

August 27, 1988

Texas Water Development Board
1700 North Congress Avenue
P.O. Box 13231
Austin, Texas 78711-3231

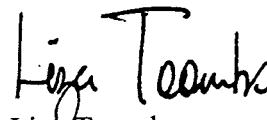
Attention: Mr. Randy Williams

Dear Mr. Williams:

Enclosed please find the Uvalde County Underground Water Conservation District's comprehensive Groundwater Development Plan, along with the Board resolution adopting same. I am also sending a copy of a letter from Con Mims of the Nueces River Authority and one I intend to send to him tomorrow.

Thank you for assisting the District in completing the plan on time. If you have any comments or questions please feel free to contact me at the District offices.

Sincerely,



Liza Toombs
Office Manager

Enclosures

UVALDE COUNTY
GROUNDWATER CONSERVATION DISTRICT

GROUNDWATER MANAGEMENT PLAN
1998-2008

Adopted August 27, 1998

DISTRICT MISSION

The Uvalde County Groundwater Conservation District strives to bring about conservation and the beneficial use without waste of the groundwater resources for the benefit of the citizens and the economy of Uvalde County.

TIME PERIOD FOR THIS PLAN

This plan becomes effective upon adoption by the Board of Directors and replaces the previously adopted management plan. This plan will be implemented and will remain in effect until September 1, 2008.

STATEMENT OF GUIDING PRINCIPLES

The District recognizes that the groundwater resources of this region are of vital importance to the residents and that this resource must be managed effectively. A basic understanding of the aquifers and their hydro geologic properties, as well as a quantifying of resources, is the foundation from which to build prudent planning measures. This management plan is intended as a tool to focus the programs and plans of the District.

ABOUT THE DISTRICT:

The District was created pursuant to Section 59, Article 16 of the Texas Constitution and was validated by the 73rd. Legislature under Article 2, Senate Bill 1477.

The District has the same boundaries as the County of Uvalde.

The Edwards Aquifer Authority has jurisdiction over the Edwards Aquifer in Uvalde County and the District has jurisdiction over the other water aquifers in Uvalde County.

GROUNDWATER RESOURCES OF THE DISTRICT:

The aquifers under the jurisdiction of the District include the Leona Gravels, Buda Limestone, Anachocha, Austin Chalk, Glenrose Formation and Various members of the Trinity. Of these Aquifers, the Leona Gravel and the Austin Chalk are the most significant and have yields conducive to production of water for irrigation. The other aquifers are used for domestic and livestock where Edwards Aquifer water is not available. This plan will focus on the Leona and Austin Chalk. Since the District has no jurisdiction, the following estimates and projections do not take into account any water residing in the Edwards aquifer.

The District estimates the normal use of irrigation water in Uvalde County is an average of two acre feet per irrigated acre. The USDA Natural Resources Conservation Service estimates that there are 15429 acres of land irrigated by water from the Leona and Austin Chalk formations. The estimated annual use of groundwater being used in the jurisdiction of the District is 30858 acre feet.

Based on the fact that water levels in the District are reasonably stable, the District estimates that

the average annual recharge is equal to the annual use which is 30858 acre feet.

The Edwards Aquifer Authority has applied for and intends to conduct rainfall enhancement programs over the area of the District. The High Plains Water District has determined their weather modification program has resulted in an increase of rainfall of about 8 percent. Based on this information, the District concludes that average rainfall over the area of the District should increase and result in an additional recharge of 2468 acre feet annually..

The estimated annual recharge plus the projected rainfall enhancement results in a total projected water supply of 33326 acre feet within the District jurisdiction.

The District expects no significant increase in irrigation acreage. The Edwards Aquifer Authority enabling legislation allows recharge credits to be obtained by adding recharge to the Edwards aquifer. Should this program be implemented, irrigation water that is now used for irrigation would be diverted to recharge to the Edwards aquifer and, the average use of 2 acre-feet per acre would increase to the the District's statutory limit by rule to 2.5 acre feet per acre. The total projected water use demand would be 38572 acre feet per year.

Based these estimates and projections, the District is expected to experience a shortage of available water of 5246 acre feet of water annually.

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 all resource user groups. In consideration of the economic and cultural activities occurring within the District, the District has developed rules which identify and monitor waste. The District will promote the installation and use of water saving practices and irrigation equipment. All on-going TWDB and USGS observation studies and data collected will be monitored in order to gain additional information regarding changing storage conditions of groundwater supplies within the District jurisdiction. The District will work cooperatively with investigation of the groundwater resources within the District and will make the results of investigations available to the public upon adoption by the Board.

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

The District has a Drought Plan in place and will review the plan for any needed changes annually.

Actions, Procedures, Performance and Avoidance for Plan Implementation:

The District will implement the provisions of this plan as a guidepost for determining the direction or priority for all District activities. All operations of the District, and all agreements entered into by the District and any additional planning efforts in which the District may participate will be consistent with the provisions of this plan.

The District shall treat all citizens with equality.

The District will seek cooperation in the implementation of this plan and the management of groundwater supplies 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 for achieving all management goals:

The District manager will prepare an annual report on District performance in achieving the management goals. The annual report will be presented to the Board of Directors during the first quarterly Board of Directors meeting each fiscal year, beginning January, 2001. The report will include the number of instances each objective activity was engaged in during the year, referenced to the expenditure of staff time and budget so that the effectiveness and efficiency of each activity may be evaluated. The annual report will be maintained on file at the District office and made available to the public upon adoption by the Board.

MANAGEMENT GOALS, OBJECTIVES and PERFORMANCE STANDARDS

Goal 1.0 To Control and Prevent the Waste of Groundwater:

Management Objective:

Each year the District provide education materials to the newspapers and to the general public on at least six occasions concerning waste which is prohibited under the District rules

Performance Standards:

- (a) The District will furnish at least six newspaper articles and/or public service announcements on an annual basis.
- (b) The District will investigate all reports of waste of groundwater within 2 working days.

Goal 2.0 Addressing Natural Resource Issues that Impact the Use and Availability of Groundwater and are Impacted by the Use of Groundwater:

Management Objective

Each year the District will work with all interested parties and appropriate agencies to develop additional information on aquifer recharge projects.

Performance Standards:

(a) Each year the District will require permits for all aquifer recharge or storage projects.

(b) The District will make all possible information on such projects available to the general public and to permit applicants annually.

Management Objective

Each year the District will require issuance of a well construction permit or preregistration of exempt wells, not requiring a construction permit, prior to the drilling all new wells.

Performance Standard

Each year all well construction permits in compliance with the District rules will be issued within 20 days. Well construction permits not in compliance will be considered at the next regular board meeting.

Goal 3.0 Providing for the Efficient use of Groundwater within the District

Management Objective

Each year the District will make available to the public educational brochures promoting and explaining conservation methods and concepts, on at least one occasion..

Performance Standard

The District will make educational material available at least 1 time per year through Service Organizations and on a continuing basis at the water District office.

Management Objective

Each year, the District will provide informative speakers to school and civic groups to raise public awareness of practices which insure the efficient use of groundwater.

Performance Standard

Each year, the District will make at least 2 public speaking appearances to promote the efficient use of groundwater per year.

SB 1 MANAGEMENT GOALS NOT APPLICABLE TO THE DISTRICT

Goal 4.0 The Control and Prevention of Subsidence

The geologic framework of the District Area precludes any significant subsidence from occurring. This management goal is not applicable to the operations of the District.

Goal 5.0 Addressing Conjunctive Surface Water Management Issues

The District has no jurisdiction over surface water. This management goal is not applicable to the operations of the District.