m.
PLACE - Water District Office

A G E N D A

1. CALL TO ORDER
2. ESTABLISH QUORUM
3. READING OF PREVIOUS MINUTES
4. PAY BILLS
5. MANAGEMENT PLAN
6. APPRASIAL DISTRICT
7. OLD BUSINESS
8. NEW BUSINESS
9. ADJOURN

POSTED THIS DAY:
August 24, 1998
10:15 p.m.

Notice

Public Meeting on
Proposed Water Mgmt
Plan for Hudspeth
County Underground
Water District #1 at
District Water Office
at 7:00 PM

Thursday - 8-28-98

Posted 8-24-98 at 8:00 AM
at USPS
John Metzger V.P. real CA

Hudspeth County
Underground Water
Conservation Dist. #1

Meeting Notice

Date: August 27, 1998

Time: 7:00 p.m.

Place: Water Dist. Office

Agenda

1. Call to order
2. Reading Previous Minutes
3. Pay Bills
4. Water Management Plan
5. Adjourn

Posted this Day

August 24, 1998

10:15 A.M.

RESOLUTION

At a Board of Director's meeting of the Hudspeth County Underground Water Conservation District #1, held at 7:25 p.m. on the 27th day of August, 1998, the following resolution was approved:

Whereas, the Hudspeth County Underground Water Conservation District #1 has held the appropriate public hearings, and

Whereas, the District has followed the rules set forth by Senate Bill No. 1 and the Texas Water Development Board; and

Whereas, no public comment opposing the plan was presented.

It is resolved that the plan as prepared and presented by the Board is adopted.

ORDERED this 27th day of August 1998.

W. Leroy Perry

Leroy Perry, President
Hudspeth County Underground Water
Conservation District

Attest by: *John O. Meetez*
Title: *Vice President*

Juanta R. Collins
Notary Hudspeth Co. Tex.