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TEXAS DOCUMENTS

TEXAS REGISTER

In This Issue...

Office of the Secretary of State

The *Texas Register* is currently in the process of converting to the numbering system found in the *Texas Administrative Code* (TAC). To aid the reader in this conversion, both the 10-digit *Register* number and the new TAC number will be listed for agencies whose rules have been published in the TAC. Emergency, proposed, and adopted rules sections of the *Register* are divided into two classifications: codified and noncodified. Codified rules appear in title number order. Noncodified rules appear in alphabetical order as they have in the past. An "Index of TAC Titles Affected" appears at the end of this issue.

Titles 1, 4, 7, 10, 13, 16, 22, 25, 31, 34, 37, and 43 only of the TAC have now been published. Documents classified in the *Texas Register* to titles not yet published and certain documents affecting titles of the code have been accepted in the non-TAC format and may be renumbered or revised, or both, when initially codified in the TAC.

Under the TAC scheme, each agency rule is designated by a TAC number. For example, in the citation 1 TAC §27.15:

1 is the title (agencies grouped together by subject title which are arranged alphabetically)
TAC is the *Texas Administrative Code*
§27.15 is the section number (27 represents the chapter number and 15 represents the individual rule within the chapter)

Latest Texas Code Reporter
(Master Transmittal Sheet): No. 4, Jan. 81

HOW TO CITE: Material published in the *Texas Register* is referenced by citing the volume in which a document appears, the words "TexReg," and the beginning page number on which that document was published. For example, a document published on page 2404 of Volume 4 is cited as follows: 4 TexReg 2404.

Cover illustration represents Elisabet Ney's statue of Stephen F. Austin, which stands in the foyer of the State Capitol.

TEXAS REGISTER

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George W. Strake, Jr.
Secretary of State

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Appointments

March 17, 1981

Governor's Flood Control Action Group

To be member and chairman for a term at the pleasure of the governor:

Donald R. VanSickle
P.O. Box 13089
Houston, Texas 77019

Mr. VanSickle will be replacing Carol E. Dinkins of Houston, Harris County, who resigned.

Texas Department of Labor and Standards

To be commissioner for a two-year term to expire February 1, 1983:

Lias Brown (Bubba) Steen
214 West Reuss
Cuero, Texas 77954

Mr. Steen is being reappointed.

Issued in Austin, Texas, on March 17, 1981.

Doc. No. 811940 William P. Clements, Jr.
Governor of Texas

For further information, please call (512) 475-3021.

March 18, 1981

Texas Board of Health

To be a member for a six-year term to expire February 1, 1987:

Dr. Joaquin Gonzalez Cigarroa, Jr.
2321 Musser
Laredo, Texas 78040

Mr. Cigarro of Laredo, Webb County, is replacing Dr. Ramiro R. Casso of McAllen, Hidalgo County (representing physicians), whose term expired.

Texas Industrial Commission

To be a member for a six-year term to expire February 15, 1987:

Hector Gutierrez, Jr.
829 Harwood Terrace
Bedford, Texas 76021

Mr. Gutierrez of Bedford, Tarrant County, is being reappointed.

Nueces River Authority

To be a member of the Board of Directors for a six-year term to expire February 1, 1987:

Harry J. Schulz
101 Hazel
Three Rivers, Texas 78071

Mr. Schulz of Three Rivers, Live Oak County, is being reappointed.

Texans War against Drugs Committee

For a one-year term to expire February 20, 1982:

Josephine E. Abercrombie
P.O. Box 27339
Houston, Texas 77027

Texas State University System

To be members of the Board of Regents for six-year terms to expire January 10, 1987:

John S. Cargile
2304 Douglas
San Angelo, Texas 76901

Bernard G. Johnson
5524 Sturbridge Drive
Houston, Texas 77056

W. C. Perry, Ed.D.
3820 Austin
Waco, Texas 76710

Mr. Cargile of San Angelo, Tom Green County, and Mr. Johnson of Houston, Harris County, are being reappointed. Mr. Perry of Waco, McLennan County, is replacing Mrs. Harry Hornby, Jr., of Uvalde, Uvalde County, whose term expired.

Issued in Austin, Texas, on March 18, 1981.

Doc. No. 811939 William P. Clements, Jr.
Governor of Texas

For further information, please call (512) 475-3021.

March 19, 1981

East Texas State University

To be members of the Board of Regents for six-year terms to expire February 15, 1987:

W. Ben Munson III
1130 West Bond Street
Denison, Texas 75020

Peggy M. Wilson
2540 Club Manor Drive
Dallas, Texas 75237

Gene Wesley Hightower, D.D.S.
Route 1, Box 204
Van, Texas 75790

Mr. Munson of Denison, Grayson County, is replacing Houston H. Harte of San Antonio, Bexar County, whose term expired. Ms. Wilson of Dallas, Dallas County, is replacing Raymond M. Holliday of Houston, Harris County, whose term expired. Dr. Hightower of Van, Van Zandt County, is replacing Stephen Oden of Texarkana, Bowie County, whose term expired.

Guadalupe-Blanco River Authority

To be a member of the Board of Directors for a six-year term to expire February 1, 1987:

H. Elliot Knox
P.O. Box 322
New Braunfels, Texas 78131

Mr. Knox of New Braunfels, Comal County, is being reappointed.

State Purchasing and General Services Commission

To be a member for a six-year term to expire January 31, 1987:

Henry C. Wendler
4310 Hallmark Drive
Dallas, Texas 75229

Mr. Wendler of Dallas, Dallas County, is being reappointed.

Issued in Austin, Texas, on March 19, 1981.

Doc. No. 811938 William P. Clements, Jr.
Governor of Texas

For further information, please call (512) 475-3021.

Requests for Opinions

Summary of Request for Opinion RQ-552

Request from Bennie Bock II, chairman, Environmental Affairs Committee, Texas House of Representatives, Austin.

Summary of Request: May the Texas Parks and Wildlife Commission contract with a private attorney to prosecute shrimp and confiscation cases and other wildlife infringements of the law to aid parks and wildlife?

Issued in Austin, Texas, on March 18, 1981.

Doc. No. 811941 Susan L. Garrison, Chairwoman
Opinion Committee
Attorney General's Office

For further information, please call (512) 475-5445.

Summary of Request for Opinion RQ-553

Request from Oscar H. Mauzy, chairman, Committee on Jurisprudence, Texas Senate, Austin.

Summary of Request:

(1) Will any city or county ordinance necessarily unlawfully infringe free speech rights where adopted pursuant to a state enabling act which authorizes a city or county to regulate the promotion, advertisement, sale (including the location of such establishments), display, or distribution of "harmful material to minors" as the latter term is used in Texas Penal Code §43.24, as that term is defined in CSSD 129, page 1, lines 11-24, and page 2, line 1?

(2) Does it make any difference whether the ordinance is not a zoning ordinance regulating the location of establishments that sell such materials?

(3) Is it of any consequence that the ordinance may be addressed to any establishment which sells such material or must that be the principal business of the establishment?

(4) May the legislature authorize a county and city to exercise concurrent jurisdiction in adopting such an ordinance? If not, may the legislature provide that the city ordinance controls to the extent of any conflicts?

(5) Given the criteria in Texas Penal Code §43.24 that the material be "patently offensive to prevailing standards in the adult community as a whole," will any county or city ordinance adopted concurrently for the same geographical area be "void for vagueness" since the county and city may have different standards?

Issued in Austin, Texas, on March 23, 1981.

Doc. No. 811942 Susan L. Garrison, Chairwoman
Opinion Committee
Attorney General's Office

For further information, please call (512) 475-5445.

Summary of Request for Opinion RQ-554

Request from John A. Traeger, chairman, Committee on Intergovernmental Relations, Texas Senate, Austin.

Summary of Request:

(1) Under the Interlocal Cooperation Act, do local governments, acting together, have the statutory authority to purchase insurance to cover the governmental functions and services covered under the Interlocal Cooperation Act, §3(2)?

(2) Under the Interlocal Cooperation Act, do local governments have the statutory authority to form self-insurance pools as they have done in the workers' compensation and health fields to cover risks inherent in providing governmental functions and services?

Issued in Austin, Texas, on March 24, 1981.

Doc. No. 811943 Susan L. Garrison, Chairwoman
Opinion Committee
Attorney General's Office

For further information, please call (512) 475-5445.

Summary of Request for Opinion RQ-555

Request from Mike Driscoll, county attorney, Harris County.

Summary of Request:

(1) Is Attorney General Opinion MW-290 to be interpreted to mean that the rent payment encumbrance is to be the amount of the year-by-year appropriation budgeted by commissioners court (estimated to be approximately $1,400,000), or the entire rental for the lease life (approximately $29,592,100)?

(2) For the year 1980, when no rent was payable, should the encumbrance, which will be carried forward, be "0" or $29,592,100?

(3) For the year 1981, the first year of the rental payment liability, should the encumbrance be approximately $1,379,500 (the first year's estimated rental) or $29,592,100? If the first amount ($1,379,500), should a similar scheduled annual basic rental amount be freshly encumbered year by year, pursuant to appropriation of commissioners court? If the latter amount, the unexpended portion would be carried forward annually as a new encumbrance.

Issued in Austin, Texas, on March 24, 1981.

Doc. No. 811944 Susan L. Garrison, Chairwoman
Opinion Committee
Attorney General's Office

For further information, please call (512) 475-5445.

Summary of Request for Opinion RQ-556

Request from Charles W. Evans, chairman, Committee on Government Organization, Texas House of Representatives, Austin.

Summary of Request: Questions regarding proposed legislation placing the National Guard Armory Board under the administrative control of The Adjutant General's Department. Would such action:

(1) have the effect of prohibiting the National Guard Armory Board from borrowing money, or issuing bonds, debentures, or other evidences of indebtedness for the purpose of constructing, remodeling, repairing, and equipping one or more buildings; and

(2) would the recommendation violate or cause to be violated by the National Guard Armory Board any existing covenants, agreements, contracts, or other obligations of the board relating to the indebtedness of the board?

Issued in Austin, Texas, on March 18, 1981.

Doc. No. 811945 Susan L. Garrison, Chairwoman
Opinion Committee
Attorney General's Office

For further information, please call (512) 475-5445.

Summary of Request for Opinion RQ-557

Request from Lynn Nabers, chairman, Committee on Criminal Jurisprudence, Texas House of Representatives, Austin.

Summary of Request:

(1) Would House Bill 182, if enacted by the legislature, render Article 53.08 unconstitutional as an attempt to confer upon justice courts by statute jurisdiction of criminal cases beyond their present jurisdiction as prescribed by the Texas Constitution, Article V, §19?

(2) If the answer to (1) is affirmative, would the provisions of Article 53.08, as amended by House Bill 182, be severable as to the authority of prosecutors to collect and process checks or similar sight orders?

Issued in Austin, Texas, on March 18, 1981.

Doc. No. 811946 Susan L. Garrison, Chairwoman
Opinion Committee
Attorney General's Office

For further information, please call (512) 475-5445.

Summary of Request for Opinion RQ-558

Request from Lias B. "Bubba" Steen, commissioner, Texas Department of Labor and Standards, Austin.

Summary of Request:

(1) Does the Texas Manufactured Housing Standards Act empower the department to adopt and enforce standards for the emission of formaldehyde vapors in manufactured housing?

(2) Does the attached petition for adoption of rules require the department to hold the appropriate hearings and adopt and enforce standards for the emission of formaldehyde vapors in manufactured housing?

(3) Would the adoption and enforcement of standards for the emission of formaldehyde in mobile homes be prohibited under the National Mobile Home Construction and Safety Standards Act of 1974?

Issued in Austin, Texas, on March 24, 1981.

Doc. No. 811947 Susan L. Garrison, Chairwoman
Opinion Committee
Attorney General's Office

For further information, please call (512) 475-5445.

An agency may adopt a proposed rule no earlier than 30 days after publication in the *Register*, except where a federal statute or regulation requires implementation of a rule on shorter notice.

Upon request, an agency shall provide a statement of the reasons for and against adoption of a rule. Any interested person may request this statement from the agency before adoption or within 30 days afterward. The statement shall include the principal reasons for overruling objections to the agency's decision.

This section now contains two classifications: codified and noncodified. Agencies whose rules have been published in the *Texas Administrative Code* will appear under the heading "Codified." These rules will list the new TAC number, which will be followed immediately by the *Texas Register* 10-digit number. Agencies whose rules have not been published in the TAC will appear under the heading "Noncodified." The rules under the heading "Codified" will appear first, immediately followed by rules under the heading "Noncodified."

Symbology—Changes to existing material are indicated in ***bold italics***. [Brackets] indicate deletion of existing material.

CODIFIED

TITLE 22. EXAMINING BOARDS

Part XIII. Texas Board of Licensure for Nursing Home Administrators

Chapter 245. Examination

The Texas Board of Licensure for Nursing Home Administrators proposes to amend §245.3 (391.03.00.003) by adding a requirement for board approval that the 200-hour course in nursing home administration required of most applicants for a license be offered only by accredited colleges or universities. This will assure that in addition to the existing requirement of approval of the board on submitted curriculum, the actual courses of study will be uniform statewide for all students and will be conducted under generally recognized educational principles employed by colleges or universities.

The proposed rule amendment will have no fiscal implications for the state or units of local government, as determined by staff of the agency.

Public comment is invited and should be submitted in writing to Karl E. Bishop, executive secretary, Texas Board of Licensure for Nursing Home Administrators, P.O. Box 9706, Austin, Texas 78766, within 30 days of publication in the *Texas Register*.

This amendment is proposed under the authority of Texas Civil Statutes, Article 4442d.

§246.3 (391.03.00.003). Requirements for Licensure.

(a)-(d) (No change.)

(e) Definitions.

(1) (No change.)

(2) The 200-hour course in nursing home administration shall consist of a curriculum approved by the board ***and shall be sponsored by an accredited college or university***.

(f)-(h) (No change.)

Issued in Austin, Texas, on March 19, 1981.

Doc. No. 811898

Karl E. Bishop
Executive Secretary
Texas Board of Licensure for Nursing Home Administrators

Proposed Date of Adoption: June 1, 1981
For further information, please call (512) 926-9530.

Chapter 247. Education

The Texas Board of Licensure for Nursing Home Administrators proposes to amend §247.2 (391.04.00.002). With the 200-hour course in nursing home administration being offered only by accredited colleges or universities, there will be no jointly sponsored programs of study requiring specific approval of the board as such. Therefore, subsection (b) of §247.2 (391.04.00.002) is proposed for deletion. This subsection is obsolete.

The proposed rule amendments will have no fiscal implications for the state or units of local government, as determined by staff of the agency.

Public comment is invited and should be submitted in writing to Karl E. Bishop, executive secretary, Texas Board of Licensure for Nursing Home Administrators, P.O. Box 9706, Austin, Texas 78766, within 30 days of publication in the *Texas Register*.

These amendments are proposed under the authority of Texas Civil Statutes, Article 4442d.

§247.2 (391.04.00.002). Approval of Programs of Study.

[(a)] Programs of study in accredited educational institutions. A program of study designed to train and qualify applicants for licensure as nursing home administrators as required by the state licensing statute and these rules and regulations offered by any accredited university or college shall be deemed acceptable and approved for such purpose; provided, however, that:

(1)-(3) (No change.)

[(b) Jointly sponsored programs of study. Any program offered by an educational institution, except as provided under subsection (a) of this section, or association or professional society shall be approved by the board; provided however:

[(1) such program shall have been registered with the board as required by §247.1 (391.04.00.001) of this title (relating to Registration of Institutions and Courses of Study);

[(2) such program shall include the subject areas as outlined in §247.2(2) (391.04.00.002(2)) of this title (relating to Approval of Programs of Study);

[(3) such programs shall be jointly sponsored with an accredited university or college; and

[(4) before approval, announcement, and/or publication by the board, the proposed program together with the faculty assignments shall be submitted to the board.]

Issued in Austin, Texas, on March 19, 1981.

Doc. No. 811899 Karl E. Bishop
Executive Secretary
Texas Board of Licensure for Nursing
Home Administrators

Proposed Date of Adoption: June 1, 1981
For further information, please call (512) 926-9530.

NONCODIFIED

Texas Department of Human Resources

Medicaid Eligibility

The Texas Department of Human Resources proposes to amend and add to its rules concerning deeming of income, earned income, and the value of household goods and personal effects in its Medicaid Eligibility rules. The amendments and new rule propose changes in eligibility policy in the SSI-related Medical Assistance Only (MAO) programs. The proposals are being made as a result of recent statutory and regulatory changes in SSI eligibility policy. The following is a brief description of the policy changes being proposed:

Under former deeming provisions in Rule 326 25.33.004, if a child applying for or receiving assistance was age 18 or older but under age 22 and was a student regularly attending school, the child's income and resources were deemed to include the income and resources of his or her parent(s) living in the same household. Under the new policy, deeming of parental income and resources will always cease when the child attains age 18, whether or not the child attends school.

SSI has included two new sources of income in the definition of earned income in Rule 326.25.34.001. These are payments made to disabled or blind individuals for work or activities performed in a sheltered workshop or work activities program, and payments and refunds of earned income tax credits.

Three new exemptions have been added to Rule 326.25.34.023 for the purpose of determining the amount of income to be deemed from an ineligible spouse of ineligible parents. These exemptions apply only to income of an ineligible spouse or parent; they may not be applied to income actually belonging to an applicant or recipient. These new exemptions are:

(1) assistance or income based on need (including VA pensions) and any income considered in determining the amount of such assistance or income;

(2) the value of in-kind support and maintenance furnished to an ineligible spouse or parent;

(3) the amount of income used by an ineligible spouse or parent to make court-ordered support payments.

In Rule 326.25.33.009, the value of household goods and personal effects which can be excluded as a resource is increased from $1,500 to $2,000. The equity value of such possessions is now counted instead of the market value.

Rule 326.25.33.018 has been corrected to state that the 90-day period for disposition of excess resources does not apply if the client has liquid resources in excess of three times the applicable SSI standard payment amount.

The department has determined that the proposed rule and amendments will have no fiscal implications for the state or units of local government.

Written comments are invited and may be sent to Susan L. Johnson, administrator, Policy Development Support Division—014, Texas Department of Human Resources, P.O. Box 2960, Austin, Texas 78769, within 30 days of publication in this *Register*.

Resources for Individuals Related to the SSI Program 326.25.33

The following amendments are proposed under the authority of the Human Resources Code, Title II.

.004. Deeming of Resources.

(a)-(b) (No change.)

(c) In the case of a blind or disabled child under age 18 [or under age 21 and a student], the child's resources are deemed to include any resources of the child's parent if the parent lives in the same household, regardless of whether the resources are available to the child, unless the parent is an AFDC caretaker or second recipient.

(d)-(f) (No change.)

.009. Household Goods and Personal Effects.

(a)-(b) (No change.)

(c) Household goods and personal effects are excluded if ***the individual's equity in such property does not exceed $2,000*** [their market value is $1,500 or less]. ***(Equity is the market value of the property less any amounts owed on it.)*** If the ***total equity*** [market value] exceeds ***$2,000*** [$1,500], the excess is ***considered an available resource and is*** counted against the resource limitation set forth in this rule.

.018. Disposition of Excess Nonliquid Resources.

(a)-(d) (No change.)

(e) However, when an applicant has liquid resources in addition to excess nonliquid resources, the individual or couple cannot be certified if the ***liquid*** [nonliquid] resources exceed an amount equal to three times the monthly federal payment standard for an individual or couple, if resources are being developed for a couple case.

(f)-(h) (No change.)

Issued in Austin, Texas, on March 24, 1981.

Doc. No. 811908 Marlin W. Johnston
Acting Commissioner
Texas Department of Human Resources

Proposed Date of Adoption: May 1, 1981
For further information, please call (512) 441-3355, ext. 2037.

Income for Individuals Related to the SSI Program 326.25.34.001, .003

The following amendments are proposed under the authority of the Human Resources Code, Title II.

.001. Definitions.

(a) For the purpose of determining eligibility, income is defined as the receipt of any property or service which an individual can apply either directly or by sale or conversion to meeting his ***or her*** basic needs for food, clothing, and shelter. ***Countable income is the amount of an individual's income after all exemptions and exclusions have been given which affects eligibility.***

(b) ***Generally, earned income is payment received by an individual for services performed as an employee or as a result of being engaged in self-employment. In addition, other types of income may be mandated as earned income by law. Earned income is always considered when received rather than at the time earned. Earned income consists of:***

(1) Gross wages.

(2) Net earnings from self-employment. Where an individual is both employed and self-employed, earned income consists of wages plus net earnings (or less net losses) from self-employment.

(3) Remuneration for work or for activities performed as a participant in a program conducted by a sheltered workshop or work activities center, even though such payments do not meet the normal definition of wages.

(4) Payments or refunds of earned income tax credits authorized under the Internal Revenue Code of 1954, §43 and §3507, as specified in Public Law 96-222, §101(a) (2) (B).

[Earned income includes gross wages and net earnings from self-employment and is considered as earned income only when received rather than at the time earned.]

(c) Unearned income is any income not defined as earned income and includes pensions and other benefits, prizes and awards, inheritances and gifts, proceeds from life insurance, alimony, rent, interest, dividends, royalties, support and maintenance, deemed income, etc.

[(d)] In determining the amount of unearned income, the amount actually available to the individual is considered. The gross amount is reduced by any ordinary or necessary expenses incurred in getting or receiving the unearned income.

[(e)] Medicare premiums, ***other health insurance premiums,*** and personal income tax withheld from unearned income are not deductible expenses.

[(f) Countable income is the amount of an individual's income after all exclusions have been given which affects eligibility.]

.003. Procedures for Deeming Income.

(a) (No change.)

(b) An individual's income includes all of his or her own income in case or in kind, both earned and unearned. It also includes all of the income of his or her eligible spouse. In addition, an individual's income is deemed to include:

(1) (No change.)

(2) Certain income of a parent and the spouse of such a parent who lives in the same household during any part of a calendar month if the individual is a blind or disabled child ***under age 18*** (if the parent or spouse of the parent is not a member of an AFDC group). In determining the amount of the parent's (and the parent's spouse's, if any) income available to the blind or disabled child, the following procedures apply:

(A) Determine the gross earned and unearned ***nonexempt*** income of the parent(s).

(B)-(E) (No change.)

Issued in Austin, Texas, on March 24, 1981.

Doc. No. 811909 Marlin W. Johnston
Acting Commissioner
Texas Department of Human Resources

Proposed Date of Adoption: May 1, 1981
For further information, please call (512) 441-3355, ext. 2037.

316.25.34.023

The following rule is proposed under the authority of the Human Resources Code, Title II.

.023. Income Exemptions Used in Deeming Only. In addition to the exemptions stated in Rule 326.25.34.011, the following types of income are exempted in determining the countable income of an ineligible spouse, parent, and/or spouse of a parent, or income of any ineligible children in a household for deeming purposes:

(1) Assistance or income based on need which is furnished by any federal agency, state or political subdivision of a state, and income which was taken into account in determining such assistance or payment. Assistance may be considered to be based on need if an income or income and resource test is one of the eligibility criteria. All of the income of an individual who receives such assistance will be excluded from the deeming process. The value of food stamps is not considered income for deeming purposes. Therefore, income considered in determining eligibility for food stamps is not excludable under this provision.

(2) The value of any in-kind support and maintenance furnished to the ineligible spouse, ineligible parent or ineligible spouse of a parent, and ineligible children in a household.

(3) Income used by an ineligible spouse or parent to make support payments under a court order or in compliance with a state agreement as set up under Title IV-D. The amount which may be excluded from the ineligible spouse or parent's income is the amount specified in the court order or state agreement or the actual payment, whichever is less.

Issued in Austin, Texas, on March 24, 1981.

Doc. No. 811910 Marlin W. Johnston
Acting Commissioner
Texas Department of Human Resources

Proposed Date of Adoption: May 1, 1981
For further information, please call (512) 441-3355, ext. 2037.

Early and Periodic Screening, Diagnosis, and Treatment

Dental Services 326.39.51

The Texas Department of Human Resources proposes Rules 326.39.51.005-.023 concerning dental provider participation in its Early and Periodic Screening, Diagnosis, and Treatment (EPSDT) Program. Policies and procedures in the rules incorporate changes in transfer of functions from the Texas Department of Health to DHR. The proposed rules cover requirements for participation, reimbursement, claims, utilization review, and minimum standards for denture units, relines, and repairs.

The department has determined that the proposed rules will have no fiscal implications for the state or units of local government.

Written comments are invited and may be sent to Susan L. Johnson, administrator, Handbook and Procedures Development Division—175, Texas Department of Human Resources, P.O. Box 2960, Austin, Texas 78769, within 30 days of publication in the *Register*.

The following rules are proposed under the authority of the Human Resources Code, Title II.

.005. Allowable Services and Limitations. To offer services to as many recipients as possible, certain limitations such as those regarding allowable services and age must be observed for the most effective use of available funds. Limitations will be adjusted as funds permit. Payment will be made only for authorized and allowable services.

.006. Who Is Eligible. To be eligible for EPSDT dental services, a person must:

(1) Have a current Texas medical care identification card or Medicaid verification letter.

(2) Be under age 21. Services can be continued through the month the recipient becomes 21.

(3) Have an approved Request for Dental Services Form which indicates that prior authorization has been given. If a person needs emergency treatment only, the request form is not required.

.007. Application for Participation.

(a) Dentists who are licensed and authorized by the Texas State Board of Dental Examiners, who reside and practice in the U.S.A., and who are without restriction imposed by the State Board of Dental Examiners or a court are eligible to apply for participation in the EPSDT Program. Private and public agencies that employ dentists may also apply to become providers of EPSDT Dental Program services in their community.

(b) If emergency dental services are required by an EPSDT eligible Texas resident while out of state, then the requirement that the provider have a Texas dental license and current registration with the Texas Board of Dental Examiners can be waived if the provider is a licensed dentist in the state in which the services are rendered and if he or she is authorized to provide Title XIX services in that state.

(c) Dentists, private agencies, and public nonprofit agencies wishing to participate should notify the Texas Department of Human Resources, EPSDT Dental Office, P.O. Box 2960, Austin, Texas 78769. A provider contract and instructions will be forwarded to the provider.

.008. Requirements for Participation.

(a) Requirements for participation are stated in the contract signed between the provider and DHR.

(b) Providers must render services in accordance with the reimbursement policies and operational instructions established by DHR, and in compliance with the rules and regulations relating to the practice of dentistry set forth by the Texas State Board of Dental Examiners.

(c) Participation in the program is voluntary. Either party to the contract can terminate participation by giving the other party 30 days notice in writing. The contract can also be terminated for a breach of the agreement effective on written notice or other date specified. The contract is subject to the availability of funds and is not transferable or assignable.

(d) Providers must notify DHR of any change in their telephone number or office mailing address. Providers must stop providing services and notify DHR if the Texas State Board of Dental Examiners suspends, probates, or terminates their license.

.009. Provider Termination.

(a) DHR will terminate a participating provider for any of the following reasons:

(1) voluntary withdrawal by the provider;

(2) conviction of fraud in the program;

(3) termination of the provider's license to practice dentistry.

(b) At the discretion of DHR, a provider may be terminated or administrative sanctions may be imposed because of the provider's abuse of the program or the suspension or probation of his or her license to practice dentistry.

.010. Maximum Payment. Payments for dental services rendered in the EPSDT Program will be the lowest of:

(1) the provider's usual fee;

(2) the provider's customary fee;

(3) the prevailing fee;

(4) the program maximum fee.

.011. Definitions.

(a) Usual fee—The fee a provider normally charges for the service.

(b) Customary fee—The median charge established by a provider for a particular service based on data in DHR computer files.

(c) Prevailing fee—The 75th percentile of the array of weighted customary charges for services based on statewide data.

(d) Percentile—Percentile is not the same as percent. Percentile is calculated in the following way: if 100 different providers rendered a single service and these fees were arranged in order from lowest to highest, the 50th fee from the bottom would be the 50th percentile, the 60th fee from the bottom would be the 60th percentile, etc.

(e) Program maximum fee—The highest fee that will be paid by the program for allowable procedures. These are established to reflect budgetary limitations of the program or new services when no prevailing fee has been established.

.012. Provider Fee Profiles.

(a) Customary and prevailing fees are based upon data secured from the program's computer file for services rendered during the calendar year preceding the start of the fiscal year in which a new fee schedule is approved. Upper

limits at the 50th and 75th percentiles are placed upon these schedules according to the following criteria.

(b) If a provider delivered services prior to October 1 of the calendar year preceding the start of the fiscal year in which a new fee schedule is approved, then the amount appearing on the fee schedule for the service will be the customary fee, the program maximum fee, or the adjusted statewide 75th percentile (prevailing fee) as limited by the cost of living index (whichever is less). A provider who did not render a particular allowable service will have the "gap" filled with the adjusted statewide 50th percentile. When budget constraints must be considered, the maximum fee allowable may be adjusted.

(c) A provider who joined the program and rendered services after October 1 of the calendar year preceding the start of the fiscal year and did not render a specific service 25 times or more will have a fee schedule limited to the statewide prevailing 50th percentile, or the program maximum fee (whichever is less). This fee schedule will prevail until a new fee schedule is approved by the program.

.013. Providers Returning To Participate. The fees for providers who have withdrawn from participation and who later re-enter the program under a new contract will be the same as fees received from the program at the time of withdrawal. If a new fee schedule has been approved in the interim, the provider will be re-entered and his or her fees computed in accordance with the appropriate program guidelines.

.014. Charges to Recipients. No charges can be made to recipients except for additional services desired by the recipient which are not allowable and authorized by the program.

.015. Payment of Claims.

(a) The provider must accept payment by DHR under the contract as payment in full for services rendered under the contract.

(b) Providers will be reimbursed for services properly rendered in accordance with applicable laws, regulations, operational instructions, and the contract. Payment may be withheld or suspended if services are not properly rendered. No payment will be made for services that are available under any other Texas Medical Assistance Program.

(c) In case of the provider's death, a completed invoice claim will be paid only if the executor of the estate signs the claim.

.016. Change to Another Provider.

(a) A change of provider can be made for one or more of the following reasons:

(1) Treatment by a specialist is indicated; such as pedodontist, oral surgeon, endodontist.

(2) The provider does not want to continue treatment with this particular recipient because of "no-shows," personality conflict, or unavailability of appointment time.

(3) The recipient prefers a provider nearer to home or place of employment.

(4) The recipient does not want to continue treatment with the provider because of conflicts with the provider's office.

(b) The provider initiates changes for the first two reasons. If arrangements have been made with another provider or a specific specialist, the referring provider notes on the initial exam invoice the name of the provider and a brief reason for the referral.

(c) The provider receiving the referral does an exam, completes and submits the treatment plan, listing the allowable procedures to be rendered. Also, the provider writes "referral from Dr. _____" on the form. When the approved treatment plan is returned, the second provider completes the work, after rechecking the recipient's eligibility, and submits for payment his or her completed treatment plan.

(d) The recipient initiates changes for the third and fourth reasons. The recipient or the DHR worker, when aware of the change, will notify the provider. The initial provider will then be able to submit his or her treatment plan for partial payment or it will be "voided" if no work was completed. The DHR caseworker must submit a new form for recipient prior authorization, noting the reason for change of provider on the top of the form.

.017. Claims Submission, Return, and Denial.

(a) Time limitation.

(1) The EPSDT Program has a three-month limitation for the completion of services and the submission of the invoice for payment.

(2) The three-month limitation begins on the last day of the month in which the treatment plan is authorized. Each invoice treatment plan will show the expiration date in the upper left corner of the invoice.

(3) The limitation on treatment plans facilitates the management of funds in the program. However, an extension on a treatment plan may be requested. If an extension is needed, the provider's office should copy all remaining services on a new treatment plan. The provider should sign and certify for payment of the services rendered to date. Both invoices should be stapled together and submitted for processing. Services already rendered will be paid and another authorization will be granted for the remaining services.

(b) Claims return.

(1) If any errors are found, DHR will send the provider the original invoice, with a memo explaining what corrections are necessary. The provider will make the necessary corrections, initial them, and return the invoice to DHR at the address on the form.

(2) All mail without correct postage will be returned to the sender. The first class rate should be used.

(3) Erasures, mark-throughs, whiteouts, or changes of any kind on the invoices must be initiated by the provider.

(4) Questions regarding program coverage or payment of invoices may be submitted to the director, EPSDT Dental Office, Texas Department of Human Resources, P.O. Box 2960, Austin, Texas 78769. Providers and staff can also use the toll-free WATS number: 1-800-252-9705.

(5) When making inquiry on a particular claim, the provider should be prepared to furnish the claim invoice number.

(c) Claim denials. Claims can be denied for any of the following reasons:

(1) Ineligible recipients—those who are not Medicaid eligible at the time of service or those who do not possess an approved Request for Dental Services Form.

(2) Services rendered are not allowable procedures in the EPSDT Program.

(3) Recipient is a resident in a state-maintained institution.

(4) Services were rendered by nonparticipating or suspended provider.

(5) Duplicate claims or claims for dental work were previously paid for the recipient.

(6) Dental practice procedures are contrary to rules and regulations relating to the practice of dentistry as set forth by the Texas State Board of Dental Examiners.

(7) Delivery of services was without prior authorization.

(8) Claims were submitted after the expiration date shown on the invoice.

.018. Interrupted or Incomplete Treatment Plans.

(a) There may be occasions when treatment is interrupted because of various reasons on the part of the recipient or provider and all the authorized services may not have been completed before the treatment plan was submitted for payment.

(b) To be eligible for subsequent treatment, the recipient must have a current medical care identification card or Medicaid verification letter.

(c) If the recipient returns to the initial provider, a new Request for Dental Services Form is not required. The provider must submit a new treatment plan for prior approval. When approval is received, the work may be completed.

(d) If the recipient desires to go to a different provider, the DHR worker will initiate a new Request for Dental Services Form for prior approval. A special notice will be printed or typed on the top of the form, "treatment incomplete" or "treatment interrupted." DHR will give this card special handling and, if the recipient is still eligible, he or she may receive special approval. If approved, the recipient may go to the new provider to receive completion of service.

.019. Absence of Services Reported by the Utilization Review Dentist.

(a) The director, EPSDT Dental Office, has the authority to permit the initial provider to complete certain services being reviewed if the review dentist indicates that it appears the procedure in question is required. This may be authorized whether the results of the review were acceptable or questionable. After the initial provider makes an overpayment settlement, he or she will be entitled to submit a supplemental treatment plan for authorization and after completion or treatment for payment. (The initial provider is authorized to render only those services approved by DHR.) The initial provider will be required to write "absences found by review" at the top of the claim form when submitting it for authorization.

(b) If the recipient does not want to return or is unable to return to the initial provider, he or she is permitted to go to another provider if the review dentist indicates that the procedure in question is required. In this case, the new provider will be authorized to render the procedures as outlined in Rule 326.39.52.014. The use of supplemental invoice claims and the mechanism of authorization and payment will be as outlined before. The mechanism for the Request for Dental Services Form and noting the reason of referral on the EPSDT Dental Services Claim Form is the same as previously described except the DHR worker will note on the request form, "absence found on review."

.020. Dental Problems Discovered by Utilization Review Dentist.

(a) If a utilization review dentist finds an obvious need for dental care although no absence of service was found, this will be referred to a DHR worker.

(b) A special notice will be printed or typed across the top of the Request for Dental Services Form, "discovered by utilization review." The form will be submitted to State Office.

(c) State Office will give this card special handling and, if the recipient is still eligible, may grant special approval. If this Request for Dental Services Form is approved, the recipient may go to the provider to receive treatment.

(d) The provider is responsible for entering the approval number from this Request for Dental Services Form on the claim form when submitting for authorization of a continued treatment plan. In addition, the provider should write "discovered by utilization review" at the top of the invoice claim when submitting it for authorization.

.021. Restitution of Audit Exceptions.

(a) If audit exceptions are found in the review which show overpayment by the EPSDT Program for services rendered or payment for services not rendered, the program will request restitution from the provider of all monies owed the program.

(b) The Department of Human Resources may request a fraud investigation or take administrative action against any provider suspected of fraud or abuse of the program.

(c) A detailed description of DHR's responsibilities and authority to take action relating to provider fraud and abuse in medical programs can be found in the Fair Hearings, Fraud, and Civil Rights Handbook, §2200 (and in department rules). This section also describes the provider's rights concerning actions taken by DHR relating to fraud and abuse. This information may be obtained by requesting it in writing from the Department of Human Resources, P.O. Box 2960, Austin, Texas 78769.

.022. Utilization of Peer Review or Grievance Committees.

(a) The EPSDT Program is mandated by state law to utilize Peer Review or Grievance Committees in disputes (complaints or questions on poor quality service) on behalf of the recipients, providers, and the program. Any one of these parties can utilize either of these committees to try to settle a dispute. This can be done by contacting the director, EPSDT Dental Office, DHR. The director will then contact the president of the local dental society or Peer Review Committee and request that the committee meet to resolve the problem. Recipients, providers, or DHR staff may also contact the local dental society or Peer Review Committee directly if they feel it is necessary.

(b) The decision of the Peer Review Committee is not binding unless agreed to in writing by all parties involved. Any party may appeal the decision of the Peer Review Committee.

.023. Utilization of State Board of Dental Examiners. Dental services under the EPSDT Program are required to be performed by the provider except for that work expected to be done by a dental hygienist, a dental assistant, or by the commercial or office dental laboratory if denture service is involved. Section V, Rules and Regulations, State Board of Dental Examiners, outlines the scope of work that dental auxiliary personnel can perform. Laws Relating to the Practice of Dentistry, Texas Civil Statutes, Article 4551f, Texas State Board of Dental Examiners, outlines the scope of work that can be performed by dental technicians. Any suspected

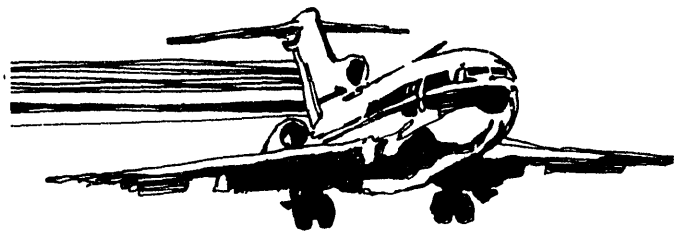
or reported deviations from these practices will be reported to the Texas State Board of Dental Examiners by the EPSDT Dental Office, DHR.

Issued in Austin, Texas, on March 24, 1981.

Doc. No. 811911

Marlin W. Johnston
Acting Commissioner
Texas Department of Human Resources

Proposed Date of Adoption: May 1, 1981
For further information, please call (512) 441-3355, ext. 2037.



An agency may adopt a proposed rule no earlier than 30 days after publication in the *Register*, and the adoption may go into effect no sooner than 20 days after filing, except where a federal statute or regulation requires implementation of a rule on shorter notice.

Upon request, an agency shall provide a statement of the reasons for and against adoption of a rule. Any interested person may request this statement from the agency before adoption or within 30 days afterward. The statement shall include the principal reasons for overruling objections to the agency's decision.

This section now contains two classifications: codified and noncodified. Agencies whose rules have been published in the *Texas Administrative Code* will appear under the heading "Codified." These rules will list the new TAC number, which will be followed immediately by the *Texas Register* 10-digit number. Agencies whose rules have not been published in the TAC will appear under the heading "Noncodified." The rules under the heading "Codified" will appear first, immediately followed by rules under the heading "Noncodified."

CODIFIED

TITLE 4. AGRICULTURE

Part II. Texas Animal Health Commission

Chapter 41. Fever Ticks

The Texas Animal Health Commission adopts the repeal of §41.1 (177.11.00.012) without any change to the original notice of repeal published in the February 3, 1981, issue of the *Texas Register* (6 TexReg 483). The repeal of §41.1 (177.11.00.012) was proposed because the existing section has been substantially changed and is now obsolete.

This repeal is adopted pursuant to the authority of Texas Civil Statutes, Article 7014g-1.

Issued in Austin, Texas, on March 23, 1981.

Doc. No. 811931 John W. Holcombe, DVM
Executive Director
Texas Animal Health Commission

Effective Date: April 15, 1981
Proposal Publication Date: February 3, 1981
For further information, please call (512) 475-4111.

The Texas Animal Health Commission adopts §41.1 (177.11.00.016) concerning new regulations for tick eradication in livestock in Texas, with several changes to the text as proposed in the February 3, 1981, issue of the *Texas Register* (6 TexReg 483). As a result of comments received from interested parties during the course of the public hearing, the regulations have been changed for clarification purposes. These changes are found in the following parts of §41.1 (177.11.00.016):

Subsection (a)—The areas mentioned in the definition of "check premise" refer specifically to the tick eradication quarantine area, temporary preventative quarantine area, and control purpose quarantine area. The word "quarantine" had previously been omitted from each area reference.

Subsection (d)(6)—Has been amended by deleting the reference to the Texas Animal Health Commission issuing a special permit pursuant to an authorized research project. This deleted wording now appears in new subsection (o).

Subsection (e)(2)—The word "temporary" which appeared in the reference to the temporary control purpose quarantine area was an error and has been deleted.

Subsection (f)(2)—Movement of hides and carcasses from any area other than the free area, has been expanded to show that it refers to any animal whether livestock or other.

Subsection (h)(1)—An error was made in the dipping intervals for livestock in the tick eradication quarantine area or infested or exposed premises in the temporary preventative quarantine area in that the words "seven to" was inadvertently omitted and it should have read "seven to 14 days".

Subsection (h)(4)—Through typing error a portion of this paragraph inadvertently picked up some of the wording contained in paragraph (5). This paragraph should read as follows: "The scratch inspection and first dip must be within 14 days from the date infestation or exposure is discovered unless otherwise approved by the commission."

Subsection (n)(1)—Sentence structure was rearranged to show that all livestock moved into Texas from the Republic of Mexico shall be identified in a manner that determines their country of origin.

Subsection (o)—As mentioned previously, a portion of the language contained in subsection (d)(6) has been moved forward and forms a new paragraph which clarifies the different requirements the commission may allow after a hearing for dipping, movement, and other handling of livestock under quarantine when such movement is made pursuant to a research project or field study.

This section is adopted under authority of Texas Civil Statutes, Article 7014g-1.

§41.1 (177.11.00.016). Tick Eradication.

(a) Definition of terms. The following words and terms, when used in this chapter, shall have the following meanings, unless the context clearly indicates otherwise:

Adjacent premise—A premise located contiguous to an exposed or infested premise.

Certificate—A document issued by an authorized representative of the commission, for movement of livestock after said livestock have been treated in a manner prescribed by the commission for the area and premise from which they originate.

Check premise—A premise located in a tick eradication quarantine area, temporary preventative quarantine area, or control purpose quarantine area that is not classified as an infested, exposed, or adjacent premise.

Control purpose quarantine area—Areas designated by the commission for a systematic inspection of livestock and premises and control of the movement of livestock in order to investigate and control a suspected exposure of ticks outside the tick eradication quarantine area. The extent of the area shall be determined by the appropriate barriers to the potential spread of ticks.

Dip, dipped, dipping, or treated—Submerging livestock in a vat, spraying livestock in an adequate facility, or any sanitary treatment of livestock as may be approved by the Texas Animal Health Commission. In order for such treatment for ticks to be officially recognized, it must be supervised by an authorized representative of the commission, written records maintained in the area tick office of the United States Department of Agriculture of all treatments, and each animal paint-marked so that it can be identified for a period of 17 days.

Exposed livestock—Livestock that have entered an infested or exposed premise and have not been dipped within 14 days after the entry and removed from the infested or exposed premise, or livestock that have occupied exposed premises and have not completed treatment required for movement from an exposed premise, or livestock which have entered Texas from the Republic of Mexico without a certificate from the United States Department of Agriculture.

Exposed premise—A premise on which ticks have been found on livestock that have been on said premise less than 14 days or a premise that has received exposed livestock or equipment or material capable of carrying ticks from an infested or exposed premise, and systematic treatment has not been completed.

Free area—Areas designated by the commission as being free of ticks or exposure to ticks. The extent of said area shall be determined by the appropriate barriers to the potential spread of ticks.

Infested livestock—Livestock on which ticks have been found, or livestock which occupy a premise on which ticks have been found on livestock that have been on said premise more than 14 days and upon which eradication treatment has not been completed for movement from an infested premise.

Infested premise—A premise on which ticks have been found on livestock that have been on said premise more than 14 days and systematic treatment has not been completed.

Livestock—Any domestic animal or captured wild animal that is capable of hosting or transporting ticks capable of carrying babesia (causating agent of cattle tick fever), including but not limited to cattle, horses, mules, jacks, jennets, zebras, buffalo, giraffe, and deer.

Permit—A document issued by an authorized representative of the commission allowing the livestock specific movement privileges.

Premise—An area which can be defined by recognizable physical barriers creating its boundaries that prevent livestock from crossing said boundary under ordinary circumstances or an area that livestock do not ordinarily inhabit which the commission defines by recognizable features.

Premise inspection—A routine inspection of premise boundaries and the livestock within for the purpose of documenting exposure of said premise by an authorized representative of the commission. A written record of all inspections must be recorded in the area tick office of the United States Department of Agriculture for the inspection to be official.

Premise under vacation—A premise from which all livestock have been removed as prescribed by the commission.

Range inspection of livestock—An inspection of livestock under conditions which will allow the person inspecting the animal to see the animal close enough to detect ticks on the animal. A written record of inspections must be recorded in the area tick office of the United States Department of Agriculture for the inspection to be official.

Scratch inspection of livestock—An inspection of livestock by an authorized representative of the commission in an approved facility which will allow the person inspecting the animal to touch and see all parts of the livestock. A written record of all scratch inspections must be recorded in the area tick office of the United States Department of Agriculture for the inspection to be official

Temporary preventative quarantine area—Areas designated by the commission for a systematic inspection of livestock and premises and treatment and control of movement of livestock in order to investigate, eradicate, and eliminate additional infestation and exposure from infested or exposed premises outside of the tick eradication quarantine area. The extent of said area shall be determined by the appropriate barriers to the potential spread of ticks.

The commission—The Texas Animal Health Commission.

Tick—Any tick capable of transmitting Bovine *Babesiasis* (cattle tick fever or bovine *piroplasmosis*).

Tick eradication quarantine area—Areas designated by the commission for a systematic inspection of livestock and premises and treatment and control of movement of livestock in order to investigate, eradicate, and eliminate additional infestation from infested or exposed premises. The extent of said area shall be determined by the appropriate barriers to the potential spread of ticks. This is the permanent quarantine area which is designated in Texas Animal Health Commission Proclamation 426, §41.2 (177.11.05.014) of this title (relating to Quarantine Line; Defining and Establishing Tick Eradication Areas), and in the United States Department of Agriculture Code of Federal Regulations Part 72.5, parallel to the Rio Grande River, commonly known as the buffer zone or systematic area.

(b) Designation of an area.

(1) All areas of the state shall be classified by the commission as one of either a free area, control purpose quarantine area, temporary preventative quarantine area, or tick eradication quarantine area. The commission shall immediately redesignate an area upon the change in circumstances that warrants reclassification. All areas, except free areas, shall be determined by the Animal Health Commission according to the needs of inspection and treatment for known or suspected infestations of ticks.

(2) Upon the designation of any area other than the free area, and upon the request of five livestock owners within the area, the commission shall appoint an area advisory committee from recommendations made by livestock owners within the area. The area committee shall be kept informed at all times of the general plan of inspection and treatment for the area, of the results of all inspections of livestock and premises, of changes in boundaries due to straying or change in area designation.

(3) The commission shall notify all livestock owners within an area, except the free area, as to the type area in which their livestock are located. All changes in designation

of an area shall be in writing with the reason for change given.

(c) Designation of a premise.

(1) All premises within a tick eradication quarantine area, temporary preventative quarantine area, or control purpose quarantine area shall be classified by the commission as either infested, exposed, adjacent, or check premise. The commission shall immediately redesignate a premise upon the change in circumstances that warrants reclassification. The boundaries of all premises shall be determined according to the needs of inspection and treatment for known or suspected infestations of ticks.

(2) The commission shall notify livestock owners within an area, except the free area, as to the type premise on which their livestock are located. All changes in designation of premises shall be in writing with the reason for change given.

(d) Movement of livestock.

(1) When livestock are moved from a quarantined area, the person in charge of the movement (trail boss, truck driver) shall have a copy of any certificate or permit required of the livestock for movement.

(2) All permits or certificates shall be void unless the livestock begin movement to the stated destination immediately upon issuance.

(3) Movement must be direct to the destination stated on the permit or certificate. If moved on foot, the movement must follow a designated route. No livestock may be unloaded at any other destination than shown on the permit or certificate.

(4) Any livestock that become exposed during movement shall be scratch inspected and dipped within 14 days of such exposure.

(5) No certificate for movement shall be issued unless the owner of the livestock to be moved has fully complied with all regulations of this tick program.

(6) On any movement allowed following a required dip, the livestock to be moved shall be loaded in the transporting conveyance wet or placed in a premise and for a period of time both to be approved by an authorized representative of the commission.

(7) No movement shall be made when a dip is required prior to movement and rain occurs prior to the drying of the dip that results in the dip dripping to the ground. In such event, the certificate for movement is void and another dip is required before movement.

(e) Restrictions on movement of livestock.

(1) Movement originating in the free area. There are no restrictions on the movement of livestock from a designated free area.

(2) Movement originating in the tick eradication quarantine area, temporary preventative quarantine area, or control purpose quarantine area. The owner or caretaker of livestock located in the tick eradication area shall not move, or allow the movement of any livestock from the said area, or from any premise therein without a permit or certificate covering the livestock to be moved issued by an authorized representative of the commission; nor shall any person accept such shipment in or from the said area, unless the owner first delivers unto them an original permit or certificate for the livestock.

(A) Movement originating in an infested premise or exposed premise. Certificates for movement shall be issued either after the livestock to be moved have been dipped by three consecutive dips not less than seven nor more than 14 days apart without scratch inspection unless required under subsection (k) of this section; or, if moving directly to slaughter by sealed conveyance, have been dipped by two consecutive dips not less than seven nor more than 14 days apart without scratch inspection unless required under subsection (k) of this section or have been dipped following a scratch inspection that does not reveal ticks and not less than seven days nor more than 14 days later dipped again following a scratch inspection that does not reveal ticks; or have been dipped following a scratch inspection and not less than 12 days nor more than 14 days later dipped following a scratch inspection that does not reveal ticks.

(B) Movement from an adjacent premise or check premise. Certificates for movement shall be issued after the livestock to be moved have been found free from ticks by scratch inspection and have then been dipped; or, have been dipped by three consecutive dips not less than seven nor more than 14 days apart without scratch inspection unless required under subsection (k) of this section; or, if moving directly to slaughter by sealed conveyance, have been dipped by two consecutive dips not less than seven nor more than 14 days apart without scratch inspection unless required under subsection (k) of this section.

(3) Certificates for movement originating in a premise within the control purpose quarantine area shall be issued after the livestock to be moved have been found free from ticks by scratch inspection and have been dipped; or, have been dipped by three consecutive dips not less than seven nor more than 14 days apart without scratch inspection unless required under subsection (k) of this section; or, if moving directly to slaughter by sealed conveyance, have been dipped by two consecutive dips not less than seven nor more than 14 days apart without scratch inspection unless required under subsection (k) of this section.

(4) The commission may for good cause waive in writing any of the restrictions on the movement of livestock.

(f) Restrictions on movement of hides and carcasses.

(1) Movement from the free area. There are no restrictions on the movement of hides and carcasses or parts thereof from the free area.

(2) Movement from any area other than the free area. Hides and carcasses and parts thereof of any animal whether livestock or other shall not move without inspection, treatment, and a permit for movement issued by a representative of the commission when deemed necessary.

(g) Dipping of livestock; general. All dipping prescribed in this section shall be done under the supervision of representatives authorized by the commission. The commission shall authorize for use in official dipping of animals only those proprietary brands of dips and in the applicable concentration that has been approved by the Animal and Plant Health Inspection Service of the United States Department of Agriculture and the Texas Animal Health Commission for use in official dipping to rid animals of the tick. The concentration of the dipping chemical used shall be maintained in the percentage specified for official use by means of the approved vat management techniques established for the use of the applicable agent, or, if applicable, by an officially approved vat side test or field test of the commission. The owner or caretaker of livestock shall be responsible for presenting the livestock to the dipping vat, dipping the livestock, and removing the livestock, and shall provide such labor as is necessary to perform all required functions.

(h) Required dipping of livestock.

(1) The owner or caretaker of livestock on infested or exposed premises in the tick eradication quarantine area or infested or exposed premises in the temporary preventative quarantine area shall present them to be scratch inspected and dipped followed by regular dipping at intervals of seven to 14 days until said livestock are moved from the premise in accordance with these regulations, or for the period of time shown on Table I (Pasture Vacation Schedule, South of Highway 90) or Table II (Pasture Vacation Schedule, North of Highway 90) for the appropriate locality and starting date.

(2) The 14-day interval may be extended due to circumstances beyond the control of the owner upon approval by an authorized representative of the commission. In no event shall the extension be for a period greater than three days. If the extension is granted, no certificate shall be issued after the 14th day and the next dip shall be on the original 14-day schedule.

(3) All scratch inspection and dipping shall be under instructions issued by the commission. All requirements of the owner shall be in written form directed to the owner or caretaker. An inspector for the commission shall deliver the instructions in person along with a copy of these regulations. All premise boundaries shall be listed in the order.

(4) The scratch inspection and first dip must be within 14 days from the date infestation or exposure is discovered unless otherwise approved by the commission.

(5) The starting date for Table I (Pasture Vacation Schedule, South of Highway 90) and Table II (Pasture Vacation Schedule, North of Highway 90) shall be the date of the last scratch inspection and dip that live ticks are discovered or 100% of the livestock on the premise have been dipped. Copies of Tables I (Pasture Vacation Schedule, South of Highway 90) and II (Pasture Vacation Schedule, North of Highway 90) may be obtained from the Texas Animal Health Commission, P.O. Box 12966, Austin, Texas 78711.

(6) A dip shall not be official unless 100% of the livestock within the premise affected are dipped on schedule.

(i) Vacation of premise. Upon the removal of all livestock from a premise, the premise shall remain classified as before the removal for the period shown on Table I (Pasture Vacation Schedule, South of Highway 90) and Table II (Pasture Vacation Schedule, North of Higway 90) for the locality and starting date. The starting date is the date the last live tick is found, or 100% of the livestock on the premise have been dipped and continued on an official dipping schedule until removed from the premise. Upon expiration of time shown in Tables I (Pasture Vacation Schedule, South of Highway 90) and II (Pasture Vacation Schedule, North of Highway 90), or when determined by the commission when the premise has no infestation, the premise shall be reclassified as is appropriate within the area or shall be reclassified as a check premise or control purpose quarantine area.

(j) Required inspection of premise. An infested premise, exposed premise, and adjacent premise shall be premise inspected every 14 days by an authorized representative of the commission. The 14-day interval may be extended due to circumstances that prevent the inspection. A check premise shall be premise inspected when deemed necessary by an authorized representative of the commission.

(k) Required scratch inspection of livestock. The owner or caretaker of livestock on any premise shall present them to be scratch inspected at any time specified by notice from an authorized representative of the commission.

(l) Handling and feeding of livestock.

(1) All conveyances which have contained infested or exposed livestock must be cleaned, treated, and determined to be free of ticks before reloading.

(2) All material removed from such conveyance or premise, except on an infested or exposed premise must be kept in an enclosure inaccessible to livestock, being separated for a minimum distance of 15 feet. No material shall be removed from said enclosure without approval in writing by the commission.

(3) Hay, feed, and any other commodity capable of carrying ticks may not be moved from an infested or exposed premise without a permit

(m) Hearing on protest of designation of area or premise of dipping directions or other orders.

(1) Any person that desires a hearing for the purpose of protesting the designation of an area or premise or against the enforcement of any dipping direction or scratching notice or any other order of the commission issued under the provisions of these regulations may file with an authorized representative of the commission a sworn application for a hearing, which application shall be forwarded by the authorized representative to the commission. In case of a protest from dipping, the application must be filed 10 days prior to the dipping date. The commission shall set a hearing on applications and give notice to the applicant and other parties who join the action.

(2) The applicant may appear at the hearing either in person or by attorney, or both, and may submit such ex parte affidavits as he desires. The hearing shall be conducted and governed by the terms and provisions of Texas Civil Statutes, Article 6252-13a, Administrative Procedures and Texas Register Act. The commission shall also consider controverting affidavits and statements. The Administrative Procedure and Texas Register Act provides generally as follows with respect to hearings: The commission may swear witnesses and take their testimony under oath and the rules of evidence as applied in nonjury civil cases shall be followed. Upon a showing of good cause, witnesses and records can be subpoenaed for testimony and used at the hearing or on deposition, and any part can be compelled to produce such records and documents as may be necessary and proper for the proceedings; witnesses shall be subject to cross-examination; and the commission can take notice of those generally recognized facts within the commission's area of expertise.

(3) The commission shall render its decision in writing and transmit the same to the authorized representative who received the original application, who shall thereupon either deliver the same in person to the applicant or transmit the same to him by registered mail to the address shown in said application.

(4) If the protest is for dipping and the commission overruled said application, it shall be the duty of said person to thereafter dip said livestock on all the dipping dates prescribed in said dipping direction, but he shall not be required to dip said livestock on the first dipping date following the delivery to him of a copy of the decision rendered by said commission, unless two full days intervene between the date of said service and the said dipping date, providing that where service is by registered mail, the time of depositing same in the mail without regard to whether it is received shall be regarded as the time of said service, but he shall not

be required to dip said livestock on the first dipping date following said service, unless four full days intervene between the date of depositing the same in said registered mail and the first dipping date thereafter.

(n) Regulations on cattle and products imported from the Republic of Mexico.

(1) All livestock moved into Texas from the Republic of Mexico will be identified in a manner so that their Mexico origin can be determined.

(2) A copy of the certificate issued by an authorized inspector of the Animal and Plant Health Inspection Service, United States Department of Agriculture, for the movement of Mexico cattle into Texas shall accompany such animals to their final destination in Texas, or so long as they are moving through Texas.

(3) The owner or caretaker of livestock which have been in the Republic of Mexico within six months of their entry into Texas shall not move, or allow the movement of such livestock to any area of Texas other than the free area, nor shall any person accept a shipment of such livestock into any area other than the free area.

(4) No person, firm, corporation, or carrier shall move or transport from Mexico into the State of Texas any commodity capable of carrying ticks for any purpose unless such products have been treated in accordance with requirements of the commission or the United States Department of Agriculture. A certificate of treatment issued by an authorized inspector shall accompany such products to their final destination in Texas so long as they are moving through Texas.

(o) Tick program research and field studies. The commission, upon a hearing, may authorize different requirements for dipping, movement, and other handling of livestock under quarantine when done pursuant to a research program or field study which has been approved by the commission.

Issued in Austin, Texas, on March 25, 1981.

Doc. No. 811932 John W. Holcombe, DVM
Executive Director
Texas Animal Health Commission

Effective Date: April 15, 1981
Proposal Publication Date: February 3, 1981
For further information, please call (512) 475-4111.

TITLE 31. NATURAL RESOURCES AND CONSERVATION

Part X. Texas Water Development Board

Chapter 333. Area Water Quality Management

Clear Lake

The Texas Water Development Board adopts amendments to §333.1 (156.21.05.001) as proposed except for changes in subsection (a). The board had proposed that the total suspended solids limitation be amended from 12 mg/l on a monthly average to 10 mg/l. After consideration of public comment, the board decided that the total suspended solids limitation should remain unchanged at 12 mg/l. In addition, the proposed variance clause concerning the ammonia nitrogen limitation was changed to provide that any seasonal variation granted by the commission could not exceed 5 mg/l on a monthly average for any one month. This 5 mg/l limitation is consistent to the existing 5 mg/l limitation, therefore this change does not represent a substantial change from the proposed and existing sections.

These amendments are adopted under the authority of the Texas Water Code, §5.131 and §5.132.

§333.1 (156.21.05.001). Clear Lake Watershed Effluent Quality Criteria.

(a) All municipal waste discharges within the Clear Lake Watershed (excluding those discharges which have pursued an acceptable alternative, such as diversion of effluent out of the watershed) shall improve and upgrade their waste treatment facilities and operations as needed to achieve, at a minimum, the following effluent quality criteria:

Item	Not To Exceed Effluent Concentration (mg/l) 30-Day Average	7-Day Average
Biochemical Oxygen Demand 5-Day (BOD_5)	5	10
Total Suspended Solids (TSS)	12	20
Ammonia as nitrogen (NH_3-N)	2	10

Effluent disinfection shall conform to Effluent Set A of "A Policy for Effluent Standards for Domestic Waste Water Treatment Plants," contained in §327.4 (156.18.05.004) of this title (relating to Table 1, Effluent Standards for Domestic Waste Water Treatment Plans). The commission, upon a satisfactory showing by the applicant that no significant adverse water quality condition will occur, may provide in the permit that the ammonia as nitrogen limitation may be calculated on an annual basis or grant variances for seasonal variations during winter months so long as such seasonal variation does not exceed 5 mg/l monthly average or 2 mg/l on an annual average.

(b) All industrial waste discharges within the Clear Lake Watershed (excluding those discharges which have pursued an acceptable alternative, such as diversion of effluent out of the watershed) shall improve and upgrade their waste treatment facilities and operations as needed to achieve, at a minimum, effluent limitations commensurate with the treatment efficiencies required of municipal waste discharges to the Clear Lake Watershed. In addition, each industrial discharge should be prepared to meet more stringent effluent limitations on a case-by-case basis if warranted by water quality considerations.

Issued in Austin, Texas, on March 20, 1981.

Doc. No. 811926 M. Reginald Arnold II
General Counsel
Texas Department of Water Resources

Effective Date: April 14, 1981
Proposal Publication Date: January 20, 1981
For further information, please call (512) 475-7841.

Surface Water Quality Standards

The Texas Water Development Board adopts §§333.11-333.21 (156.21.01.001-.011) with changes to the text as proposed in the January 27, 1981, issue of the *Texas Register* (6 TexReg 310). Minor changes for purposes of clarification are made to §333.21 (156.21.01.011) (Appendix A, Segments 0222 and 0819) and (Appendix C, Description of Segments 0601, 0602, 0603, 0701, 2301, 2302).

The following new sections are adopted under the authority of the Texas Water Code, §26.023.

§333.11 (156.21.01.001). Policy Statement. It is the policy of this state and the purpose of this chapter to maintain the quality of water in the state consistent with the public health and enjoyment, the propagation and protection of terrestrial and aquatic life, the operation of existing industries, and the economic development of the state; to encourage and promote the development and use of regional and areawide waste collection, treatment, and disposal systems to serve the waste disposal needs of the citizens of the state; and to require the use of all reasonable methods to implement this policy (Texas Water Code, §26.003, as amended).

§333.12 (156.21.01.002). Antidegradation Statement.

(a) In implementing the legislative policy expressed in Texas Water Code, Section 26.003, it is the policy of the Texas Department of Water Resources that:

(1) The waters in the state whose existing quality is better than the applicable water quality standards described herein as of the date when these standards become effective will as provided hereafter be maintained at their high quality, and no waste discharges may be made which will result in the lowering of the quality of these waters unless and until it has been demonstrated to the Texas Department of Water Resources that the change is justifiable as a result of necessary economic or social development.

(2) Water uses identified in the numerical criteria of these standards will be maintained. Identified uses will be reviewed when appropriate and changes, if necessary, will be proposed and justified in accordance with 40 Code of Federal Regulations Part 35.1550(c)(2), (3), and (4). Additionally, no degradation shall be allowed in high quality waters within or adjacent to national parks and wildlife refuges or wild and scenic rivers designated by law if such degradation would significantly impact the use of an area for its designated purposes. Existing in-stream water uses shall be protected consistent with provisions of the Texas Water Code, Chapter 11, and in accordance with the Federal Clean Water Act, §101(g).

(3) The department will not authorize or approve any waste discharge which will result in the quality of any of the waters in the state being reduced below the water quality standards without complying with the federal and state laws applicable to the amendment of water quality standards.

(4) Anyone making a waste discharge from any industrial, public, or private project of development which would constitute a new source of pollution or an increased source of pollution to any of the waters in the state will be required, as part of the initial project design, to provide the highest and best degree of waste treatment available under existing technology consistent with the best practice in the particular field affected under the conditions applicable to the project or development.

(b) The executive director will keep the Environmental Protection Agency informed of its activities and will furnish to the agency such reports in such form, and containing such information, as the administrator or the Environmental Protection Agency may from time to time reasonably require to carry out his functions under 33 United States Code 1251 et seq., the Federal Water Pollution Control Act. Additionally, the executive director will consult and cooperate with the Environmental Protection Agency on all matters affecting the federal interest.

§333.13 (156.21.01.003). Classification of Surface Waters. The surface waters of the state have been divided into the following categories for ease of classification.

(1) River basin waters—Those surface inland waters, comprising the major rivers and their tributaries, including listed impounded waters, and including the tidal portion of the river to the extent that it is confined in a channel.

(2) Coastal basin waters—Those surface inland waters, including listed impounded waters, exclusive of paragraph (1) of this section, discharging or flowing or otherwise communicating with bays or the gulf including the tidal portion of streams to the extent that they are confined in channels.

(3) Bay waters—All tidal waters exclusive of those included in river basin waters, coastal basin waters, and gulf waters.

(4) Gulf waters—Those waters which are not included in or form a part of any bay or estuary but which are a part of the open waters of the Gulf of Mexico to the limit of Texas' jurisdiction.

§333.14 (156.21.01.004). Description of Standards.

(a) The general statement is an integral part of the standards and the standards shall be interpreted in accord with the general statement.

(b) The standards consist of three parts:

(1) General criteria applicable to all surface waters of the state except as otherwise provided in this section.

(2) Numerical criteria applicable to specific surface waters designated in the standards.

(3) Water uses deemed desirable for specific surface waters designated in the standards. The designation of a segment as desirable for a particular water usage reflects the objective of the Texas Department of Water Resources to attain and maintain a quality of water appropriate to a specific water usage for a stream segment.

(c) The numerical criteria and water uses deemed desirable are set out in Appendix A of §333.21 (156.21.01.011) of this title (relating to Appendices A through C) for specific surface waters designated in the standards.

§333.15 (156.21.01.005). General Criteria. The general criteria enumerated in the following paragraphs are applicable to all surface waters of the state at all times and specifically apply with respect to substances attributed to waste discharges or the activities of man as opposed to natural phenomena. Natural waters may, on occasion, have characteristics outside the limits established by these criteria; in which these criteria do not apply. The criteria adopted in this section relate to the condition of waters as affected by waste discharges or man's activities. The following criteria do not override a specific exception to any one or more of the following if the exception is specifically stated in a water quality standard.

(1) Taste and odor producing substances shall be limited to concentrations in the waters of the state that will not interfere with the production of potable water by reasonable water treatment methods, or impart unpalatable flavor to food fish, including shellfish, or result in offensive odors arising from the waters, or otherwise interfere with the reasonable use of the waters.

(2) The surface waters of the state shall be maintained so as to be essentially free of floating debris and suspended solids conducive to the production of putrescible sludge deposits or sediment layers which would adversely affect benthic biota or any lawful uses.

(3) The surface waters of the state shall be maintained so as to be essentially free of settleable suspended solids conducive to changes in the flow characteristics of stream channels, to the untimely filling of reservoirs, lakes, and bays.

(4) The surface waters of the state shall be maintained in an aesthetically attractive condition.

(5) There shall be no substantial change in turbidity from ambient conditions due to waste discharges.

(6) There shall be no foaming or frothing of a persistent nature.

(7) There shall be no discharge of radioactive materials in excess of that amount regulated by Texas Civil Statutes, Article 4590(f), Texas Radiation Control Act and Texas Regulation for Control of Radiation.

(8) Radioactivity levels in the surface waters of Texas, including the radioactivity levels in both suspended and dissolved solids for the years 1958 through 1960, were measured and evaluated by the Environmental Sanitation Services Section of the Texas Department of Health in a report prepared for and at the direction of the Health Department by the Sanitary Engineering Research Laboratory at the University of Texas. The document is entitled, Report on Radioactivity—Levels in Surface Waters—1958-1960, pursuant to Contract 4413-407, and is dated June 30, 1960. This document comprises an authoritative report on background radioactivity levels in the surface waters in the state and quite importantly sets out the locations where natural radioactive deposits have influenced surface water radioactivity. The impact of radioactive discharges that may be made into the surface waters of Texas will be evaluated and judgments made on the basis of the information in the report which was at the time made, and may still be the only comprehensive report of its kind in the nation.

(9) Radioactivity in fresh waters associated with the dissolved minerals (measurements made on filtered samples) shall not exceed those enumerated in the Interim Primary Drinking Water Regulations, December 1977, or latest revision, unless such conditions are of natural origin.

(10) The surface waters of the state shall be maintained so that they will not be toxic to man, fish, and wildlife, and other terrestrial and aquatic life.

(11) With specific reference to public drinking water supplies, toxic materials not removable by ordinary water treatment techniques shall not exceed those enumerated in the Interim Primary Drinking Water Regulations, December 1977, or latest revision.

(12) For a general guide with respect to fish toxicity, receiving waters outside mixing zones should not have a concentration of nonpersistent toxic materials exceeding 1/10 of the 96-hour LC50, where the bioassay is made using fish indigenous to the receiving waters. Similarly, for persistent toxicants, the concentrations should not exceed 1/20 of the 96-hour LC50.

(13) For evaluations of toxicity, bioassay techniques will be selected as suited to the purpose at hand. As a general guideline, bioassays will be conducted using fish indigenous to the receiving waters and water quality conditions (temperature, hardness, pH, salinity, dissolved oxygen, etc.) which approximate those of the receiving waters.

(14) At the present time sufficient information is not available concerning:

(A) cause-effect relationships between nutrient concentrations and water quality; and

(B) nutrient cycling mechanisms in Texas waters, to establish appropriate water quality standards for nutrients.

As such information becomes available standards for nutrients will be established, if appropriate. Decisions regarding the establishment of nutrient standards will be made on a case-by-case basis by the department after proper hearing and public participation. The establishment of a schedule for decisions as to the need for the nutrient standards which should be adopted is not feasible at this time.

(15) The surface waters of the state shall be maintained so that no oil, grease, or related residue will produce a visible film of oil or globules of grease on the surface, or coat the banks and bottoms of the watercourse.

(16) A dissolved oxygen concentration of at least 2.0 mg/l shall be maintained in all waters of the state with the exception of intermittent streams and inland effluent dominated streams, for all flow conditions for which a dissolved oxygen limit is not enumerated elsewhere in these standards (note also §333.18(d) (156.21.01.008(d)) of this title (relating to Application of Standards).

(17) The quality of surface waters of the state, other than intermittent streams and those segments with specifically identified desired uses and numerical criteria, will be protected so that certain minimal uses such as navigation, agricultural water supply, or industrial water supply will be maintained. The foregoing statement is not to be construed to mean that the criteria enumerated in quality criteria for water shall be applied in determining suitable water quality for the uses identified.

(18) Consistent with its water resource management responsibilities, the state has determined that in most areas of the state the use of man-made impoundments for industrial cooling accomplishes both water conservation and water quality management objectives. While numerical criteria for temperature are not established for all such reservoirs, temperatures in these reservoirs and all other surface waters of the state shall be maintained so as not to interfere with the reasonable use of such waters for beneficial purposes consistent with the policy statement and in accordance with water rights permits.

§333.16 (156.21.01.006). Numerical Criteria.

(a) The numerical criteria apply to the specific waters identified. A detailed description of the inland segment boundaries is contained in Appendix C, segment descriptions, of §333.21 (156.21.01.011) of this title (relating to Appendices A through C). Boundaries of coastal estuarine segments have not yet been precisely defined; however, approximations are illustrated in the segment identification maps, Texas River and Coastal Basins, Texas Department of Water Resources, LP-132, October 1980. Stream standards are es-

tablished and specifically apply with respect to substances attributed to waste discharges or the activities of man as opposed to natural phenomena. Other surface waters are covered by the criteria in the general statement and §333.18(d) (156.21.01.008)(d)) of this title (relating to Application of Standards).

(b) Chemical concentration parameters with the exception of dissolved oxygen and pH apply to the approximate midpoint of the segment. The numerical values shown represent arithmetic average conditions over a period of one year. Compliance is determined from at least four measurements per segment by averaging measurements from all monitoring stations within the segment to allow for reasonable gradients within the segment. Whenever an unusual chemical concentration is found, an investigation of its origin will be made and such action, as is warranted, initiated. These chemical parameters, as identified in the numerical criteria, will be maintained through the permit review process. Salinity levels in estuarine areas are discussed in §333.20(b) (156.21.01.010(b)) of this title (relating to Comments).

(c) The dissolved oxygen values are minimum values which are applicable except as qualified in §333.18 (156.21.01.008) of this title (relating to Application of Standards). For short periods of time, diurnal variations of 1.0 mg/l below the standard specified in the table shall be allowed for no more than eight hours during any 24-hour period.

(d) The pH range represents maximum and minimum conditions throughout the segment except as qualified in §333.18 (156.21.01.008) of this title (relating to Application of Standards).

(e) The temperature limitations are intended to be applied with judgment and are applicable to the waters specifically identified in this section with the qualifications enumerated in §333.18 (156.21.01.008) of this title (relating to Application of Standards). Temperature standards are composed of two parts, a maximum temperature and a maximum temperature differential attributable to heated effluents.

Fresh Water Streams:		
Maximum Temperature	See Table for Specific Waters	
Maximum Temperature Differential	5°F rise over ambient	
Fresh Water Impoundment:		
Maximum Temperature	See Table for Specific Waters	
Maximum Temperature Differential	3°F rise over ambient	
Tidal River Reaches, Bay and Gulf Waters:		
	Fall Winter Spring	Summer June, July August
Maximum Temperature Differential	4°F	1.5°F
Maximum Temperature	95°F	95°F

(f) The specific temperature differentials shall not apply where the temperature increase is due to the discharge of a treated domestic (sanitary) sewage effluent.

(g) The maximum temperature differential applies only to temperatures below the maximum criteria. If a recorded temperature exceeds the maximum criteria for a specific segment it will be considered a violation of the water quality standards.

(h) Bacteriological water quality standards consist of two parts:

(1) a measure of general quality and

(2) a limit on variations from the general quality.

(i) For all waters except gulf and bay waters, the measure of general quality is the logarithmic mean (geometric mean) of fecal coliform determinations. The number specified in the tables applies to the logarithmic mean of data from a representative sampling of not less than five samples collected over not more than 30 days. All aspects of the sampling shall be such that a truly representative result is obtained. For routine observation and evaluation of water quality, lesser numbers of samples collected over longer periods will be used. In bay waters (exclusive of bay waters in the buffer zone), the number specified in the tables applies to the median total coliform density as specified in the National Shellfish Sanitation Program Manual or Operations, Part I, Sanitation Shellfish Growing Areas, 1965 Revision, or latest revision.

(j) The limit on variations from the general bacteriological quality on all waters except gulf and bay waters is a fecal coliform density which shall not be equaled or exceeded in more than 10% of the samples. This density is twice the numerical criteria specified in the table. In the instance of gulf and bay waters (exclusive of the buffer zone), the criteria for shellfish growing water shall apply.

§333.17 (156.21.01.007). Water Uses.

(a) Contact recreation waters.

(1) Surface waters suitable for contact recreation shall not exceed a logarithmic mean (geometric mean) fecal coliform content of 200 organisms per 100 ml from a representative sampling of not less than five samples collected over not more than 30 days, as determined by either multiple-tube fermentation or membrane filter techniques. No more than 20% of the total samples taken during any 30-day period shall exceed a logarithmic mean fecal coliform content of 400 organisms per 100 ml.

(2) Simple compliance with bacteriological standards does not insure that waters are safe for primary contact recreation, such as swimming. Long-standing public health principles mandate that a watershed sanitary survey be conducted in order to adequately evaluate the sanitary hazards potentially present on any natural watercourse.

(b) Noncontact recreation. Surface waters for general or noncontact recreation should, with specific and limited exceptions, be suitable for human use in recreation activities not involving significant risks of ingestion. These waters shall not exceed a logarithmic mean (geometric mean) fecal coliform content of 2,000/100 ml, nor equal or exceed 4,000/100 ml in more than 10% of the samples, except in specified mixing zones adjacent to outfalls.

(c) Domestic raw water supply.

(1) It is the goal that the chemical quality of all surface waters used for domestic raw water supply conform to the interim drinking water regulations. However, it must be realized that some surface waters are being used that cannot meet these standards. Since in these cases it is the only source available, these surface waters may be deemed suitable for use as a domestic raw water supply, where the chemical consitutents do not pose a potential health hazard.

(2) The evaluation of raw water for domestic use cannot be reduced to simply counting bacteria of any kind and the foregoing must be used with judgment and discretion. This paragraph is not intended to limit the responsibilities and authorities of responsible local governments or local health agencies.

(d) Propagation of fish and wildlife.

(1) The water quality requirements necessary to support the propagation of fish and wildlife are too diverse to be defined by a single set of numerical criteria. Different but equally desirable biological communities may have substantially different water quality requirements. Also, the impact of a given chemical or physical component on a biological community can be assessed only when the other components of the system are known since synergistic and antagonistic interactions are common. Determination of the suitability of a stream for the propagation of fish and wildlife is most effectively accomplished by an assessment which considers both the physical-chemical parameters of the stream and the biological community present in the stream.

(2) Specific criteria do exist with respect to shellfish waters. In shellfish areas in the bays and outside the buffer zones, the total coliform criteria shall be limited and guided by the latest revision of the U. S. Public Health Service Manual, Sanitation of Shellfish Growing Areas.

§333.18 (156.21.01.008). Application of Standards.

(a) Flow criteria.

(1) The flow criteria as defined below and listed specifically for each segment at the referenced stations (see Appendix B) apply only to river and coastal basin waters. They do not apply to reservoir, estuarine, or gulf waters. Flow conditions were computed from historic USGS daily stream-flow records where available. In cases where there was not a USGS flow station at the TDWR monitoring station, the base flow condition was interpolated/extrapolated from the nearest comparable USGS stations. The seven-day, two-year low flows shown in Appendix B of §333.21 (156.21.01.011) of this title (relating to Appendices A through C) were calculated using USGS data. When the calculated seven-day, two-year low flow was less than 0.1 cfs the base flow was set at 0.1 cfs.

(2) The flows will be recomputed periodically to reflect any alterations in the hydrologic characteristics of a segment which may result from upstream activities in the basin, including construction of new reservoirs, climatological trends or other phenomena.

(A) Chemical parameters. The water quality standards exclusive of temperature, dissolved oxygen, and pH but including chlorides, sulfates, and total dissolved solids represent annual arithmetic mean concentrations which shall not be exceeded for any year. The measurements that shall be used to compute the annual arithmetic mean will be only those taken when the flow at the time of sampling equals or exceeds the specified flow criterion. At least four measurements per year are required to determine compliance with standards.

(B) The dissolved oxygen and pH standards represent minimum and minimum/maximum values, respectively, and shall apply at all times that the daily flow equals or exceeds the specified flow criterion.

(C) Temperature. The temperature standard represents a maximum value that shall apply at all times that the daily flow exceeds the specified flow criterion.

(D) Other parameters and general criteria. The general criteria and the numerical criteria not specifically discussed in this paragraph shall apply at all times regardless of flow unless specifically excepted under §333.18(d) (156.21.01.008(d)) of this title (relating to Application of Standards).

(E) The flow criteria identified in Appendix B of §333.21 (156.21.01.011) of this title (relating to Appendices A through C) are solely for the purpose of defining the conditions under which the numerical water quality standards apply to a given water body. The Appendix B of §333.21 (156.21.01.011) of this title (relating to Appendices A through C) flow criteria are not for the purpose of regulating flows in water bodies in any manner or requiring that minimum flows be maintained in the referenced water bodies.

(b) Mixing zones.

(1) Where mixing zones are specifically defined in a valid waste discharge permit issued by the Texas Department of Water Resources or a national pollutant discharge elimination system permit, the defined zone shall apply.

(2) Where the mixing zone is not so defined, a reasonable zone shall be allowed. Because of varying local physical, chemical, and biological conditions, no single criterion is applicable in all cases. In no case, however, where fishery resources are considered significant, shall the mixing zone allowed preclude the passage of free-swimming and drifting aquatic organisms to the extent of significantly affecting their populations. Normally, mixing zones should be limited to no more than 25% of the cross-sectional area and/or volume of flow of the stream or estuary leaving at least 75% free as a zone or passage unless otherwise defined by specific mixing zones. Consideration will be given to the guidance in Chapter 5, Guidelines for State and Areawide Water Quality Management Program Development, (1976), in establishing the mixing zone.

(c) Buffer zones in bay and gulf waters. For all bay and gulf waters, exclusive of those contained in river or coastal basins as defined in §333.13 (156.21.01.003) of this title (relating to Classification of Surface Waters), a buffer zone of 1,000 feet measured from the shorelines at ordinary high tide is hereby established. In this zone, the bacteriological requirements enumerated in other sections of these standards shall not apply. In these zones, the logarithmic mean (geometric mean) density of fecal coliform organisms shall not exceed 200/100 ml nor shall more than 10% of the total samples exceed 400/100 ml. The foregoing percentages are applicable when examining data from not less than five samples collected over not more than 30 days. For routine observation and evaluation of water quality, lesser numbers of samples collected over longer periods will be used.

(d) Exceptions.

(1) The water quality standards will not apply to treated effluents and except general criteria will not apply to:

(A) Water in mixing zones as defined in this section or in a waste discharge operating under a valid permit issued by the Texas Department of Water Resources or the National Pollutant Discharge Elimination System, or

(B) Dead-end barge and dead-end ship channels constructed for navigation purposes unless specifically designated in the tables. This does not include finger canals to marinas or other developments.

(2) In dead-end barge canals and dead-end ship channels, intermittent streams, and inland effluent domi-

nated streams, a minimum goal shall be to to maintain a concentration of 2.0 mg/l dissolved oxygen except in areas where it is not feasible or justifiable. Nothing in this statement precludes requiring waste treatment over and above that required to meet a 2.0 mg/l dissolved oxygen standard.

§333.19 (156.21.01.009). Determination of Compliance. In making any tests or analytical determination on classified surface waters to determine compliance or noncompliance with water quality standards, representative samples shall be collected at locations approved by the Texas Department of Water Resources.

(1) Collection and preservation of samples.

(A) Samples for determining compliance with the standards, excepting temperature as explained below, will be collected one foot below the water surface unless the water depth is less than 1.5 feet, in which case the collection depth shall be 1/3 of the water depth measured from the water surface.

(B) For impoundments, the temperature standards enumerated shall apply to the representative temperature of the receiving water outside the mixing zone measured by averaging temperature measurements made at equal and appropriate intervals from the surface to the bottom except where the impoundment is stratified. In these cases, the bottom is defined as the thermocline and the temperature measurements for determining compliance shall be confined to the epilimnion. The thermocline shall be that point of rapid temperature change with vertical depth as defined in standard textbooks on the subject.

(C) In tidal river reaches, the temperature standards apply to the freshwater layer in stratified situations similar to impoundments.

(D) Samples will be collected from the present established sampling stations to insure continuance in monitoring with that done in the past. In those cases where there are not sufficient established points, it may be necessary to establish additional stations. This statement does not preclude sampling at other points in the conduct of field investigations.

(E) Collection and preservation of samples will be in accordance with accepted procedures to assure representative samples of the water and to minimize alterations prior to analysis.

(2) Analysis of samples. Numerical values in the water quality standards will be determined by analytical procedures outlined in the latest edition of Standard Methods for the Examination of Water and Waste Water as prepared and published jointly by the American Public Health Association, the American Waterworks Association, and the Water Pollution Control Federation. Also, tests may be in accordance with other acceptable methods which have proven to yield reliable data to the satisfaction of the Texas Department of Water Resources.

§333.20 (156.21.01.010). Comments.

(a) Inadequate data.

(1) The board reserves the right to amend these standards following the completion of extensive studies presently under way or being planned in the near future on some of the major river basins.

(2) Errors in these water quality standards resulting from clerical or human errors or erroneous data will be subject to correction by the board; and the discovery of such errors does not render the remaining or unaffected standards invalid.

(b) Estuarine salinity.

(1) It is recognized that the maintenance of proper salinity gradients during various periods of the year within estuarine waters is very important to the continuation of balanced and desirable populations of estuarine dependent marine life. The dominant force in determining salinity gradients is weather—although gradients can be affected by waste discharges; modifications in the flow regime of in-flow rivers and streams, by the construction of impoundments, water diversions, etc.; and by physical alterations of gulf passes and other interconnections between estuarine and gulf waters. Since the dominant force controlling salinity gradients is beyond control, meaningful salinity standards cannot be enforced. Careful considerations, however, will always be given to all activities of any nature which can or might detrimentally affect salinity gradients in estuarine waters.

(2) All phases of the natural mineral composition of estuarine and marine waters commonly known as salinity or salinity gradient are outside the scope of these standards but are not outside the scope of the interest, responsibility, and authority of the several state agencies concerned with water quality, quantity, development, regulations, and administration. For the state's purposes, using both existing data and data yet to be collected, the state proposes to adopt carefully considered estuarine salinity criteria upon which future state evaluations and regulatory actions might be based. Such evaluations and regulatory actions shall not be precluded because of the absence of established salinity standards.

§333.21 (156.21.01.011). Appendices A through C. The following appendices will be used for the purposes of the Surface Water Quality Standards (Appendix A—Texas Surface Water Quality Standards, Appendix B—Base Flow Conditions, Appendix C—Segment Descriptions).

(Editor's note: See Appendices A-C, pages 1119-1209.)

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For further information, please call (512) 475-6658.

APPENDIX A

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

CANADIAN RIVER BASIN		WATER USES DEEMED				CRITERIA						
SEGMENT NUMBER	SEGMENT DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
0101	Canadian River - Oklahoma to Lake Meredith (Sanford Dam)	X	X	X		1,000	600	3,500	5.0	6.5-9.0	200	95
0102	Lake Meredith	X	X	X	X	350	350	1,250	5.0	6.5-9.0	200	85
0103	Canadian River - Lake Meredith to New Mexico	X	X	X		900	500	2,500	5.0	6.5-9.0	200	95
0104	Wolf Creek	X	X	X		300	100	1,000	5.0	6.5-9.0	200	93
0105	Rita Blanca Lake	X	X	X	X	50	40	300	5.0	6.5-9.0	200	85

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

RED RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	SEGMENT DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM: FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
0201	Red River - Arkansas state line at Index to Oklahoma state line	X	X	X	X	375	250	1,100	5.0	6.5-9.0	200	93
0202	Red River - Oklahoma state line to Lake Texoma	X	X	X	X	375	250	1,100	5.0	6.5-9.0	200	93
0203	Lake Texoma	X	X	X	X	600	300	1,500	5.0	6.5-9.0	200	92
0204	Red River - Lake Texoma headwater to Wichita River confluence	X	X	X		2,000	1,200	6,000	5.0	6.5-9.0	200	93
0205	Red River - Wichita River confluence to Pease River confluence	X	X	X		5,000	2,000	10,000	5.0	6.5-9.0	200	93
0206	Red River - Pease River confluence to Prairie Dog Town Fork Red River	X	X	X		12,000	4,000	25,000	5.0	6.5-9.0	200	93
0207	Prairie Dog Town Fork Red River	X	X	X		30,000	4,500	65,000	5.0	6.5-9.0	200	93
0208	Lake Crook	X	X	X	X	75	150	350	5.0	6.5-9.0	200	90

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

RED RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	SEGMENT DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM: FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
0209	Pat Mayse Reservoir	X	X	X	X	100	175	350	5.0	6.5-9.0	200	90
0210	Farmers Creek Reservoir (Nocona Lake)	X	X	X	X	150	100	500	5.0	6.5-9.0	200	93
0211	Little Wichita River	X	X	X	X	250	50	500	5.0	6.5-9.0	200	91
0212	Lake Arrowhead	X	X	X	X	250	50	500	5.0	6.5-9.0	200	93
0213	Lake Kickapoo	X	X	X	X	100	50	400	5.0	6.5-9.0	200	90
0214	Wichita River - Red River confluence to Diversion Dam	X	X	X		1,800	800	5,000	5.0	6.5-9.0	200	90
0215	Diversion Lake	X	X	X		1,800	800	5,000	5.0	6.5-9.0	200	90
0216	Wichita River - Diversion Lake headwater to Lake Kemp Dam	X	X	X		1,800	800	5,000	5.0	6.5-9.0	200	90
0217	Lake Kemp	X	X	X		7,000	2,500	15,000	5.0	6.5-9.0	200	93

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

RED RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
0218	Wichita River - Lake Kemp headwater to river headwater, including North, Middle, and South Forks	X	X	X		7,000	3,500	15,000	5.0	6.5-9.0	200	93
0219	Lake Wichita	X	X	X		1,000	400	1,800	5.0	6.5-9.0	200	90
0220	Pease River - Red River confluence to North Fork Pease River headwater	X	X	X		12,000	3,500	30,000	5.0	6.5-9.0	200	91
0221	Pease River - Middle and South Forks Pease River from North Fork Pease River confluence to headwater	X	X	X		2,500	1,200	7,000	5.0	6.5-9.0	200	91
0222	Salt Fork Red River - Oklahoma to Greenbelt Reservoir Dam	X	X	X		400	1,400	3,000	5.0	6.5-9.0	200	93
0223	Greenbelt Reservoir	X	X	X	X	250	200	750	5.0	6.5-9.0	200	93
0224	North Fork Red River - Oklahoma to headwater	X	X	X		800	1,200	2,500	5.0	6.5-9.0	200	91
0225	McKinney Bayou		X	X	X	60	90	400	5.0	6.0-8.5	2,000	93

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

SULPHUR RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	SEGMENT DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM: FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
0301	Sulphur River - Arkansas to Lake Wright	X	X	X		120	100	500	5.0	6.0-8.5	200	90
0302	Lake Wright Patman	X	X	X	X	75	75	400	5.0	6.0-8.5	200	90
0303	Sulphur River - above Lake Wright Patman, including North, Middle and South Sulphur Rivers	X	X	X	X	100	100	500	5.0	6.0-8.5	200	93
0304	Days Creek - Arkansas State Line to headwaters		X	X		525	75	850	5.0	6.0-8.5	2,000	90

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

CYPRESS CREEK BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION											
0401	Caddo Lake - Lousiana State Line to Lake headwater	X	X	X	X	100	50	300	5.0	6.0-8.5	200	90
0402	Cypress Creek (also called Big Cypress Creek) - above Caddo Lake to Lake O' the Pines Dam	X	X	X	X	100	50	300	5.0	6.0-8.5	200	93
0403	Lake O' the Pines	X	X	X	X	80	50	300	5.0	6.0-8.5	200	93
0404	Cypress Creek - above Lake O' the Pines to Fort Sherman Dam		X	X	X	100	100	500	5.0	6.0-8.5	2,000	90
0405	Lake Cypress Springs	X	X	X	X	100	100	500	5.0	6.0-8.5	200	93
0406	Black Bayou		X	X	X	80	50	300	5.0	6.0-8.5	2,000	90
0407	James' (Jim's) Bayou		X	X	X	100	50	300	5.0	6.0-8.5	2,000	90

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

SABINE RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
0501	Sabine River Tidal	X	X	X					4.0	6.0-8.5	200	95
0502	Sabine River - Morgan's Bluff to Sabine River Authority pump station	X	X	X	X	120	60	500	5.0	6.0-8.5	200	90
0503	Sabine River - Sabine River Authority pump station to Toledo Bend Dam	X	X	X	X	120	60	500	5.0	6.0-8.5	200	91
0504	Toledo Bend Reservoir	X	X	X	X	120	60	500	5.0	6.0-8.5	200	93
0505	Sabine River - Toledo Bend headwater to US 271 near Gladewater		X	X	X	175	75	400	5.0	6.0-8.5	2,000	93
0506	Sabine River - US 271 near Gladewater to Lake Tawakoni	X	X	X	X	200	100	500	5.0	6.0-8.5	200	90
0507	Lake Tawakoni	X	X	X	X	75	50	200	5.0	6.0-8.5	200	93
0508	Adams Bayou Tidal		X	X					4.0	6.0-8.5	2,000	95
0509	Lake Murvaul	X	X	X	X	150	75	500	5.0	6.5-9.0	200	92
0510	Lake Cherokee	X	X	X	X	75	50	250	5.0	6.0-8.5	200	95
0511	Cow Bayou Tidal	X	X	X					4.0	6.0-8.5	200	95

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

NECHES RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	SEGMENT DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM: FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
0601	Neches River Tidal		X	X					2.5*	6.0-8.5	2,000	95
0602	Neches River - above tidal to Dam B	X	X	X	X	50	30	150	5.0	6.0-8.5	200	91
0603	B. A. Steinhagen Reservoir	X	X	X	X	50	30	150	5.0	6.0-8.5	200	93
0604	Neches River - Steinhagen Reservoir headwater to Blackburn Crossing Dam	X	X	X	X	50	30	150	5.0	6.0-8.5	200	91
0605	Lake Palestine	X	X	X	X	50	30	150	5.0	6.0-8.5	200	90
0606	Neches River - above Lake Palestine	X	X	X	X	50	30	150	5.0	6.0-8.5	200	95
0607	Pine Island Bayou	X	X	X	X	150	50	300	5.0	6.0-8.5	200	95
0608	Village Creek	X	X	X	X	150	75	300	5.0	6.0-8.5	200	90
0609	Angelina River - Steinhagen Reservoir confluence to Sam Rayburn Dam	X	X	X	X	70	40	250	5.0	6.0-8.5	200	90
0610	Sam Rayburn Reservoir	X	X	X	X	70	40	250	5.0	6.0-8.5	200	93

*Does not apply to flows less than 1,000 cfs

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

NECHES RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
0611	Angelina River - above Sam Rayburn Reservoir	X	X	X	X	125	40	250	5.0	6.0-8.5	200	90
0612	Attoyac Bayou	X	X	X	X	75	50	150	5.0	6.0-8.5	200	90
0613	Lake Tyler and Lake Tyler East	X	X	X	X	100	50	250	5.0	6.5-9.0	200	93
0614	Lake Jacksonville	X	X	X	X	50	75	750	5.0	6.5-9.0	200	93

TEXAS SURFACE WATER QUALITY STANDARDS

BAY & GULF WATERS

SABINE-NECHES ESTUARY		WATER USES DEEMED DESIRABLE			CRITERIA			
							COLIFORM	TEMP.
SEGMENT NUMBER	DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	TOTAL/ (100 ml) - median not more than (see Gen. Statement)	FALL, WINTER & SPRING not to exceed 4°F rise SUMMER not to exceed a 1.5°F rise
2411	Sabine Pass - U. S. Coast Guard Station to end of jetties	X	X	X	5.0	6.5-9.0	70	95
2412	Sabine Lake	X	X	X	4.0	6.5-9.0	70	95

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

NECHES-TRINITY COASTAL BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	SEGMENT DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM: FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
0701	Taylor Bayou - above tidal	X	X	X		100	75	600	5.0	6.5-9.0	200	95
0702	Intracoastal Waterway - Port Bolivar to Sabine-Neches Canal		X	X					4.0	6.5-9.0	2,000	95
0703	Sabine-Neches Canal - Stewt's Island to U. S. Coast Guard Station		X	X					4.0	6.5-9.0	2,000	95

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

TRINTY RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM: FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
0801	Trinty River Tidal	X	X	X					4.0	6.5-9.0	200	95
0802	Trinity River - Tidal to Livingston Dam	X	X	X	X	125	100	600	5.0	6.5-9.0	200	93
0803	Lake Livingston	X	X	X	X	150	50	500	5.0	6.5-9.0	200	93
0804	Trinity River - Lake Livingston headwater to SH 31 near Trinidad		X	X		150	150	600	5.0	6.5-9.0	2,000	93
0805	Trinity River - SH 31 near Trinidad to Beach Street bridge in Fort Worth		X*			175	175	850	3.0**	6.5-9.0	2,000	95
0806	West Fork Trinity River - Beach St. Bridge in Fort Worth to Lake Worth Dam	X	X	X	X	100	100	500	5.0	6.5-9.0	200	93
0807	Lake Worth	X	X	X	X	100	100	500	5.0	6.5-9.0	200	91
0808	West Fork Trinity River - Lake Worth headwater to Eagle Mountain Dam	X	X	X	X	100	100	500	5.0	6.5-9.0	200	91
0809	Eagle Mountain Reservoir	X	X	X	X	75	75	300	5.0	6.5-9.0	200	94

* Desired uses such as navigation, agricultural water supply and industrial water supply are applicable to this segment.

** "Does not apply when the headwater flow at U.S.G.S. gauge station 0804800 located at West Fork Trinity River at Fort Worth, Texas, is less than 80 cfs. In such cases, the dissolved oxygen standard shall be 1.0 mg/l. Application of diurnal variation of dissolved oxygen criteria noted in Section VII of these Standards is restricted to those incidences Segment 0805 where ambient dissolved oxygen levels are 2.0 mg/l or greater."

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

TRINITY RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM: FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
0810	West Fork Trinity River - Eagle Mountain Lake headwater to Bridgeport Dam	X	X	X	X	100	100	500	5.0	6.5-9.0	200	90
0811	Lake Bridgeport	X	X	X	X	75	75	300	5.0	6.5-9.0	200	90
0812	West Fork Trinity River - above Lake Bridgeport	X	X	X	X	100	100	500	5.0	6.5-9.0	200	90
0813	Houston County Lake	X	X	X	X	75	75	300	5.0	6.5-9.0	200	93
0814	Chambers-Richland Creek - Chambers Creek, and Richland Creek from Trinity River confluence to Chambers Creek confluence	X	X	X	X	100	100	500	5.0	6.5-9.0	200	90
0815	Bardwell Reservoir	X	X	X	X	50	50	300	5.0	6.5-9.0	200	91
0816	Lake Waxahachie	X	X	X	X	50	50	300	5.0	6.5-9.0	200	91
0817	Navarro Mills Reservoir	X	X	X	X	50	75	300	5.0	6.5-9.0	200	90
0818	Cedar Creek Reservoir	X	X	X	X	50	50	200	5.0	6.0-8.5	200	93

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

TRINITY RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	SEGMENT DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM: FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
0819	East Fork Trinity River - Trinity River confluence to Forney Dam		X	X	X	75	50	400	4.0*	6.5-9.0	2,000	91
0820	Lake Ray Hubbard	X	X	X	X	40	40	300	5.0	6.5-9.0	200	93
0821	Lake Lavon	X	X	X	X	40	40	300	5.0	6.5-9.0	200	93
0822	Elm Fork Trinity River - West Fork Trinity River confluence to Lewisville Dam	X	X	X	X	80	60	500	5.0	6.5-9.0	200	90
0823	Lake Lewisville (Garza-Little Elm Res.)	X	X	X	X	80	60	500	5.0	6.5-9.0	200	90
0824	Elm Fork Trinity River - above Lake Lewisville	X	X	X	X	80	60	500	5.0	6.5-9.0	200	90
0825	Denton Creek	X	X	X	X	80	60	500	5.0	6.5-9.0	200	90
0826	Grapevine Reservoir	X	X	X	X	80	60	500	5.0	6.5-9.0	200	93
0827	White Rock Lake	X	X	X	X	100	100	400	5.0	6.5-9.0	200	93
0828	Lake Arlington	X	X	X	X	100	100	300	5.0	6.5-9.0	200	95

*For this segment, the desired use "Propagation of Fish and Wildlife" is identified as that applicable to a modified warm water habitat.

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

TRINITY RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	SEGMENT DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
0829	Clear Fork Trinity River - West Fork Trinity River confluence to Benbrook Dam	X	X	X	X	100	100	500	5.0	6.5-9.0	200	93
0830	Benbrook Reservoir	X	X	X	X	75	75	300	5.0	6.5-9.0	200	93
0831	Clear Fork Trinity River - Benbrook Reservoir headwater to Weatherford Dam	X	X	X	X	100	100	500	5.0	6.5-9.0	200	90
0832	Lake Weatherford	X	X	X	X	100	100	500	5.0	6.5-9.0	200	93
0833	Clear Fork Trinity River - above Lake Weatherford	X	X	X	X	125	125	750	5.0	6.5-9.0	200	95
0834	Lake Amon G. Carter	X	X	X	X	150	150	400	5.0	6.5-9.0	200	93

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

TRINITY-SAN JACINTO COASTAL BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM: FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
0901	Cedar Bayou Tidal	X	X	X					4.0	6.5-9.0	200	95
0902	Cedar Bayou - above tidal		X	X	X	200	100	400	5.0	6.5-9.0	1,000	90

TEXAS SURFACE WATER QUALITY STANDARDS
BAY & GULF WATERS

TRINITY-SAN JACINTO ESTUARY		WATER USES DEEMED DESIRABLE			CRITERIA			
							COLIFORM	TEMP.
SEGMENT NUMBER	SEGMENT DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	TOTAL/ (100 ml) - median not more than (see Gen. Statement)	FALL, WINTER & SPRING not to exceed 4°F rise SUMMER not to exceed a 1.5°F rise
2421	Upper Galveston Bay	X	X	X	4.0	6.5-9.0	70	95
2422	Trinity Bay	X	X	X	4.0	6.5-9.0	70	95
2423	East Bay	X	X	X	4.0	6.5-9.0	70	95
2424	West Bay	X	X	X	4.0	6.5-9.0	70	95
2425	Clear Lake	X	X	X	4.0	6.5-9.0	200*	95
2426	Tabbs Bay	X	X	X	4.0	6.5-9.0	200*	95
2427	San Jacinto Bay	X	X	X	4.0	6.5-9.0	200*	95
2428	Black Duck Bay	X	X	X	4.0	6.5-9.0	200*	95
2429	Scott Bay	X	X	X	4.0	6.5-9.0	200*	95

* Contact recreation bacteriological standards apply - 200/100 ml fecal coliform.

TEXAS SURFACE WATER QUALITY STANDARDS

BAY & GULF WATERS

TRINITY-SAN JACINTO ESTUARY		WATER USES DEEMED DESIRABLE			CRITERIA			
							COLIFORM	TEMP.
SEGMENT NUMBER	DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	TOTAL/ (100 ml) - median not more than (see Gen. Statement)	FALL, WINTER & SPRING not to exceed 4°F rise SUMMER not to exceed a 1.5°F rise
2430	Burnett Bay	X	X	X	4.0	6.5-9.0	200*	95
2431	Moses Lake	X	X	X	4.0	6.5-9.0	200*	95
2432	Chocolate Bay	X	X	X	4.0	6.5-9.0	70	95
2433	Bastrop Bay - including Oyster Lake	X	X	X	4.0	6.5-9.0	70	95
2434	Christmas Bay	X	X	X	4.0	6.5-9.0	70	95
2435	Drum Bay	X	X	X	4.0	6.5-9.0	70	95
2436	Barbours Cut	X	X		4.0	6.5-9.0	200*	95
2437	Texas City Ship Channel		X		4.0	6.5-9.0	1,000**	95
2438	Bayport Channel		X		4.0	6.5-9.0	1,000**	95
2439	Lower Galveston Bay	X	X	X	4.0	6.5-9.0	70	95

* Contact recreation bacteriological standards apply - 200/100 ml fecal coliform

** Refers to Fecal Coliform count and not total coliform count

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

SAN JACINTO RIVER BASIN

SEGMENT NUMBER	SEGMENT DESCRIPTION	WATER USES DEEMED DESIRABLE: CONTACT RECREATION	WATER USES DEEMED DESIRABLE: NONCONTACT RECREATION	WATER USES DEEMED DESIRABLE: PROPAGATION OF FISH & WILDLIFE	WATER USES DEEMED DESIRABLE: DOMESTIC RAW WATER SUPPLY	CRITERIA: CHLORIDE (mg/l) avg. not to exceed	CRITERIA: SULFATE (mg/l) avg. not to exceed	CRITERIA: TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	CRITERIA: DISSOLVED OXYGEN (mg/l) not less than	CRITERIA: pH RANGE	CRITERIA: COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	CRITERIA: TEMPERATURE °F (see Gen. Statement)
1001	San Jacinto River Tidal - 200 yards below I.H. 10 Bridge to Lake Houston Dam	X	X	X					4.0	6.5-9.0	200	95
1002	Lake Houston	X	X	X	X	100	50	200	5.0	6.5-9.0	200	90
1003	East Fork San Jacinto River - above Lake Houston		X	X	X	80	40	400	5.0	6.0-8.5	2,000	91
1004	West Fork San Jacinto River - Lake Houston to Conroe Dam	X	X	X	X	80	40	300	5.0	6.5-9.0	200	95
1005	Houston Ship Channel - Morgan's Point to San Jacinto River confluence, including tidal portion of San Jacinto River to 200 yards below I.H. 10 Bridge		X	X					4.0	6.5-9.0	1,000	95
1006	Houston Ship Channel - San Jacinto River confluence to Turning Basin, including tidal portions of tributaries*								2.0	6.5-9.0	2,000	95
1007	Houston Ship Channel - Turning Basin*								1.5	6.5-9.0	2,000	95

* The toxicity clause applies to this segment in order to preserve segment 1005 and Galveston Bay, not this segment, as a fishery resource.

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

SAN JACINTO RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	SEGMENT DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM: FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
1008	Spring Creek		X	X	X	80	40	300	5.0	6.5-9.0	2,000	90
1009	Cypress Creek		X	X	X	80	40	300	5.0	6.5-9.0	2,000	90
1010	Caney Creek	X	X	X	X	50	40	300	5.0	6.0-8.5	200	90
1011	Peach Creek	X	X	X	X	50	40	200	5.0	6.0-8.5	200	90
1012	Lake Conroe	X	X	X	X	50	40	200	5.0	6.5-9.0	200	90

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

SAN JACINTO-BRAZOS COASTAL BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION											
1101	Clear Creek Tidal		X	X					4.0	6.5-9.0	2,000	95
1102	Clear Creek - above Tidal		X	X		200	100	600	5.0	6.5-9.0	2,000	95
1103	Dickinson Bayou Tidal	X	X	X					4.0	6.5-9.0	200	95
1104	Dickinson Bayou - above Tidal		X	X		200	100	600	5.0	6.5-9.0	2,000	90
1105	Bastrop Bayou Tidal	X	X	X					4.0	6.5-9.0	200	95
1106	Bastrop Bayou - above Tidal		X	X	X	100	50	500	5.0	6.5-9.0	2,000	90
1107	Chocolate Bayou Tidal	X	X	X					4.0	6.5-9.0	200	95
1108	Chocolate Bayou - above Tidal		X	X		150	50	600	5.0	6.5-9.0	1,000	90
1109	Oyster Creek Tidal		X	X					4.0	6.5-9.0	1,000	95
1110	Oyster Creek - above tidal to Brazos River Authority Diversion dam south of Sugar Land		X	X		300	150	750	5.0	6.5-9.0	2,000	90
1111	Old Brazos River Channel	X	X						4.0	6.5-9.0	200	95

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

SAN JACINTO-BRAZOS COASTAL BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM: FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
1112	Oyster Creek - Brazos River Authority Diversion dam south of Sugar Land to headwaters	X	X	X	X	300	150	750	5.0	6.5-9.0	200	95
1113	Armand Bayou Tidal	X	X	X					4.0	6.5-9.0	200	95

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

BRAZOS RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	SEGMENT DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM: FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
1201	Brazos River Tidal	x	x	x					4.0	6.5-9.0	200	95
1202	Brazos River - above tidal to Navasota River confluence	X	X	X	X	300	200	750	5.0	6.5-9.0	200	95
1203	Whitney Reservoir	X	X	X		600	300	1,500	5.0	6.5-9.0	200	93
1204	Brazos River - Whitney Reservoir headwater to de Cordova Bend Dam	X	X	X		600	300	1,600	5.0	6.5-9.0	200	91
1205	Lake Granbury	X	X	X		1,000	600	2,500	5.0	6.5-9.0	200	93
1206	Brazos River - Lake Granbury headwater to Possum Kingdom Reservoir (Morris Sheppard Dam)	X	X	X		600	300	1,600	6.0	6.5-9.0	200	90
1207	Possum Kingdom Reservoir	X	X	X		1,200	500	3,500	5.0	6.5-9.0	200	93
1208	Brazos River - Possum Kingdom headwater to Salt Fork Brazos River confluence	X	X	X		5,000	2,000	12,000	5.0	6.5-9.0	200	95
1209	Navasota River - Brazos River confluence to Lake Mexia	X	X	X	X	100	50	400	5.0	6.5-9.0	200	93

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

BRAZOS RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM: FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
1210	Lake Mexia	X	X	X	X	100	50	400	5.0	6.5-9.0	200	90
1211	Yegua Creek - Brazos River confluence to Somerville Reservoir	X	X	X	X	75	75	250	5.0	6.5-9.0	200	91
1212	Somerville Reservoir	X	X	X	X	75	75	250	5.0	6.5-9.0	200	93
1213	Little River - Brazos River confluence to confluence of Leon and Lampasas Rivers	X	X	X	X	75	75	400	5.0	6.5-9.0	200	90
1214	San Gabriel River - Little River confluence to headwater	X	X	X	X	50	50	400	5.0	6.5-9.0	200	91
1215	Lampasas River - Little River confluence to Stillhouse Hollow Dam	X	X	X	X	100	75	500	5.0	6.5-9.0	200	91
1216	Stillhouse Hollow Reservoir	X	X	X	X	100	75	500	5.0	6.5-9.0	200	93
1217	Lampasas River - Headwater of Stillhouse Hollow Reservoir to Lampasas River headwater	X	X	X		200	100	700	5.0	6.5-9.0	200	91

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

BRAZOS RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
1218	Nolan Creek - Leon River confluence to headwater		X	X	X	100	75	500	5.0	6.5-9.0	2,000	93
1219	Leon River - Little River confluence to Belton Reservoir Dam	X	X	X	X	150	75	500	5.0	6.5-9.0	200	91
1220	Belton Reservoir	X	X	X	X	100	75	500	5.0	6.5-9.0	200	93
1221	Leon River - Belton Reservoir headwater to Lake Proctor Dam	X	X	X	X	150	75	500	5.0	6.5-9.0	200	90
1222	Lake Proctor	X	X	X	X	200	75	500	5.0	6.5-9.0	200	93
1223	Leon River - Lake Proctor headwater to Leon Reservoir Dam	X	X	X	X	150	75	500	5.0	6.5-9.0	200	93
1224	Leon Reservoir	X	X	X	X	150	75	500	5.0	6.5-9.0	200	93
1225	Lake Waco	X	X	X	X	60	60	400	5.0	6.5-9.0	200	93

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

BRAZOS RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	SEGMENT DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM: FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
1226	Bosque River - Lake Waco headwater to Bosque River headwater, including North, Middle, and South Forks	X	X	X		250	150	800	5.0	6.5-9.0	200	91
1227	Nolands River - Whitney Reservoir to Pat Cleburne Dam		X	X		75	75	500	5.0	6.5-9.0	2,000	95
1228	Lake Pat Cleburne	X	X	X	X	100	100	300	5.0	6.5-9.0	200	93
1229	Paluxy River	X	X	X	X	100	100	450	5.0	6.5-9.0	200	91
1230	Lake Palo Pinto	X	X	X	X	100	100	450	5.0	6.5-9.0	200	93
1231	Lake Graham	X	X	X	X	200	75	500	5.0	6.5-9.0	200	95
1232	Clear Fork Brazos River	X	X	X		800	800	3,000	5.0	6.5-9.0	200	93
1233	Hubbard Creek Reservoir	X	X	X	X	350	75	750	5.0	6.5-9.0	200	93
1234	Lake Cisco	X	X	X	X	75	75	350	5.0	6.5-9.0	200	93

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

BRAZOS RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	SEGMENT DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
1235	Lake Stamford	X	X	X	X	425	350	1,100	5.0	6.5-9.0	200	93
1236	Lake Fort Phantom Hill	X	X	X	X	200	100	600	5.0	6.5-9.0	200	93
1237	Lake Sweetwater	X	X	X	X	175	225	500	5.0	6.5-9.0	200	93
1238	Salt Fork of Brazos River	X	X	X		23,000	4,000	40,000	5.0	6.5-9.0	200	93
1239	White River - Salt Fork Brazos River confluence to White River dam	X	X	X	X	100	100	500	5.0	6.5-9.0	200	92
1240	White River Lake	X	X	X	X	150	100	450	5.0	6.5-9.0	200	89
1241	Double Mountain Fork Brazos River - Salt Fork Brazos River confluence to North Fork Double Mountain Fork Brazos River confluence	X	X	X		2,100	1,900	5,500	5.0	6.5-9.0	200	95
1242	Brazos River - Navasota River confluence to Whitney Dam	X	X	X	X	400	250	1,650	5.0	6.5-9.0	200	95
1243	Salado Creek-Lampasas River confluence to headwaters	X	X	X	X	50	50	300	5.0	6.5-9.0	200	90
1244	Brushy Creek - San Gabriel River confluence to headwaters		X	X	X	125	150	600	5.0	6.5-9.0	1,000	91

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

BRAZOS-COLORADO COASTAL BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	SEGMENT DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
1301	San Bernard River Tidal	X	X	X					4.0	6.5-9.0	200	95
1302	San Bernard River - above tidal	X	X	X	X	100	50	500	5.0	6.5-9.0	200	90
1303	Cedar Lakes *	X	X	X					4.0	6.5-9.0	*	95
1304	Caney Creek Tidal	X	X	X					4.0	6.5-9.0	200	95
1305	Caney Creek - above tidal		X	X		200	75	1,000	5.0	6.5-9.0	2,000	90

* Shellfish sanitation bacteriological standards apply - 70/100 ml total coliform

TEXAS SURFACE WATER QUALITY STANDARDS

BAY & GULF WATERS

EAST MATAGORDA ESTUARY

SEGMENT NUMBER	SEGMENT DESCRIPTION	WATER USES DEEMED DESIRABLE	CRITERIA	
2441	East Matagorda Bay	X	CONTACT RECREATION	
		X	NONCONTACT RECREATION	
		X	PROPAGATION OF FISH & WILDLIFE	
		5.0	DISSOLVED OXYGEN (mg/l) not less than	
		6.5-9.0	pH RANGE	
		70	TOTAL/ (100 ml) - median not more than (see Gen. Statement)	COLIFORM
		95	FALL, WINTER & SPRING not to exceed 4°F rise SUMMER not to exceed a 1.5°F rise	TEMP.

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

COLORADO RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	SEGMENT DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM: FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
1401	Colorado River Tidal	X	X	X					4.0	6.5-9.0	200	95
1402	Colorado River - above tidal to Tom Miller Dam, including Town Lake	X	X	X	X	100	75	500	5.0	6.5-9.0	200	95
1403	Lake Austin	X	X	X	X	100	75	400	5.0	6.5-9.0	200	90
1404	Lake Travis	X	X	X	X	100	75	400	5.0	6.5-9.0	200	90
1405	Lake Marble Falls	X	X	X	X	100	75	400	5.0	6.5-9.0	200	94
1406	Lake Lyndon B. Johnson	X	X	X	X	100	75	400	5.0	6.5-9.0	200	94
1407	Inks Lake	X	X	X	X	100	75	400	5.0	6.5-9.0	200	90
1408	Lake Buchanan	X	X	X	X	100	75	400	5.0	6.5-9.0	200	90
1409	Colorado River - Lake Buchanan headwater to San Saba River confluence	X	X	X	X	200	200	500	5.0	6.5-9.0	200	91

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

COLORADO RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
1410	Colorado River - San Saba River confluence to Concho River confluence	X	X	X	X	450	450	1,500	5.0	6.5-9.0	200	91
1411	E. V. Spence Reservoir	X	X	X	X	950	450	1,500	5.0	6.5-9.0	200	93
1412	Colorado River - FM 2059 near Silver to Lake J. B. Thomas (Colorado River Dam)	X	X	X		11,000	2,500	20,000	5.0	6.5-9.0	200	93
1413	Lake J. B. Thomas	X	X	X	X	50	60	500	5.0	6.5-9.0	200	90
1414	Pedernales River	X	X	X	X	80	50	500	5.0	6.5-9.0	200	91
1415	Llano River	X	X	X	X	50	50	300	5.0	6.5-9.0	200	91
1416	San Saba River	X	X	X	X	80	50	500	5.0	6.5-9.0	200	90
1417	Pecan Bayou - Colorado River confluence to Lake Brownwood Dam		X	X	X	250	200	1,000	5.0	6.5-9.0	1,000	90
1418	Lake Brownwood	X	X	X	X	150	100	500	5.0	6.5-9.0	200	90

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

COLORADO RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM: FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION											
1419	Lake Coleman	X	X	X	X	150	100	500	5.0	6.5-9.0	200	93
1420	Pecan Bayou - above Lake Brownwood	X	X	X		500	500	1,500	5.0	6.5-9.0	200	90
1421	Concho River - Colorado River confluence to Fork in San Angelo, including South Fork to Lake Nasworthy Dam and North Fork to San Angelo Reservoir Dam	X	X	X	X	600	500	2,000	5.0	6.5-9.0	200	90
1422	Lake Nasworthy	X	X	X		450	400	1,500	5.0	6.5-9.0	200	93
1423	Twin Buttes Reservoir	X	X	X	X	150	150	700	5.0	6.5-9.0	200	90
1424	South and Middle Concho Rivers and Spring Creek - above Twin Buttes Reservoir	X	X	X	X	150	150	700	5.0	6.5-9.0	200	90
1425	O. C. Fisher Reservoir	X	X	X	X	150	150	700	5.0	6.5-9.0	200	90
1426	Colorado River - Concho River confluence to E. V. Spence Reservoir (Robert E. Lee Dam)	X	X	X	X	425	750	1,400	5.0	6.5-9.0	200	91

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

COLORADO RIVER BASIN

SEGMENT NUMBER	SEGMENT DESCRIPTION	WATER USES DEEMED DESIRABLE	CRITERIA
1427	Onion Creek - Colorado River confluence to headwaters		
		X	CONTACT RECREATION
		X	NONCONTACT RECREATION
		X	PROPAGATION OF FISH & WILDLIFE
		X	DOMESTIC RAW WATER SUPPLY
			50 CHLORIDE (mg/l) avg. not to exceed
			50 SULFATE (mg/l) avg. not to exceed
			300 TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed
			5.0 DISSOLVED OXYGEN (mg/l) not less than
			6.5-9.0 pH RANGE
			200 FECAL/ (100ml) - log. avg. not more than (see Gen. Statement) COLIFORM
			90 TEMPERATURE °F (see Gen. Statement)

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

COLORADO-LAVACA COASTAL BASIN

SEGMENT NUMBER	SEGMENT DESCRIPTION	WATER USES DEEMED DESIRABLE: CONTACT RECREATION	WATER USES DEEMED DESIRABLE: NONCONTACT RECREATION	WATER USES DEEMED DESIRABLE: PROPAGATION OF FISH & WILDLIFE	WATER USES DEEMED DESIRABLE: DOMESTIC RAW WATER SUPPLY	CRITERIA: CHLORIDE (mg/l) avg. not to exceed	CRITERIA: SULFATE (mg/l) avg. not to exceed	CRITERIA: TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	CRITERIA: DISSOLVED OXYGEN (mg/l) not less than	CRITERIA: pH RANGE	CRITERIA: COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	CRITERIA: TEMPERATURE °F (see Gen. Statement)
1501	Tres Palacios Creek Tidal	X	X	X					5.0	6.5-9.0	200	95
1502	Tres Palacios Creek - above tidal	X	X	X		250	100	600	5.0	6.5-9.0	200	90

TEXAS SURFACE WATER QUALITY STANDARDS.
BAY & GULF WATERS

LAVACA-TRES PALACIOS ESTUARY		WATER USES DEEMED DESIRABLE			CRITERIA			
							COLIFORM	TEMP.
SEGMENT NUMBER	SEGMENT DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	TOTAL/ (100 ml) - median not more than (see Gen. Statement)	FALL, WINTER & SPRING not to exceed 4°F rise SUMMER not to exceed a 1.5°F rise
2451	Matagorda Bay - including Powderhorn Lake and Turtle Bay	X	X	X	5.0	6.5-9.0	70	95
2452	Tres Palacios Bay	X	X	X	5.0	6.5-9.0	70	95
2453	Lavaca Bay - including Chocolate Bay	X	X	X	5.0	6.5-9.0	70	95
2454	Cox Bay	X	X	X	5.0	6.5-9.0	70	95
2455	Keller Bay	X	X	X	5.0	6.5-9.0	70	95
2456	Carancahua Bay	X	X	X	5.0	6.5-9.0	70	95

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

LAVACA RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM: FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
1601	Lavaca River Tidal	X	X	X					4.0	6.5-9.0	200	95
1602	Lavaca River - above tidal to headwater	X	X	X	X	150	75	500	5.0	6.5-9.0	200	91
1603	Navidad River - Lavaca River confluence to headwater	X	X	X	X	150	75	500	5.0	6.5-9.0	200	91

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

LAVACA-GUADALUPE COASTAL BASIN

SEGMENT NUMBER	SEGMENT DESCRIPTION	WATER USES DEEMED DESIRABLE	CRITERIA
1701	Victoria Barge Canal - San Antonio Bay to Victoria Turning Basin	CONTACT RECREATION	
		NONCONTACT RECREATION	X
		PROPAGATION OF FISH & WILDLIFE	X
		DOMESTIC RAW WATER SUPPLY	
		CHLORIDE (mg/l) avg. not to exceed	
		SULFATE (mg/l) avg. not to exceed	
		TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	
		DISSOLVED OXYGEN (mg/l) not less than	4.0
		pH RANGE	6.5-9.0
		FECAL/ (100ml) - log. avg. not more than (see Gen. Statement) [COLIFORM]	2,000
		TEMPERATURE °F (see Gen. Statement)	95

TEXAS SURFACE WATER QUALTIY STANDARDS
FRESH AND TIDAL WATERS

GUADALUPE RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	SEGMENT DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM: FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
1801	Guadalupe River Tidal - Guadalupe Bay to Guadalupe-Blanco River Authority salt water barrier	X	X	X					5.0	6.5-9.0	200	95
1802	Guadalupe River - Guadalupe River Authority salt water barrier to San Antonio River confluence	X	X	X	X	100	80	500	5.0	6.5-9.0	200	90
1803	Guadalupe River - San Antonio River confluence to San Marcos River confluence	X	X	X	X	100	50	400	5.0	6.5-9.0	200	93
1804	Guadalupe River - San Marcos River confluence to Comal River confluence	X	X	X	X	80	50	400	5.0	6.5-9.0	200	90
1812*	Guadalupe River - Comal River confluence to Canyon Dam	X	X	X	X	40	40	400	6.0	6.5-9.0	200	90
1805	Canyon Lake	X	X	X	X	40	40	400	5.0	6.5-9.0	200	90

* "This segment has been established in its geographical extent as that portion of the stream which is capable of recharging the Edwards Aquifer, and the Water Quality Standards for it have as a principal purpose the protection of the quality of of the water infiltrating into, and therefore recharging, the aquifer."

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

GUADALUPE RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	SEGMENT DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM: FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
1806	Guadalupe River - Canyon Lake headwater to headwater of river	X	X	X	X	40	40	400	5.0	6.5-9.0	200	90
1807	Coleto Creek - Guadalupe River confluence to headwaters	X	X	X	X	250	100	500	5.0	6.5-9.0	200	93
1808	San Marcos River - Guadalupe River confluence to headwater	X	X	X	X	60	50	400	5.0	6.5-9.0	200	90
1809	Blanco River - San Marcos River confluence to Limekiln Road Ford west of Kyle	X	X	X	X	40	50	400	5.0	6.5-9.0	200	92
1813*	Blanco River - Limekiln Road Ford west of Kyle to headwaters	X	X	X	X	25	30	400	5.0	6.5-9.0	200	92
1810	Plum Creek - San Marcos River confluence to headwater		X	X		350	150	1,120	5.0	6.5-9.0	2,000	90

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TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

GUADALUPE RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	SEGMENT DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
1811	Comal River - Guadalupe River confluence to headwater	X	X	X	X	25	30	400	5.0	6.5-9.0	200	90

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

SAN ANTONIO RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
1901	San Antonio River - Guadalupe River confluence to headwater	*	X	X	X	200	150	700	5.0	6.5-9.0	2,000	90
1902	Cibolo Creek - San Antonio River confluence to MoPac R. R. Bridge West of Bracken		X	X	X	200	300	900	5.0	6.5-9.0	2,000	90
1908**	Cibolo Creek - MoPac R.R. Bridge West of Bracken to headwaters	X	X	X	X	40	75	400	5.0	6.5-9.0	200	90
1903	Medina River - San Antonio River confluence to USGS-TDWR Station 08180500	X	X	X	X	120	120	700	5.0	6.5-9.0	200	90
1909**	Medina River - USGS-TDWR Station 08180500 to Medina Lake Dam	X	X	X	X	50	75	400	5.0	6.5-9.0	200	90.
1904	Medina Lake	X	X	X	X	50	75	400	5.0	6.5-9.0	200	88

* Not presently suitable, however, upon completion of proposed facilities, the quality will be improved

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TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

SAN ANTONIO RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	SEGMENT DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
1905	Medina River - Medina Lake headwater to Medina River headwater	X	X	X	X	40	100	400	5.0	6.5-9.0	200	88
1906	Leon Creek - Medina River confluence to SH 16 northwest of Leon Valley	X	X	X	X	120	120	700	5.0	6.5-9.0	200	95
1907*	Leon Creek - SH 16 northwest of Leon Valley to headwaters	X	X	X	X	40	75	400	5.0	6.5-9.0	200	95
1910	Salado Creek - San Antonio River confluence to headwaters		X	X	X	50	200	550	5.0	6.5-9.0	2,000	90

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TEXAS SURFACE WATER QUALITY STANDARDS

BAY & GULF WATERS

SEGMENT NUMBER	SEGMENT DESCRIPTION	WATER USES DEEMED DESIRABLE: CONTACT RECREATION	WATER USES DEEMED DESIRABLE: NONCONTACT RECREATION	WATER USES DEEMED DESIRABLE: PROPAGATION OF FISH & WILDLIFE	CRITERIA: DISSOLVED OXYGEN (mg/l) not less than	CRITERIA: pH RANGE	CRITERIA: COLIFORM TOTAL/ (100 ml) - median not more than (see Gen. Statement)	CRITERIA: TEMP. FALL, WINTER & SPRING not to exceed 4°F rise; SUMMER not to exceed a 1.5°F rise
	GUADALUPE ESTUARY							
2461	Espiritu Santo Bay - Saluria to Steamboat Pass	X	X	X	5.0	6.5-9.0	70	95
2462	San Antonio Bay including Hynes Bay and Guadalupe Bay	X	X	X	5.0	6.5-9.0	70	95
2463	Mesquite Bay	X	X	X	5.0	6.5-9.0	70	95

TEXAS SURFACE WATER QUALITY STANDARDS

BAY & GULF WATERS

MISSION-ARANSAS ESTUARY		WATER USES DEEMED DESIRABLE			CRITERIA			
							COLIFORM	TEMP.
SEGMENT NUMBER	SEGMENT DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	TOTAL/ (100 ml) - median not more than (see Gen. Statement)	FALL, WINTER & SPRING not to exceed 4°F rise SUMMER not to exceed a 1.5°F rise
2471	Aransas Bay	X	X	X	5.0	6.5-9.0	70	95
2472	Copano Bay including Port Bay	X	X	X	5.0	6.5-9.0	70	95
2473	St. Charles Bay	X	X	X	5.0	6.5-9.0	70	95

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

SAN ANTONIO-NUECES COASTAL BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
2001	Mission River Tidal	X	X	X					4.0	6.5-9.0	200	95
2002	Mission River - above tidal*	X	X	X		1,500	100	2,250	5.0	6.5-9.0	200	95
2003	Aransas River Tidal	X	X	X					4.0	6.5-9.0	200	95
2004	Aransas River - above tidal	X	X	X		300	50	600	5.0	6.5-9.0	200	95

* High chlorides are due to residual brines; river quality is improving and adjustments to quality criteria will be made as the river is upgraded.

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

NUECES RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	SEGMENT DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
2101	Nueces River Tidal - Nueces Bay to salt water barrier	X	X	X					5.0	6.5-9.0	200	95
2102	Nueces River - Salt water barrier west of US 77 near Calallen to Wesley Seale Dam	X	X	X	X	250	250	500	5.0	6.5-9.0	200	91
2103	Lake Corpus Christi	X	X	X	X	250	250	500	5.0	6.5-9.0	200	93
2104	Nueces River - Lake Corpus Christi headwater to Holland Dam southeast of Cotulla	X	X	X		700	300	1,500	5.0	6.5-9.0	200	90
2105	Nueces River - Holland Dam southeast of Cotulla to FM 1025 south of Uvalde	X	X	X	X	200	200	900	5.0	6.5-9.0	200	90
2112*	Nueces River - FM 1025 south of Uvalde to headwater	X	X	X	X	40	40	300	5.0	6.5-9.0	200	90

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TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

NUECES RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
2106	Frio River - Nueces River confluence to US 90 west of Knippa	X	X	X	X	650	500	2,000	5.0	6.5-9.0	200	90
2113*	Frio River - US 90 west of Knippa to headwater	X	X	X	X	25	30	300	5.0	6.5-9.0	200	90
2107	Atascosa River - Frio River confluence to headwater	X	X	X		600	500	1,500	5.0	6.5-9.0	200	90
2108	San Miguel Creek - Frio River confluence to headwater	X	X	X		700	700	2,000	5.0	6.5-9.0	200	95
2109	Leona River - Frio River confluence to headwater	X	X	X		650	500	2,000	5.0	6.5-9.0	200	90
2110	Sabinal River - Frio River confluence to SH 127	X	X	X	X	200	75	700	5.0	6.5-9.0	200	90

* "This segment has been established in its geographical extent as that portion of the stream which is capable of recharging the Edwards Aquifer, and the Water Quality Standards for it have as a principal purpose the protection of the quality of the water infiltrating into, and therefore recharging, the aquifer."

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

NUECES RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	SEGMENT DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM: FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
2111*	Sabinal River - SH 127 to headwaters	X	X	X	X	40	75	500	5.0	6.5-9.0	200	90
2114	Hondo Creek - Frio River confluence to headwaters	X	X	X	X	50	50	270	5.0	6.5-9.0	200	90
2115	Seco Creek - Hondo Creek confluence to headwaters	X	X	X	X	50	60	260	5.0	6.5-9.0	200	90

* "This segment has been established in its geographical extent as that portion of the stream which is capable of recharging the Edwards Aquifer, and the Water Quality Standards for it have as a principal purpose the protection of the quality of the water infiltrating into, and therefore recharging, the aquifer."

TEXAS SURFACE WATER QUALITY STANDARDS

BAY & GULF WATERS

NUECES ESTUARY		WATER USES DEEMED DESIRABLE			CRITERIA			
							COLIFORM	TEMP.
SEGMENT NUMBER	DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DISSOLVED OXYGEN (mg/1) not less than	pH RANGE	TOTAL/ (100 ml) - median not more than (see Gen. Statement)	FALL, WINTER & SPRING not to exceed 4°F rise SUMMER not to exceed a 1.5°F rise
2481	Corpus Christi Bay	X	X	X	5.0	6.5-9.0	70	95
2482	Nueces Bay	X	X	X	5.0	6.5-9.0	70	95
2483	Redfish Bay	X	X	X	5.0	6.5-9.0	70	95
2484	Corpus Christi Inner Harbor - US 181 bridge to Viola Turning Basin		X	X	3.0	6.5-9.0	1,000	95
2485	Oso Bay	X	X	X	5.0	6.5-9.0	70	95

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

NUECES-RIO GRANDE COASTAL BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM: FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION											
2201	Arroyo Colorado		X	X					4.0	6.5-9.0	2,000	95

TEXAS SURFACE WATER QUALITY STANDARDS

BAY & GULF WATERS

LAGUNA MADRE ESTUARY		WATER USES DEEMED DESIRABLE			CRITERIA			
							COLIFORM	TEMP.
SEGMENT NUMBER	DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	TOTAL/ (100 ml) - median not more than (see Gen. Statement)	FALL, WINTER & SPRING not to exceed 4°F rise SUMMER not to exceed a 1.5°F rise
2491	Laguna Madre	X	X	X	5.0	6.5-9.0	70	95
2492	Baffin Bay	X	X	X	4.0	6.5-9.0	70	95
2493	South Bay	X	X	X	5.0	6.5-9.0	70	95
2494	Brownsville Ship Channel		X	X	5.0	6.5-9.0	1,000	95

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

RIO GRANDE BASIN*		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM: FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION											
2301	Rio Grande Tidal		X	X					5.0	6.5-9.0	1,000	95
2302	Rio Grande - Tidal to Falcon Dam	X	X	X	X	270	350	880	5.0	6.5-9.0	200	90
2303	Falcon Lake	X	X	X	X	200	250	700	5.0	6.5-9.0	200	93
2304	Rio Grande - Falcon Lake headwater to Amistad Dam	X	X	X	X	200	300	1,000	5.0	6.5-9.0	200	95
2305	Amistad Reservoir	X	X	X	X	150	250	500	5.0	6.5-9.0	200	88
2306	Rio Grande - Amistad Reservoir headwater to Rio Conchos (Mexico) confluence near Presidio	X	X	X	X	200	500	1,200	5.0	6.5-9.0	200	93
2307	Rio Grande - Rio Conchos (Mexico) confluence near Presidio to Riverside Diversion Dam	X	X	X	X	300	550	1,500	5.0	6.5-9.0	200	93

* Since the Rio Grande is an international river, the State will make every effort to improve and/or maintain the quality. However, it must be understood that the State only has jurisdiction on the Texas side of the river.

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

RIO GRANDE BASIN*		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	SEGMENT DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
2308	Rio Grande - Riverside Diversion Dam to New Mexico		X	X	X	500	700	1,800	5.0	6.5-9.0	2,000	95
2309	Devils River - Amistad Reservoir headwater to river headwater	X	X	X	X	20	20	300	6.0	6.5-9.0	200	90
2310	Pecos River - Amistad Reservoir headwater to county road low water crossing near Pandale	X	X	X	X	1,000	500	3,000	5.0	6.5-9.0	200	92
2311	Pecos River - County road low water crossing near Pandale to Red Bluff Dam	X	X	X		7,000	3,500	15,000	5.0	6.5-9.0	200	92
2312	Red Bluff Reservoir	X	X	X		6,000	3,500	15,000	5.0	6.5-9.0	200	90

* Since the Rio Grande is an international river, the State will make every effort to improve and/or maintain the quality. However, it must be understood that the State only has jurisdiction on the Texas side of the river.

TEXAS SURFACE WATER QUALITY STANDARDS

BAY & GULF WATERS

GULF OF MEXICO

SEGMENT NUMBER	SEGMENT DESCRIPTION	WATER USES DEEMED DESIRABLE: CONTACT RECREATION	WATER USES DEEMED DESIRABLE: NONCONTACT RECREATION	WATER USES DEEMED DESIRABLE: PROPAGATION OF FISH & WILDLIFE	CRITERIA: DISSOLVED OXYGEN (mg/l) not less than	CRITERIA: pH RANGE	CRITERIA: COLIFORM: TOTAL/ (100 ml) - median not more than (see Gen. Statement)	CRITERIA: TEMP.: FALL, WINTER & SPRING not to exceed 4°F rise SUMMER not to exceed a 1.5°F rise
2501	Gulf of Mexico - beginning at Gulf shoreline and extending to the limit of Texas' jurisdiction, from Sabine Pass to Brazos Santiago Pass	X	X	X	5.0	6.5-9.0	70	95

APPENDIX B
Base Flow Conditions

The base flow value listed for each station represents the calculated seven-day two-year low flow value. The seven-day two-year low flow is the minimal seven-day average flow that could be expected to recur with a frequency of once every two-years. The calculated values were based on stream discharge data taken from United States Geological Survey Gauging Stations for the period of record at the existing hydrological conditions.

Where USGS Stream Gauging Stations were not present, the base flow values were estimated by using data from nearby stations with similar hydrological characteristics or from the best information available.

BASE FLOW CONDITIONS
FOR EACH
MONITORING STATION

Segment Number	Station Number	Base Flow (cfs)
0101	0101.0100	0.1
	0101.0200	0.1
	0101.0300	0.1
0103	0103.0100	0.9
	0103.0200	0.1
0104	0104.0100	0.2
0201	0201.0100	2337.1
	0201.0200	1892.0
0202	0202.0100	1890.0
	0202.0200	1097.4
0204	0204.0100	162.1
	0204.0200	113.9
0205	0205.0100	11.7
0206	0206.0100	0.1
0207	0207.0100	0.3
0211	0211.0100	0.1
0214	0214.0100	66.3
	0214.0200	35.2
0216	0216.0100	2.8
0218	0218.0100	0.1
	0218.0200	0.1
	0218.0300	0.1
0220	0220.0050	0.1
	0220.0100	0.1
	0220.0200	0.1
	0220.0300	0.1
0221	0221.0100	0.1

BASE FLOW CONDITIONS
FOR EACH
MONITORING STATION
(CONT.)

Segment Number	Station Number	Base Flow (cfs)
0222	0222.0100	2.7
0224	0224.0100	0.1
	0224.0200	0.1
0225	0225.0100	0.1
0301	0301.0100	10.0
0303	0303.0100	1.1
	0303.0200	0.8
	0303.0300	0.1
	0303.0400	0.1
	0303.0500	0.1
0304	0300.0100	0.1
0402	0402.0100	29.0
0404	0404.0100	3.3
0406	0406.0100	0.1
0407	0407.0100	0.1
0502	0502.0200	850.0
0503	0503.0100	668.9
	0503.0200	387.1
	0503.0300	158.3
0505	0505.0100	41.0
	0505.0200	35.7
	0505.0300	34.0
	0505.0400	32.0
	0505.0500	28.0
0506	0506.0100	27.4
	0506.0200	18.5
0602	0602.0100	348.0
	0602.0200	131.1
0604	0604.0100	53.7
	0604.0200	33.2
	0604.0300	26.0
	0604.0500	21.2
	0604.0600	20.0

BASE FLOW CONDITIONS FOR EACH MONITORING STATION (CONT.)

Segment Number	Station Number	Base Flow (cfs)
0606	0606.0200	16.0
0607	0607.0100	100.0
0608	0608.0100	80.0
0609	0609.0100	50.0
0611	0611.0100	45.3
0612	0612.0100	17.7
0701	0701.0100	38.4
0802	0802.0100	781.4
	0802.0200	543.8
0804	0804.0300	495.8
	0804.0400	449.8
	0804.0500	431.0
	0804.0600	416.4
0805	0805.0100	381.7
	0805.0200	362.7
	0805.0300	343.7
	0805.0400	147.6
	0805.0500	75.0
	0805.0600	26.0
	0805.0700	4.5
0806	0806.0100	4.5
	0806.0200	3.0
0808	0808.0100	0.5
0810	0810.0100	2.6
0812	0812.0100	0.1
0814	0814.0100	0.1
	0814.0200	0.1
0819	0819.0100	23.3
0822	0822.0100	34.0
	0822.0200	18.0

BASE FLOW CONDITIONS
FOR EACH
MONITORING STATION
(CONT.)

Segment Number	Station Number	Base Flow (cfs)
0824	0824.0100	1.4
0825	0825.0100	5.3
0829	0829.0100	0.1
0831	0831.0100	0.1
0833	0833.0100	0.1
0902	0902.0100	1.1
1003	1003.0100	9.9
1004	1004.0100	27.6
1008	1008.0025	10.0
	1008.0100	7.9
1009	1009.0050	0.2
	1009.0100	0.2
	1009.0200	0.2
	1009.0300	0.1
1010	1010.0100	9.7
1011	1011.0100	7.2
1102	1102.0050	1.5
	1102.0100	1.0
	1102.0200	0.2
	1102.0300	0.1
1104	1104.0100	1.5
1106	1106.0150	0.1
1108	1108.0100	2.0
1110	1110.0100	29.1
1112	1110.0100	29.1
1202	1202.0100	839.1

BASE FLOW CONDITIONS FOR EACH MONITORING STATION (CONT.)

Segment Number	Station Number	Base Flow (cfs)
1204	1204.0100	11.8
1206	1206.0100	34.0
	1206.0300	32.4
1208	1208.0100	3.8
	1208.0200	1.8
	1208.0300	0.1
1209	1209.0100	1.5
	1209.0200	1.3
	1209.0300	0.1
1211	1211.0100	0.1
1213	1213.0100	54.8
1214	1214.0100	4.0
	1214.0200	2.1
	1214.0300	1.1
1215	1215.0100	4.2
1217	1217.0100	30.3
1218	1218.0100	32.0
	1218.0200	17.7
1219	1219.0100	47.0
	1219.0200	54.4
1221	1221.0100	2.2
	1221.0300	0.1
1223	1223.0100	0.1
1226	1226.0100	1.4
	1226.0150	0.1
	1226.0300	0.1
	1226.0400	0.1
	1226.0500	0.1
1227	1227.0100	0.1

BASE FLOW CONDITIONS
FOR EACH
MONITORING STATION
(CONT.)

Segment Number	Station Number	Base Flow (cfs)
1229	1229.0100	1.2
1232	1232.0150	0.1
	1232.0200	0.1
	1232.0300	0.1
	1232.0400	0.1
	1232.0450	0.1
1238	1238.0200	0.1
	1238.0300	0.1
	1238.0400	0.1
1239	1239.0100	0.1
1241	1241.0100	0.1
1242	1242.0200	566.1
	1242.0300	461.8
	1242.0400	356.9
	1242.0500	178.2
	1242.0600	128.6
	1242.0700	112.0
1243	1200.2500	25.0
1244	1200.1300	5.1
1302	1302.0100	8.7
1305	1305.0750	10.0
1402	1402.0100	393.2
	1402.0200	290.7
	1402.0300	261.8
	1402.0400	232.7
	1402.0500	203.7
	1402.0600	139.3
	1402.0700	74.8
1409	1409.0100	27.1
1410	1410.0100	1.1
	1410.0125	0.6
	1410.0300	0.3
1412	1412.0100	0.1
	1412.0200	0.1

BASE FLOW CONDITIONS
FOR EACH
MONITORING STATION
(CONT.)

Segment Number	Station Number	Base Flow (cfs)
1414	1414.0100	3.3
	1414.0200	0.5
1415	1415.0100	30.7
	1415.0200	23.4
1416	1416.0100	25.8
	1416.0200	1.6
1417	1417.0100	2.2
	1417.0200	0.1
1420	1420.0100	0.1
1421	1421.0100	0.1
	1421.0200	0.1
	1421.0300	0.1
1424	1424.0100	4.1
	1424.0200	0.1
	1400.0300	0.1
1426	1426.0100	0.3
1427	1427.0100	1.5
1502	1502.0100	50.0
1602	1602.0100	12.5
	1602.0200	0.6
1603	1603.0100	7.9
	1603.0200	3.7
1802	1802.0100	662.0
1803	1803.0100	564.8
	1803.0200	542.7
1804	1804.0100	385.14
1806	1806.0200	22.2
	1806.0300	25.1
1807	1807.0100	10.0
	1807.0200	7.0

BASE FLOW CONDITIONS
FOR EACH
MONITORING STATION
(CONT.)

Segment Number	Station Number	Base Flow (cfs)
1808	1808.0100	152.0
	1808.0200	150.0
	1808.0300	149.0
1809	1809.0100	10.9
1810	1810.0100	1.6
1811	1811.0100	253.8
1812	1812.0100	65.6
1813	1813.0200	14.8
1901	1901.0100	120.1
	1901.0200	100.0
	1901.0300	80.3
1902	1902.0100	9.8
	1902.0250	0.6
1903	1903.0100	34.8
	1903.0200	44.2
1905	1905.0100	6.6
	1905.0200	2.1
1906	1906.0100	10.0
1907	1907.0100	0.1
1908	1908.0100	0.1
1909	1909.0100	14.8
1910	1900.0100	8.5
	1900.0170	0.1
2002	2002.0100	2.4
2004	2004.0100	5.0
2102	2102.0100	48.4
2104	2104.0100	0.3
	2104.0200	0.1
	2104.0300	0.1

BASE FLOW CONDITIONS
FOR EACH
MONITORING STATION
(CONT.)

Segment Number	Station Number	Base Flow (cfs)
2105	2105.0505	0.1
	2105.0100	0.1
2106	2106.0150	0.1
	2106.0200	0.1
2107	2107.0100	0.5
	2107.0200	0.1
2108	2108.0100	0.1
2109	2109.0100	0.1
	2109.0200	0.1
2110	2110.0100	0.1
2111	2111.0100	0.1
2112	2112.0100	3.0
	2112.0200	6.3
	2112.0300	23.6
2113	2113.0100	22.9
2114	2114.0100	0.1
2115	2115.0100	0.1
2302	2302.0100	2.1
	2302.0150	28.2
	2302.0200	35.3
	2302.0250	26.0
	2302.0300	18.0
2304	2304.0050	233.0
	2304.0075	233.0
	2304.0100	233.0
	2304.0150	187.0
	2304.0200	187.0
	2304.0250	142.0
	2304.0300	48.4

BASE FLOW CONDITIONS
FOR EACH
MONITORING STATION
(CONT.)

Segment Number	Station Number	Base Flow (cfs)
2306	2306.0100	287.0
	2306.0130	198.0
	2306.0160	108.0
	2306.0250	74.3
	2306.0300	40.7
2307	2307.0050	0.1
2308	2308.0100	0.1
	2308.0200	0.1
2309	2309.0100	116.0
2310	2310.0100	58.0
2311	2311.0100	39.3
	2311.0200	9.9
	2311.0300	4.8

APPENDIX C

Segment Descriptions

SEGMENT	DESCRIPTION
0101	Canadian River - Oklahoma to Lake Meredith (Sanford Dam)
0102	Lake Meredith - from Sanford Dam to the 2940' contour line 7.3 miles south of the Moore-Potter County line and 7.1 miles west of State Highway 136 in Potter County. Impounds Canadian River.
0103	Canadian River - Lake Meredith headwater at the 2940' contour line 7.3 miles south of the Moore-Potter County line and 7.1 miles west of State Highway 136 in Potter County to New Mexico.
0104	Wolf Creek from the Texas-Oklahoma border to headwaters @ 3,000' contour line approximately 3.9 miles due West of SH 70 and approximately 15.8 miles east of Spearman in Ochiltree County (Spearman in Hansford County).
0105	Rita Blanca Lake - from Rita Blanca Dam to the 3860' contour line .4 mile downstream from US 54 in Hartley County. Impounds Rita Blanca Creek.
0201	Red River - Arkansas State Line at Index to Oklahoma State Line.
0202	Red River - Oklahoma State Line to Lake Texoma
0203	Lake Texoma - from Denison Dam to the 640' contour line 1.3 miles west of FM 371, 8.6 miles north of US 82 and 7.0 miles downstream from IH 35 in Cooke County. Impounds Red River.
0204	Red River - Lake Texoma headwater at the 640' contour line 1.3 miles west of FM 371, 8.6 miles north of US 82 and 7.0 miles downstream from IH 35 in Cooke County to Wichita River confluence.
0205	Red River - Wichita River confluence to Pease River confluence.
0206	Red River - Pease River confluence to Prairie Dog Town Fork Red River confluence.
0207	Prairie Dog Town Fork of the Red River from confluence of Red River to Lake Tanglewood Dam in Randall County; approximately 10.4 miles northeast of Canyon.
0208	Lake Crook - from Crook Dam to the 476' contour line .8 mile downstream from FM 79 in Lamar County. Impounds Pine Creek.

SEGMENT DESCRIPTIONS (CONT.)

SEGMENT	DESCRIPTION
0209	Lake Pat Mayse - from Pat Mayse Dam to the 451' contour line approximately 350 yards below FM 1499 in Lamar County. Impounds Sanders Creek.
0210	Farmers Creek Reservoir (Lake Nocona) - from Farmers Creek Dam to the 827' contour line 2.8 miles downstream from FM 1956 in Montague County. Impounds Farmers Creek.
0211	Little Wichita River from confluence of Red River to Lake Arrowhead Dam
0212	Lake Arrowhead - from Lake Arrowhead Dam to US 281 in Archer County. Impounds Little Wichita River.
0213	Lake Kickapoo - from Kickapoo Dam to the 1045' contour line 4.5 miles north of FM 422, 7.5 miles south of US 82-277, and 4.1 miles east of the Archer-Baylor County line in Archer County. Impounds North Fork of Little Wichita River.
0214	Wichita River - Red River confluence to Diversion Dam
0215	Diversion Lake - From Diversion Dam to a point 1.0 mile downstream from the confluence with Cottonwood Creek in Baylor County. Impounds Wichita River.
0216	Wichita River - Diversion Lake headwater at a point 1 mile downstream from the confluence with Cottonwood Creek in Baylor County to Lake Kemp Dam.
0217	Lake Kemp - from Lake Kemp Dam to a point at the 1145' contour line 1.8 miles upstream from the confluence with Crooked Creek, 1.5 miles north of FM 1919 in Baylor County. Impounds Wichita River.
0218	Wichita River - Lake Kemp headwater at a point at the 1145' contour line 1.8 miles upstream from the confluence with Crooked Creek, 1.5 miles north of FM 1919 in Baylor County to River headwater, including North, Middle, and South Forks. North Fork ends at a point 5.9 miles south of Motley-Dickens County line and 2.2 miles west of Hwy 193 in Dickens County. Middle Fork ends at a point 1.1 miles east of US 83 and 4.5 miles south of Cottle-King County line in King County. South Fork ends at a point .9 mile northeast of FM 2941 and 4.4 miles south of FM 193 in Dickens County.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
0219	Lake Wichita from the Wichita Dam to the 980' contour line approximately 350 yards upstream from the FM 2650 Bridge and .4 mile south of the Archer-Wichita County line in Archer County. Impounds Holiday Creek.
0220	Pease River from Red River confluence to headwaters in Floyd County @ the 2850' contour line; approximately 1.4 miles west of the Floyd-Motley County line; approximately 15.2 miles south of Floyd-Briscoe County line; approximately 18.2 miles north of Crosby-Floyd County line.
0221	Pease River-Middle and South Forks Pease River from North Fork Pease River confluence to the headwater (of the Middle Pease) 3.5 miles east of the Floyd-Motley County line at the 2600' contour level, 15.2 miles north of the Motley-Dickens County line, and 18 miles south of the Briscoe-Motley County line.
0222	Salt Fork Red River - Oklahoma to Greenbelt Reservoir Dam.
0223	Greenbelt Lake - from Greenbelt Dam to the confluence with Allen Creek 3.5 miles west of SH 70 and 4.4 miles north of US 287 in Donley County. Impounds Salt Fork of Red River.
0224	North Fork Red River from Texas - Oklahoma State Line to headwaters in Gray County approximately 1 mile east of Carson-Gray County line and approximately 1.4 miles west of State Farm-Market Route 2300 @ the 3260' contour line; 15.4 miles south of Gray-Roberts County line.
0225	McKinney Bayou from Arkansas State Line to a point approximately 1 mile north of Ranch Road 1398 and approximately 1.1 miles East of 94° 15' longitude in Bowie County.
0301	Sulphur River - Arkansas to Lake Wright Patman Dam.
0302	Lake Wright Patman - from Wright Patman to 94° 30' west longitude on the Cass-Bowie County line approximately 2.4 miles south of Simms, Texas. Impounds Sulphur River.
0303	Sulphur River above Lake Wright Patman including North, Middle, and South Sulphur Rivers. North Fork ends at 650' contour line approximately 3.7 miles west of SH 68 and 2.0 miles north of SH 1281 in Fannin County, approximately 2.8 miles Southwest of Gober, Texas. South Fork ends at a point approximately .4 mile East of SH 1553.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
0304	Day's Creek from Arkansas State Line in Bowie County to headwaters.
0401	Caddo Lake - from the Texas-Louisiana Border to a point approximately .4 miles upstream from the confluence with Kitchen Creek, 3.2 miles west of the Texas-Louisiana Border on the Harrison-Marion County Line. Impounds Cypress Bayou (lake impounded by Caddo Dam in Louisiana).
0402	Cypress Creek (Also called Big Cypress Creek) above Caddo Lake (at a point approximately .4 mile upstream from the confluence of Kitchen Creek, 3.2 miles West of the Texas-Louisiana Border, and 2.1 miles NNW of the Northern most point of Pine Island Bayou) to Lake O' the Pines Dam.
0403	Lake O' the Pines - from Ferrell's bridge Dam to .7 miles downstream from the US 259 bridge on the Upshur-Morris County line. Impounds Cypress Creek.
0404	Cypress Creek above Lake O' the Pines (at a point .7 mile downstream from US 259 Bridge on the Upshur-Morris County line and .3 mile South of the Camp-Upshur County line at its point of confluence with Big Cypress Creek) to Franklin County Dam.
0405	Cypress Springs Lake - from Franklin County Dam to SH 37 (385' contour line) in Franklin County. Impounds Big Cypress Creek.
0406	Black Bayou from Texas-Louisiana State Line to the confluence of Kite and Butler Creeks in Cass County .6 mile North of SH 2791 and 3.9 miles West of SH 59.
0407	James' (Jim's) Bayou from Texas-Louisiana State Line to a point 1.8 miles West of SH 8 and 11 miles South of SH 77 in Cass County.
0501	Sabine River Tidal from the mouth of Sabine River at the northernmost point of Sabine Island .4 mile upstream from the confluence of Black Bayou and 5.0 miles east of SH 87 in Orange County to Morgan's Bluff 2.6 miles east of SH 87 and 2.4 miles south of the Newton-Orange County Line in Orange County.

SEGMENT DESCRIPTIONS
(CONT.)

DESCRIPTION
Sabine River - Morgan's Bluff 2.6 miles east of SH 87 and 2.4 miles south of the Newton-Orange County line to the Sabine River Authority Pump Station 3.2 miles upstream from Morgan's Bluff and .9 mile south of the Newton-Orange County line in Orange County.
Sabine River - Sabine River Authority Pump Station 3.2 miles upstream from Morgan's Bluff to Toledo Bend Dam.
Toledo Bend Reservoir - from Toledo Bend Dam to a point 3.5 miles downstream from FM 2517 in Panola County. Impounds Sabine River.
Sabine River - Toledo Bend headwater 3.5 miles downstream from FM 2517 in Panola County to US 271 - 1.3 miles southwest of Gladewater in Gregg County.
Sabine River - US 271, 1.3 miles southeast of Gladewater in Gregg County to Lake Tawakoni.
Lake Tawakoni - from the Iron Bridge Dam to the 440' contour lines on the South Fork and Cowleech Fork of the Sabine River and Caddo Creek.
Adams Bayou Tidal from the confluence with the Sabine River 1.7 miles downstream from the FM 1006 Bridge near Orange in Orange County to a point .7 miles upstream from the IH 10 Bridge in Orange County.
Murvaul Lake - from Murvaul Dam to a point 2.8 miles south of SH 315 and 4.8 miles east of the Rusk - Panola County line in Panola County. Impounds Murvaul Bayou.
Cherokee Lake - from Cherokee Dam to a point .9 mile downstream from SH 322 in Rusk County. Impounds Cherokee Bayou.
Cow Bayou Tidal from the Sabine River confluence to IH 10 in Orange County.
Neches River Tidal - from 1.5 miles downstream of SH 87 (Rainbow) Bridge in Jefferson County to the temporary salt water barrier 7.0 miles upstream from the IH 10 Bridge in Orange County.
Neches River above Tidal - from the temporary salt water barrier 7.0 miles upstream from the IH 35 Bridge in Orange County to Town Bluff Dam (Dam B) in Jasper County.

SEGMENT DESCRIPTIONS (CONT.)

SEGMENT	DESCRIPTION
0603	B. A. Steinhagen Lake - from Town Bluff Dam (Dam B) to the headwaters on the Neches River 6.2 miles upstream from US 190 on the Jasper-Tyler County line (measured at the Neches River channel), and to its headwaters on the Angelina River approximately 5.3 miles downstream from the Bevilport townsite in Jasper County. Impounds Neches and Angelina Rivers.
0604	Neches River - Steinhagen Reservoir headwater 6.2 miles upstream from US 190 on the Jasper-Tyler County line (measured at river channel) to Blackburn Crossing Dam.
0605	Lake Palestine - from Blackburn Crossing Dam to the headwaters .9 mile upstream from SH 31 on the Henderson-Smith County line. Impounds Neches River.
0606	Neches River above Lake Palestine (.9 mile upstream from SH 31 Bridge at the Smith-Henderson County line) to Ryan's Lake Dam.
0607	Pine Island Bayou from the confluence of Pine Island Bayou and the Neches River to a point 1.8 miles south of Fuqua and 1.7 miles west of Liberty-Hardin County line in Liberty County.
0608	Village Creek from its confluence with Neches River and Jasper/Orange/Hardin County line to Kimble Lake Dam in Wildwood Resort City approximately 3.6 miles west of Village Mills in Hardin County.
0609	Angelina River from Steinhagen Reservoir confluence (approximately 5.3 miles downstream from the Bevilport town site in Jasper County) to Sam Rayburn Dam.
0610	Sam Rayburn Reservoir - from Sam Rayburn Dam to the headwater at the 164' contour line 1.5 miles downstream from the confluence of Papermill Stream with the Angelina River in Angelina County. Impounds Angelina River.
0611	Angelina River above Sam Rayburn Reservoir to the confluence of Scooba Creek and Shawnee Creek with the Angelina River 3.4 miles west of intersection of FM 225 and 1798 in Laneville and .4 mile north of FM 1798 in Rusk County.
0612	Attoyac Bayou from a point 1.7 miles east of FM 95, .1 mile west of FM 1196, and 4.5 miles north of US 103 on the Nacogdoches-San Augustine County line and end 3 miles east southeast of the intersection of Hwy 95 and 315 and 2.6 miles north of US Hwy 84 in Rusk County.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
0613	Lake Tyler - from Whitehouse and Mud Creek Dams to a point 1.6 miles downstream from SH 64 in Smith County. Portion of the Lake formerly known as Lake Tyler East ends .7 mile east of FM 2607 and 1.4 miles north of SH 64 in Smith County. Impounds Whitehouse and Mud Creeks.
0614	Lake Jacksonville - from Buckner Dam (Gum Creek) to a point approximately .2 mile downstream from US 79 in Cherokee County. Impounds Gum Creek.
0701	Taylor Bayou above Tidal - from the salt water lock and gate structure 5.75 miles downstream from the SH 73 bridge in Jefferson County to the LNVA Channel in Jefferson County 0.8 mile west of FM 1406 and 4 miles north of Jefferson-Chambers County line.
0702	Intracoastal Waterway - Port Bolivar to Sabine-Neches Canal from the SH 87 bridge across the Intracoastal Canal in Port Arthur to the confluence of Houston Ship Channel .8 mile east of the end of SH 87 at the ferry landing on Bolivar Peninsula.
0703	Sabine-Neches Canal - south tip of Pleasure Island to 1.5 miles downstream from the SH 87 (Rainbow) bridge and .2 mile west of Stewt's Island.
0801	Trinity River Tidal from the confluence of Trinity River and Anahuac Channel in Chambers County at Anahuac to a point 1.9 miles downstream from US 90 bridge at Liberty which is the confluence of the Trinity River and Liberty Barge Canal in Liberty County.
0802	Trinity River from the end of tidal zone (Segment 0801) to Livingston Dam.
0803	Lake Livingston - from Livingston Dam to a point 1.1 miles downstream from the confluence with Boggy Creek and 1.1 miles downstream from confluence with Lower Keechi Creek in Leon County. Impounds Trinity River.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
0804	Trinity River - Lake Livingston headwater 1.1 miles upstream from the confluence of Boggy Creek and 1.1 miles downstream from confluence of Lower Keechi Creek in Leon County to SH 31 2.0 miles East of Trinidad.
0805	Trinity River - SH 31 2.0 miles West of Trinidad to Beach Street Bridge in Fort Worth.
0806	West Fork Trinity River - Beach Street Bridge in Fort Worth to Lake Worth Dam.
0807	Lake Worth - from Lake Worth Dam to a point 1 mile downstream from Eagle Mountain Dam. Impounds West Fork Trinity River.
0808	West Fork Trinity River - Lake Worth headwater 1 mile downstream from Eagle Mountain Dam to Eagle Mountain Dam.
0809	Eagle Mountain Reservoir - from Eagle Mountain Dam to the 650' contour line 2.1 miles west of FM 718, .6 mile east of FM 730 and 3.1 miles south southeast of intersection of SH 114 and 730 in Boyd, Texas in Wise County, Impounds West Fork Trinity River.
0810	West Fork Trinity River - Eagle Mountain Lake headwater at the 650 ft. contour line 2.1 miles west of FM 718, .6 mile east of FM 730 and 3.1 miles south southeast of intersection of SH 114 and 730 in Boyd, Texas in Wise County to Bridgeport Dam.
0811	Lake Bridgeport - from Bridgeport Dam to the confluence of Bear Hollow (Davis Hollow) 8.5 miles west of the Jack-Wise County line. Impounds West Fork Trinity River.
0812	West Fork Trinity River above Lake Bridgeport at the confluence of Bear Hollow (Davis Hollow) 8.5 miles west of the Jack-Wise County line to a point .1 mile north of SH 79, 1.3 miles north of the Archer-Young County line, approximately 2.6 miles west of the FM 2178, and .2 mile south of the 33° 25' latitude in Archer County.
0813	Lake Houston County - from Houston County Dam to a point 3.2 miles south of FM 227 and 3.9 west of US 287 in Houston County. Impounds Elkhart Creek.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
0814	Chambers-Richland Creek from confluence with Trinity River (including Richland Creek from confluence with Chambers to confluence with Trinity in Freestone County) to the conservation dam on the South Fork 2.4 miles west of the intersection of FM 110 and 916, 1.0 mile south of FM 110, and 1.2 miles north of FM 916 in Johnson County.
0815	Lake Bardwell - from Bardwell Dam to the 420' contour line 1.6 miles south of US 287, 2.5 miles north of FM 984 and 5.1 miles west of SH 34 in Ellis County. Impounds Waxahachie Creek.
0816	Lake Waxahachie - from South Prong Dam to Waxahachie City Boundary .1 mile east of IH 35 east in Ellis County. Impounds South Prong Creek.
0817	Lake Navarro Mills - from Navarro Mills Dam to a point 1.1 miles east of the Hill-Navarro County line and 1.5 miles southwest of the intersection of FM 639 and FM 744 in Emmett, and .5 mile south of FM 744, Navarro County. Impounds Richland Creek.
0818	Cedar Creek Reservoir - from Joe B. Hogsett Dam to the 322' contour line .3 mile north of US 175, 1.4 mile south of FM 1391 and 2.8 miles east southeast of the intersection of FM 1391 and US 175 in Kemp-Kaufman County. Impounds Cedar Creek.
0819	East Fork Trinity River - Trinity River confluence to Rockwall-Forney Dam.
0820	Lake Ray Hubbard (formerly Forney Reservoir) - from Rockwall - Forney Dam to SH 78, .6 mile downstream from Lavon Dam in Collin County. Impounds East Fork Trinity River.
0821	Lake Lavon - from Lavon Dam to the 475' contour line (spillway crest of the dam) .7 mile downstream from US 380 on the Pilot Grove Creek Arm in Collin County. Impounds East Fork Trinity River.
0822	Elm Fork Trinity River - West Fork Trinity River confluence to Lewisville Dam.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
0823	Lake Lewisville (called also Lake Dallas and Garza Little Elm) - from Lewisville Dam to a point on the Elm Fork .9 mile south of US 380 and 3.7 miles east of SH 288 in Denton County. Impounds Elm Fork and Trinity River.
0824	Elm Fork Trinity River above Lake Lewisville at a point .9 mile south of US 380 and 3.7 miles east of SH 288 in Denton County to a point .6 mile south of US 82, .9 mile north of SH 59 and 2.1 miles west northwest of the intersection of US 82 and 677 in Saint Jo, Montague County.
0825	Denton Creek from Grapevine Dam to Elm Fork confluence.
0826	Lake Grapevine - from Grapevine Dam to the 540' contour line 3 miles upstream (.9 mile west) from US 377 in Denton County. Impounds Denton Creek.
0827	White Rock Lake - from White Rock Dam to the 460' contour line .04 mile east of Abram Road and 1.2 miles north of Loop 12 (northwest Highway) in Dallas. Impounds White Rock Creek.
0828	Lake Arlington - from Arlington Dam to a point .02 mile upstream from US 287 in Tarrant County. Impounds Village Creek.
0829	Clear Fork Trinity River - West Fork Trinity River confluence to Benbrook Dam.
0830	Lake Benbrook - from Benbrook Dam to a point .1 mile downstream from US 377 across the Clear Fork of the Trinity River in Tarrant County. Impounds Clear Fork Trinity River.
0831	Clear Fork Trinity River - Benbrook Reservoir headwater .1 mile downstream from US 377 Bridge across the Clear Fork in Tarrant County to Weatherford Dam.
0832	Lake Weatherford - from Weatherford Dam to a point 1.9 miles upstream from FM 1707 Bridge across Lake Weatherford in Parker County. Impounds Clear Fork Trinity River.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
0833	Clear Fork Trinity River - above Lake Weatherford 1.9 miles upstream from FM 1707 Bridge across Lake Weatherford to a point .7 mile south of FM 3107, 4.4 miles east of 98° longitude, .6 mile south southeast of Lone Star Church, and .03 mile east of Lone Star Church County Road, Parker County Texas.
0834	Lake Amon G. Carter - from Amon G. Carter Dam to a point 2.8 miles east of the Clay-Montague County line and 4.3 miles north of the Montague-Jack County line in Montague County. Impounds Big Sandy Creek.
0901	Cedar Bayou tidal from a point 0.7 mile downstream from Tri-City Beach Road drawbridge on the Harris-Chambers County line to a point 1.4 miles upstream from the IH 10 Bridge.
0902	Cedar Bayou - above tidal from approximately 100 yards north of IH 10 Bridge in Chambers County to a point 2.5 miles east of the Harris/Liberty County line, 2.4 miles north of FM 1960, 1.4 miles west of 95° longitude at a point where Cedar Bayou divides in Liberty County.
1001	San Jacinto River Tidal - from approximately 200 yards below IH-10 in Harris County to Lake Houston Dam.
1002	Lake Houston - from Lake Houston Dam to a point in Montgomery County on the West Fork of the San Jacinto at the 45' contour line 3.0 miles upstream from US 59 Bridge (Bridge in Harris County). Impounds San Jacinto River.
1003	East Fork San Jacinto River - above Lake Houston from a point 4.4 miles downstream from Houston City Boundary at Lake Houston, .5 mile east of the end of Dunnam Road and 2.7 miles south of the Harris/Montgomery County line, .4 mile southeast of Champion Rod and Gun Club Roads and end at a dam .2 mile east of SH 405, .1 mile northeast of the Dodge Jr. High School, 1.6 miles north of US 190 in Walker County.
1004	West Fork San Jacinto River - from Lake Houston at a point in Montgomery County 3.0 miles upstream from the US 59 Bridge (in Harris County) to Conroe Dam.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
1005	Houston Ship Channel from Morgan's Point Channel light .4 mile north of the Harris-Chambers County line to a point in mid-channel due north of the SH 134 ferry landing at San Jacinto confluence and including the tidal portion of the San Jacinto River to approximately 200 yards below IH 10 Bridge.
1006	Houston Ship Channel - San Jacinto River confluence at a point in mid-channel due north of the south ferry landing on SH 134 to the Turning Basin at a point in mid-channel approximately 200 yards northeast of the end of 75th Street in Houston and including tidal portions of tributaries.
1007	Houston Ship Channel-Turning Basin from end of Segment 1006.
1008	Spring Creek from confluence with Lake Houston (West Fork San Jacinto River) .6 mile upstream from US 59 Bridge to a point 4.2 miles west of State Hwy 362 and 4.1 miles south of Grimes-Waller County line.
1009	Cypress Creek - from the confluence with Spring Creek in Harris County to the confluence of Snake Creek and Mound Creek .5 mile west of the Harris-Waller County line and 4.0 miles east of FM 362 in Waller County.
1010	Caney Creek - Lake Houston headwater 1.2 miles upstream from the Montgomery-Harris County line in Harris County to a point .7 mile east of SH 758 2.2 miles northeast of the intersection of FM 1375 and US 75 in New Waverly, Walker County.
1011	Peach Creek from the confluence of Caney Creek .7 mile west northwest of Montgomery-Harris County line in Montgomery County to a point approximately .1 mile wast of Walker-San Jacinto County and approximately .1 mile north of SH 150 near the community of Old Waverly.
1012	Lake Conroe - from Dam to .4 mile downstream from the confluence of West Sandy Creek in Walker County. Impounds West Fork San Jacinto River.
1101	Clear Creek tidal from its confluence with Clear Lake to the FM 528 Bridge in Harris and Galveston Counties.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTIONS
1102	Clear Creek above tidal from the FM 2351 Bridge in Harris County to the confluence with the American Canal 1.2 miles south of FM 2234 and 2.6 miles west of SH 288 in Fort Bend County.
1103	Dickinson Bayou Tidal from a point 1.3 miles downstream from SH 146 Bridge on Dickinson Bayou to a point 2.5 miles upstream from Arcadia Cemetery Road, 3.7 miles west of FM 646 and .7 mile south of FM 517 in Galveston County.
1104	Dickinson Bayou - above Tidal from the end of Segment 1103 to a point .6 mile west of SH 35, approximately 70 yards south of the American Canal Levee, and 3.2 miles north of the intersection of 2nd Street and Sealy Street in Alvin, Brazoria County.
1105	Bastrop Bayou Tidal - from a point .7 mile downstream (east) of mid-channel of the Intracoastal Waterway to a point 2.0 miles upstream from FM 1495.
1106	Bastrop Bayou - above tidal from the end of Segment 1105 to a point 2.4 miles south of SH 35, 1.7 miles west of SH 288 at a point where Bastrop Bayou enters a canal, 2.8 miles SW of the intersection of Velasco and W. Mulberry Streets in Angelton, Brazoria County.
1107	Chocolate Bayou Tidal from a point .3 mile downstream from FM 2004 Bridge at Chocolate Bayou in Brazoria County to a point 2.6 bayou miles downstream from SH 35 Bridge in Brazoria County.
1108	Chocolate Bayou - above tidal from the end of Segment 1107 to a point 1.3 miles north of SH 6 and 4.1 miles east of the Fort Bend-Brazoria County line in Brazoria County.
1109	Oyster Creek Tidal from the confluence of Oyster Creek and the Intracoastal Waterway 1.7 miles above SH 332 Bridge in Brazoria County to a point approximately 100 yards upstream from FM 2004 Bridge in Brazoria County.
1110	Oyster Creek above tidal from the end of Segment 1109 to the Brazos River Authority diversion dam (.6 mile upstream from SH 6).

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
1111	Old Brazos River Channel from confluence of the Intracoastal Waterway .4 mile inland from the Coast Guard Station at Surfside in Brazoria in Brazoria County to a point approximately .4 mile east of SH 288.
1112	Oyster Creek from the Brazos River Authority diversion dam (.6 mile upstream from SH 6) to the headwaters.
1113	Armand Bayou Tidal - from its confluence with Clear Lake to a point 0.5 miles downstream from Red Bluff - Genoa Road in Harris County.
1201	Brazos River Tidal from the mouth of the Brazos River 6.0 miles downstream from the SH 36 Bridge in Brazoria County to the SH 332 Bridge ac Brazoria, Texas in Brazoria County.
1202	Brazos River above tidal from the end of Segment 1201 to the Navasota River confluence.
1203	Lake Whitney - from Whitney Dam to the 530' contour line 1.7 miles east of FM 56 and 5.3 miles south of FM 200 on the Johnson-Bosque County line (6.9 miles downstream from the convergence of the Bosque, Somervell, and Jo-nson County lines).
1204	Brazos River - Whitney Reservoir headwater at the 530' contour line 6.9 miles downstream from the intersection of the Bosque-Somervell-Johnson County lines, 1.7 miles east of FM 56 and 5.3 miles south of FM 200 to the DeCordova Bend Dam in Hood County.
1205	Lake Granbury - from DeCordova Bend Dam to the headwater at the 693' contour line 3.3 miles upstream from Snachez Creek confluence and 1.2 miles north of the Parker-Hood County line in Parker County. Impounds Brazos River.
1206	Brazos River - Lake Granbury headwater at the 693' contour line 3.3 miles upstream from the Sanchez Creek confluence and 1.2 miles north of the Parker-Hood County line in Parker County to Morris Sheppard Dam in Palo Pinto County.
1207	Possum Kingdom Reservoir from Morris Sheppard Dam to a point at the 33° latitude, 3.2 miles north of the Young-Palo Pinto County line and 2.3 miles east of FM 1287 in Young County. Impounds Brazos River.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
1208	Brazos River - Possum Kingdom headwater at 33° latitude, 3.2 miles north of the Young-Palo Pinto County line and 2.3 miles east of FM 1287 in Young County to the confluence of Salt Fork of the Brazos River and the Double Mountain Fork of the Brazos River in Stonewall County.
1209	Navasota River - from the Brazos River confluence to Bistone Dam (Lake Mexia).
1210	Lake Mexia from Bistone Dam to the 450' contour line .8 mile upstream from US 84 in Limestone County. Impounds Navasota River.
1211	Yegua Creek from the confluence with the Brazos River to Somerville Dam.
1212	Lake Somerville from Somerville Dam to the 240 foot contour line 2.5 miles downstream from the confluence of the middle and east Yegua Creeks on Burleson and Lee County line. Impounds Yegua Creek.
1213	Little River - Brazos River confluence to confluence of Leon and Lampasas Rivers.
1214	San Gabriel River from confluence with Little River in Milam County. South Fork ends at point 3.0 miles east of US 281 and .2 mile south of SH 29 in Burnet County. North Fork ends at a point .1 mile southeast of the intersection of US 281 and FM 2340 at the 1500 ft. contour line in Burnet County.
1215	Lampasas River - from confluence of the Leon and Little Rivers in Bell County to Stillhouse Hollow Dam.
1216	Stillhouse Hollow Reservoir from Stillhouse Hollow Dam. to the 620' contour line 4.7 miles upstream from the confluence of Rock Creek and 2.3 miles downstream from the confluence of Stillman Valley Creek in Bell County. Impounds Lampasas River.
1217	Lampasas River - headwater of Stillhouse Hollow Reservoir at the 620' contour line, 4.7 miles upstream from confluence of Rock Creek, 2.3 miles downstream from confluence of Stillman Valley Creek to a point in Mills County 2.5 miles west of the Mills-Hamilton County line, 1.7 miles east of FM 575, 5.5 miles north of FM 2005 at the 1680 ft. contour line.
1218	Nolan Creek - Leon River confluence to the headwater. North Fork originates at a point in Bell County on Fort Hood Military Reservation 3.1 miles east of the Bell-Coryell County line 3.2 miles north of FM 439. South Fork originates at point in Bell County 2.4 miles south of US 190 and 3.8 miles east of Coryell-Bell County line.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
1219	Leon River - Little River confluence to Belton Reservoir Dam.
1220	Lake Belton - from Belton Dam to a point .8 mile downstream from SH 236 in Coryell County at the 590' contour line. Impounds Leon River.
1221	Leon River - Belton Reservoir headwater at a point .8 mile downstream from the SH 236 Bridge across the Leon River in Coryell County at the 590' contour line to Lake Proctor Dam.
1222	Lake Proctor - from Proctor Dam to a point in Comanche County 1.5 miles west of FM 1496 and 3.9 miles south of SH 6
1223	Leon River - Lake Proctor headwater at a point in Comanche County 1.5 miles west of FM 1496 and 3.9 miles south of SH 6 to Leon Reservoir Dam.
1224	Leon Reservoir from Leon Dam to a point in Eastland County .3 mile downstream from Olden Dam.
1225	Lake Waco - from Waco Dam to a point in McClennan County at the 460' contour line 2.7 miles west of FM 185 and 2.1 miles north of SH 6 on the North Bosque River
1226	Bosque River - Lake Waco headwater at a point in McClennan County 2.7 miles west of FM 185 and 2.1 miles north of SH 6 on North Bosque River to the Bosque River headwater including North, Middle, and South Forks at a point in Erath County .4 mile north of SH 108 and 1.3 miles northwest of the intersection of SH 108 and FM 219 in Huckabay, Texas on the North Bosque River.
1227	Nolands River - Whitney Reservoir at a point 3.0 miles downstream from the SH 174 Bridge on the Hill-Bosque County line to Pat Cleburne Dam.
1228	Lake Pat Cleburne - from Cleburne Dam to a point in Johnson County 1.2 miles upstream from US 67 and 3.6 miles WSW of the intersection of SH 174 and US 67 in Cleburne, Texas. Impounds Nolands River.
1229	Paluxy River from the confluence with the Brazos River in Somervell County. North Fork ends at a point in Erath County 1.4 miles northeast of the intersection of FM 219 and SH 108 in Huckabay and 4.1 miles southeast of the intersection of SH 108 and FM 1715. South Fork ends at a point .7 mile west of US 281 and 1.1 miles northeast of the end of FM 3025 in Erath County.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
1230	Lake Palo Pinto - from Palo Pinto Creek Dam to a point in Palo Pinto County .3 mile east of FM 919 and .2 mile north of FM 2692. Impounds Palo Pinto Creek.
1231	Lake Graham (including Eddleman Lake) - from Graham Dam to the 1076' contour line .6 mile north of US 380 and 2.0 miles west of FM 1769 in Young County. Impounds Flint Creek. (Lake Eddleman) and Salt Creek (Lake Graham).
1232	Clear Fork Brazos River from the confluence with the Brazos River 1.7 miles upstream from the SH 67 Bridge in Young County to a point in Scurry County 3.5 miles south of US 180 and 1.8 miles east of FM 644.
1233	Hubbard Creek Reservoir - from Hubbard Creek Dam to a point in Shackelford County 1.2 miles west of the Shackelford-Stephens County line and 1.2 miles south of US 180. Impounds Hubbard Creek.
1234	Lake Cisco - from Williamson Dam to a point in Eastland County 2.3 miles north of FM 2945 and 1.0 mile west of FM 2807. Impounds Sandy Creek.
1235	Lake Stamford - from Stamford Dam to a point in Haskell County 4.4 miles upstream from FM 600 and 2.1 miles south of FM 618. Impounds Paint Creek.
1236	Lake Fort Phantom Hill - from Fort Phantom Hill Dam to FM 600 in Jones County approximately .2 mile south of the intersection of FM 3034 and FM 600 and .2 mile north of Jones-Taylor County line. Impounds Elm Creek.
1237	Lake Sweetwater - from Sweetwater Dam to FM 2035 in Nolan County. Impounds Bitter and Cottonwood Creeks.
1238	Salt Fork of the Brazos River from the confluence with the Double Mountain Fork of the Brazos River in Stonewall County to a point in Crosby County 1.8 miles west of SH 207 and 5.5 miles north of the Crosby-Garza County line.
1239	White River - Salt Fork of the Brazos River confluence in Kent County to White River Dam.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
1240	Lake White River - from White River Dam to a point in Crosby County 1.8 miles west of Crosby-Dickens County line and 2.6 miles north of FM 2794. Impounds White River.
1241	Double Mountain Fork Brazos River - from the Salt Fork of the Brazos confluence in Stonewall County to the North Fork of the Double Mountain Fork of the Brazos River confluence in Kent County.
1242	Brazos River from the Navasota River confluence to Lake Whitney Dam.
1243	Salado Creek - from Little River confluence in Bell County to the headwaters.
1244	Brushy Creek - from San Gabriel River confluence in Milam County to the headwaters.
1301	San Bernard River Tidal from a point in Brazoria County .9 mile downstream from the Intracoastal Waterway confluence to a point 2 miles upstream from the SH 35 Bridge in Brazoria County.
1302	San Bernard River above tidal from a point in Brazoria County 2 miles upstream from the SH 35 Bridge to a point in Colorado County 2.3 miles south of the intersection of FM 1094 and FM 109 in New Ulm, Texas (Town of New Ulm is in Austin County).
1303	Cedar Lakes - measured from a point in Brazoria County .6 mile northwest of the mouth of the San Bernard River to a point .8 mile south of the convergence of the Intracoastal Waterway and the Brazoria-Matagorda County line.
1304	Caney Creek Tidal from the confluence with the Intracoastal Waterway 2.0 miles downstream from FM 457 Bridge in Matagorda County to a point 2.6 miles southeast of intersection of FM 457 and 521 which is a point in the Gainesmore Community in Matagorda County and 7.6 miles downstream from the confluence with Linnville Bayou.
1305	Caney Creek above tidal from a point 2.6 miles southeast of the intersection of FM 521 and 457 which is a point in the Gainesmore Community to a point in Wharton County .3 miles west of FM 102, 1.6 miles northwest of the intersection of FM 2614 and FM 102 and 2.0 miles east of the Colorado-Wharton County line.
1401	Colorado River tidal from the mouth of the river at the Gulf of Mexico 6.7 miles downstream from the Intracoastal Waterway to a point in Matagorda County 1.3 miles downstream from the Missouri Pacific Railroad Bridge.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
1402	Colorado River above tidal from a point in Matagorda County 1.3 miles downstream from the Missouri Pacific Railroad Bridge to Tom Miller Dam including Town Lake in Austin, Travis County.
1403	Lake Austin - from Tom Miller Dam to Mansfield Dam. Impounds Colorado River.
1404	Lake Travis - from Mansfield Dam to Max Starcke Dam. Impounds Colorado River.
1405	Lake Marble Falls - from Max Starcke Dam to Alvin Wirtz Dam. Impounds Colorado River.
1406	Lake Lyndon B. Johnson (formerly Granite Shoals) - from Alvin Wirtz Dam to Roy Inks Dam. Impounds Colorado River.
1407	Inks Lake - from Roy Inks Dam to Buchanan Dam. Impounds Colorado River.
1408	Lake Buchanan - from Buchanan Dam to a point on the Lampasas - San Saba County line approximately .3 mile upstream from the convergence of the Lampasas, Burnet, and San Saba County lines 6.2 miles south of FM 580. Impounds Colorado River.
1409	Colorado River - Lake Buchanan headwater at a point on the Lampasas-San Saba County line approximately .3 mile upstream from the convergence of the Lampasas-Burnet and San Saba County lines to the San Saba River confluence 5.8 miles east of SH 16 and 2.6 miles north of US 190 on the Mills-San Saba County line.
1410	Colorado River - from San Saba River confluence to Concho River confluence.
1411	E. V. Spence Reservoir - from Robert Lee Dam to FM 2059 in Coke County. Impounds Colorado River.
1412	Colorado River - FM 2059 near Silver, Coke County to Lake J. B. Thomas (Colorado River Dam).
1413	Lake J. B. Thomas - from Colorado River Dam to a point 2.0 miles upstream from FM 1205 in Borden County.
1414	Pedernales River from its confluence with Lake Travis 8.1 miles downstream from the SH 71 Bridge in Travis County to a point in Kerr County .4 mile west of FM 479 and 2.2 miles south of US 290.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
1415	Llano River from its confluence with Lake LBJ to a point in Kimble County approximately 400 yards upstream from IH 10 near Junction. From this point the North Fork extends to a point in Sutton County .6 mile north of FM 864 and 3.9 miles south of the Schleicher-Sutton County line. The South Fork extends to a point in Edwards County 1.2 miles north of SH 55, 4.9 miles south of the Sutton-Edwards County line and 1.1 miles east of 100° 30' longitude.
1416	San Saba River from the confluence with the Colorado River in San Saba County to a point in Schleicher County .25 mile upstream from the Menard-Schleicher County line and .7 mile north of FM 864 at the confluence of the North and Middle Valley Prongs.
1417	Pecan Bayou from Colorado River confluence in Mills County to the Lake Brownwood Dam.
1418	Brownwood Reservoir - from Brownwood Dam to a point 7.1 miles upstream from FM 2559 in Brown County. Impounds Pecan Bayou.
1419	Lake Coleman - from Coleman Dam to the 1720' contour line 1.5 miles downstream from the confluence of Clear Creek, 1.8 miles south of the Callahan-Coleman eounty line in Coleman County. Impounds Jim Ned Creek.
1420	Pecan Bayou above Lake Brownwood from a point 7.1 miles upstream from the FM 2559 Bridge in Brown County and end at a point in Callahan County 5.1 miles east of SH 36 and 2.7 miles south of the intersection of FM 603 and FM 18 on the north Prong of Pecan Bayou.
1421	Concho River from the confluence with the Colorado River in Concho County to the Fork in San Angelo including the South Fork to Lake Nasworthy Dam and the North Fork to San Angelo Dam.
1422	Lake Nasworthy - from Nasworthy Dam to Twin Buttes Dam in Tom Green County. Impounds South Concho River.
1423	Twin Buttes Reservoir (also called Three Rivers project) - from Twin Buttes Dam to a point 1.5 miles upstream from US 67 in Tom Green County. Impounds South and Middle Concho River and Spring Creek.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
1424	South and Middle Concho Rivers and Spring Creek above Twin Buttes. The Middle Concho ends .4 mile east of the convergence of Glasscock-Reagan-Sterling County lines in Sterling County. The South Concho ends .7 mile east of the intersection US 277 and FM 915 in Eldorado-Schleicher County. Spring Creek ends 4.4 miles WSW of where Hwy 163 crosses the Irion-Crockett County Line.
1425	Lake O. C. Fisher - from San Angelo Dam to a point .7 mile upstream from FM 2288 in Tom Green County. Impounds North Concho River.
1426	Colorado River - from Concho River confluence to Robert Lee Dam (E. V. Spence Reservoir).
1427	Onion Creek - from Colorado River confluence to headwaters.
1501	Tres Palacios Creek Tidal from a point 2.3 miles downstream from the FM 521 bridge to a point 1 mile upstream from the confluence of Wilson Creek in Matagorda County.
1502	Tres Palacios Creek above tidal from a point in Matagorda County 1 mile upstream from the confluence of Wilson Creek to a point approximately 70 yards north of West Norris Street and 1.2 miles west of SH 71 in El Campo, Wharton County.
1601	Lavaca River Tidal from the mouth of the Lavaca River on the Jackson-Calhoun County line 2.7 miles NNW of the intersection of SH 35 and FM 1593 in Calhoun County to the point of confluence of Navidad River approximately .1 mile upstream from FM 616 in Jackson County.
1602	Lavaca River above tidal from the confluence with Navidad River in Jackson County to a point in Lavaca County .6 mile south of FM 532 and 3.4 miles west of SH 95.
1603	Navidad River from the Lavaca River confluence in Jackson County to a point in Fayette County 4.0 miles north of FM 956 and 2.0 miles west of US 77 on the East Navidad River.
1701	Victoria Barge Canal - San Antonio Bay to Victoria Turning Basin.
1801	Guadalupe River Tidal from the mouth of the Guadalupe 7.6 miles downstream from the SH 35 Bridge on the Calhoun-Refugio County line to the Guadalupe-Blanco River Authority Salt Water Barrier 0.4 mile downstream from the confluence with the San Antonio River.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
1802	Guadalupe River - Guadalupe-Blanco River Authority Salt Water Barrier to San Antonio River Confluence.
1803	Guadalupe River - San Antonio River confluence to San Marcos River confluence in Gonzales County.
1804	Guadalupe River - San Marcos River confluence to Comal River confluence 1.1 miles upstream from the IH 35 Bridge in New Braunfels-Comal County.
1805	Canyon Lake - from Canyon Dam to a point 2.5 miles downstream from Rebecca Creek Road in Comal County. Impounds Guadalupe River.
1806	Guadalupe River - Canyon Lake headwater at a point 2.5 miles downstream from Rebecca Creek Road in Comal County to the headwater. Main stem ends at the confluence of the North Fork and the South Fork of the Guadalupe River just downstream from the SH 39 Bridge in Kerr County. North Fork ends at the 2300' contour line .7 mile east of the intersection of US 83 and SH 41 in Kerr County (Hwy. intersection in Real County). South Fork ends approximately 2.1 miles north of the convergence of the Kerr-Real and Bandera County lines and 1.7 miles west of FM 187 in Kerr County.
1807	Coleto Creek from the confluence with the Guadalupe River 2.8 miles downstream from US 77 Bridge in Victoria County to the headwaters (including Coleto Creek Reservoir).
1808	San Marcos River - Guadalupe River confluence in Gonzales County to a point 1.2 miles upstream from Loop 82 Bridge in San Marcos-Hays County.
1809	Blanco River - San Marcos River confluence in Hays County to a point approximately .2 mile upstream from Limekiln Road Ford 2.4 miles west of FM 150 in Kyle in Hays County.
1810	Plum Creek - San Marcos River confluence in Caldwell County to headwaters in Hays County .6 mile north of FM 150 and .8 mile west of FM 2770.
1811	Comal River - Guadalupe River confluence in Comal County to the headwater at Klingemann Street in New Braunfels, Texas.
1812	Guadalupe River - Comal River confluence to Canyon Dam.
1813	Blanco River from a point approximately .2 mile upstream from Limekiln Road in Hays County to a point in Kendall County 2.9 miles east of FM 1376 and 2.8 miles south of the Gillespie-Kendall County line.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
1901	San Antonio River - Guadalupe River confluence in Refugio County to a point approximately .2 mile south of Hildebrand Street and approximately .1 mile west of US 81 Business Route in San Antonio.
1902	Cibolo Creek - San Antonio River confluence in Karnes County to the Missouri Pacific Railroad Bridge near Bracken in Comal County.
1903	Medina River - San Antonio River confluence in Bexar County to the USGS-TDWR Station #08180500, .9 mile downstream from Diversion Dam in Medina County.
1904	Lake Medina - from Medina Dam to a point .9 mile west of FM 1283 and 4.8 miles south of SH 16 in Bandera County. Impounds Medina River.
1905	Medina River - Medina Lake headwater at a point .9 mile west of FM 1283 and 4.8 miles south of SH 16 in Bandera County to a point 5.1 miles west of FM 1336 and 7.8 miles north of FM 470 Bandera County.
1906	Leon Creek - Medina River confluence in Bexar County to SH 16 northwest of Leon Valley in Bexar County.
1907	Leon Creek - SH 16 northwest of Leon Valley in Bexar County to the headwaters at a point 5.9 miles west of IH 10 and 1.8 miles south of the Kendall-Bexar County line in Bexar County.
1908	Cibolo Creek - Missouri Pacific Railroad Bridge west of Bracken in Comal County to the headwaters 2.0 miles east of Kerr-Kendall County line and approximately .1 mile south of Upper Cibolo Road in Kendall County.
1909	Medina River - USGS-TDWR Station #08180500, .9 mile downstream from Diversion Dam in Medina County to Medina Lake Dam.
1910	Salado Creek - from the San Antonio River confluence in Bexar County to the headwaters.
2001	Mission River Tidal from the mouth at Mission Bay 1.8 miles east of FM 136 in Refugio County to a point 4.6 miles downstream from the US 77 Bridge in Refugion County.
2002	Mission River above tidal from a point 4.6 miles downstream from US 77 Bridge in Refugio County to a point of convergence of Medio and Blanco Creeks in Refugio County.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
2003	Aransas River Tidal from the mouth at the FM 136 Bridge on the Refugio-Aransas County line to a point 4.1 miles south of FM 1360 and 11.5 miles east of US 77.
2004	Aransas River above tidal from a point 4.1 miles south FM 1360 and 11.5 miles east of US 77 to the confluence of west Aransas Creek and Poesta Creek near Skidmore in Bee County.
2101	Nueces River Tidal from the mouth at Nueces Bay 5.3 miles north of IH 37 in Corpus Christi to the Salt Water Barrier 1.5 miles south of the IH 37 and US 77 Interchange near Calallen.
2102	Nueces River from the Salt Water Barrier 1.5 miles south of the IH 37 and US 77 Interchange near Calallen to Wesley Seale Dam.
2103	Lake Corpus Christi - from Wesley E. Seale Dam to a point 2.2 miles south of FM 799 and 5.6 miles east of US 281 in Live Oak County. Impounds Nueces River.
2104	Nueces River - Lake Corpus Christi headwater at a point 2.2 miles south of FM 799 and 5.6 miles east of US 281 in Live Oak County to Holland Dam in La Salle County.
2105	Nueces River from Holland Dam in La Salle County to FM 1025 Bridge north of Crystal City in Zavala County.
2106	Frio River - Nueces River confluence in Live Oak County to US 90 west of Knippa in Uvalde County.
2107	Atascosa River - Frio River confluence in Live Oak County to the headwater 1.5 miles east of FM 2790 and 2.5 miles north of IH 35 in Bexar County.
2108	San Miguel Creek - Frio River confluence in McMullen County to the headwater 1.8 miles east of US 81 and 2.5 miles north of FM 462 in Frio County.
2109	Leona River - Frio River confluence in Frio County to the headwater 4.6 miles west of US 83 and 5.8 miles south of 29° 30' latitude in Uvalde County.
2110	Sabinal River - Frio River confluence in Uvalde County to SH 127 near Sabinal in Uvalde County.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
2111	Sabinal River - SH 127 north of Sabinal in Uvalde County to the headwaters .6 mile east of the Real-Bandera County line, 1.7 miles west of FM 187 and 2.3 miles south of FM 337 in Bandera County.
2112	Nueces River - FM 1025 north of Crystal City in Zavala County to the headwater approximately .3 mile south of SH 41 and .3 mile west of the Edwards-Real County line in Edwards County.
2113	Frio River - US 90 west of Knippa-Uvalde County to the headwater 3.4 miles west of US 83, 4.7 miles east of FM 336 and 5.0 miles south of SH 41 in Real County.
2114	Hondo Creek - from the Frio River confluence in Frio County to the headwaters.
2115	Seco Creek - from the Hondo Creek confluence in Frio County to the headwaters.
2201	Arroyo Colorado - from where it enters the Laguna Madre between Willacy and Cameron Counties to Hwy 1016 2 miles south of Mission in Hidalgo County.
2301	Rio Grande Tidal - Gulf of Mexico 2.9 miles south of SH 4 in Cameron County to a point 6.7 miles downstream from the International Bridge in Brownsville.
2302	Rio Grande - from a point 6.7 miles downstream from the International Bridge in Brownsville to Falcon Dam.
2303	Falcon Reservoir (International) - from Falcon Dam to the confluence of the Arroyo Salado from Mexico south of San Ygnacio in Zapata County. Impounds Rio Grande.
2304	Rio Grande - Falcon Lake headwater at the confluence of the Arroyo Salado from Mexico south of San Ygnacio in Zapata County to Amistad Dam.
2305	Amistad Reservoir - from Amistad Dam to a point 3.7 miles south of US 90 and 8.8 miles east of the Val Verde-Terrell County line in Val Verde County. Impounds Rio Grande.
2306	Rio Grande - Amistad Reservoir headwater at a point 3.7 miles south of US 90 and 8.8 miles east of the Val Verde-Terrell County line in Val Verde County to the Rio Conchos (Mexico) confluence near Presidio, Presidio County.
2307	Rio Grande - Rio Conchos (Mexico) confluence near Presidio to Riverside Diversion Dam.
2308	Rio Grande - Riverside Diversion Dam to New Mexico.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
2309	Devils River - Amistad Reservoir headwater to River headwater at a point 4.4 miles south of FM 1828, 2.8 miles north of SH 29, and .9 mile east of 100° 45' longitude in Schleicher County.
2310	Pecos River - Amistad Reservoir headwater at the 1117' contour line 1.5 miles north of US 90 Val Verde County to the county road low water crossing near Pandale in Val Verde County.
2311	Pecos River - County Road low water crossing near Pandale to Red Bluff Dam.
2312	Red Bluff Reservoir - from Red Bluff Dam to a point on the Texas-New Mexico State line 5.0 miles north of US 285 on the Loving-Reeves County line. Impounds Pecos River.
2501	Gulf of Mexico - Beginning at the Gulf Shoreline and extending to the limit of Texas' jurisdiction, from Sabine Pass to Brazos Santiago Pass.

NONCODIFIED

Texas Department of Human Resources

Pharmacy Services

Pharmacy Claims 326.40.07

The Texas Department of Human Resources has withdrawn from consideration for adoption proposed amendments to Rule 326.40.07.013, entitled Pharmacy Claim Magnetic Tape Input. The text of the amended rule as proposed was published in the December 19, 1980, issue of the *Texas Register* (5 TexReg 4985).

Issued in Austin, Texas, on March 24, 1981.

Doc. No. 811912 Susan L. Johnson, Administrator
Policy Development and Support Division
Texas Department of Human Resources

Filed: March 24, 1981, 9:17 a.m
For further information, please call (512) 441-3355, ext. 2037.

State Board of Insurance

Rating and Policy Forms

Board Shall Fix Rates 059.05.25

The State Board of Insurance has amended Rule 059.05.25.007 which adopts by reference the Texas Statistical Plan for Residential and Business Risks. The amendment was adopted with no changes to the text as proposed in the February 3, 1981, issue of the *Texas Register* (6 TexReg 501).

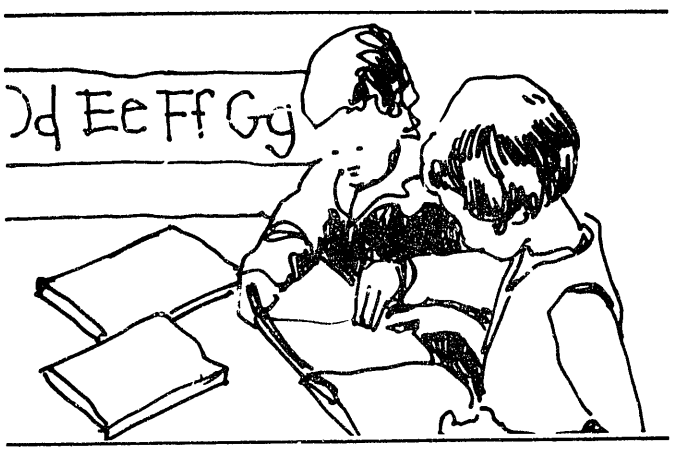
This amendment is adopted under the authority of Texas Insurance Code, Article 5.25.

Issued in Austin, Texas, on March 24, 1981.

Doc. No 811933 Pat Wagner
Chief Clerk
State Board of Insurance

Effective Date January 1, 1982
Proposal Publication Date February 3, 1981
For further information, please call (512) 475-2950.

The Open Meetings Act (Article 6252-17, Texas Civil Statutes) requires that an agency with statewide jurisdiction have notice posted for at least seven days before the day of a meeting. A political subdivision covering all or part of four or more counties, or an institution of higher education, must have notice posted for at least 72 hours before the scheduled meeting time. Notice of an emergency meeting or an emergency addition or amendment to an agenda must be posted for at least two hours before the meeting is convened. Although some notices may be received and filed too late for publication before the meetings are held, all filed notices will be published in the *Register*. Each notice published includes an agenda or a summary of the agenda as furnished for publication by the agency and the date and time of filing. Notices are posted on the bulletin board outside the offices of the secretary of state on the first floor in the East Wing of the State Capitol. These notices may contain more detailed agendas than space allows to be published in the *Register*.



Texas Education Agency

Thursday and Friday, April 23 and 24, 1981, 1 p.m. and 8 a.m., respectively. The Texas Advisory Committee on Energy and Environmental Education of the Texas Education Agency will meet in the board room, 150 East Riverside Drive, Austin. According to the agenda summary, on Thursday the committee will consider the Texas Education Agency report; subcommittees appointed; recommendations for citation awards; energy building grants, Tenneco's Schoolhouse Energy Efficiency Demonstration Program, and educational resources. On Friday, the committee will discuss the university summer workshop panel, college/university involvement in conservation education, Science/Energy Symposium 1982; and committee reports.

Information may be obtained from Joe Huckestein, 201 East 11th Street, Austin, Texas 78701, (512) 475-2608.

Filed. March 25, 1981, 10.46 a.m.
Doc. No. 811965

Texas Energy and Natural Resources Advisory Council

Tuesday, April 7, 1981, 1:30 p.m. The Advisory Committee on Energy Efficiency of the Texas Energy and Natural Resources Advisory Council will meet in Room 503G of the Sam Houston Building, Austin. According to the agenda, the committee will conduct a public hearing to receive comments and suggestions for policy recommendations on the role of the State of Texas in encouraging energy conservation in new buildings, including such areas as implementation and enforcement of building standards and codes, building orientation and passive solar design, training and technical assistance for designers and code officials, and the updating of standards.

Information may be obtained from Deborah Watson, Stephen F. Austin Building, Room 629, Austin, Texas 78701, (512) 475-1183.

Filed. March 24, 1981, 12:11 p.m.
Doc. No. 811925

Office of the Governor

Thursday, April 2, 1981, 1:30 p.m. and 7 p.m. The Task Force on Bilingual Education of the Office of the Governor will meet in the Lieutenant Governor's Committee Room, State Capitol. According to the agenda, the task force will consider the development of recommendations on providing quality bilingual education to be presented to the governor, lieutenant governor, and speaker of the house by April 15, 1981.

Information may be obtained from Cis Myers, 201 East 11th Street, Austin, Texas 78701, (512) 475-3723.

Filed: March 25, 1981, 10:40 a.m.
Doc. No. 811958

Friday, April 3, 1981, 9 a.m. The Task Force on Bilingual Education of the Office of the Governor will meet in the Lieutenant Governor's Committee Room, State Capitol, to develop recommendations on providing quality bilingual education to be presented to the governor, lieutenant governor, and speaker of the house by April 15, 1981.

Information may be obtained from Cis Myers, 201 East 11th Street, Austin, Texas 78701, (512) 475-3723.

Filed. March 25, 1981, 10.40 a.m.
Doc No. 811959

Sunday, April 12, 1981, 2 p.m. The Task Force on Bilingual Education of the Office of the Governor will meet in the Lieutenant Governor's Committee Room, State Capitol, to develop recommendations on providing quality bilingual education to be presented to the governor, lieutenant governor, and speaker of the house by April 15, 1981.

Information may be obtained from Cis Myers, 201 East 11th Street, Austin, Texas 78701, (512) 475-3723.

Filed March 25, 1981, 10:41 a.m.
Doc No 811960

Monday, April 13, 1981, 8:30 a.m. The Task Force on Bilingual Education of the Office of the Governor will meet in the Senate Reception Room, State Capitol, to develop recommendations on providing quality bilingual education to be presented to the governor, lieutenant governor, and speaker of the house by April 15, 1981.

Information may be obtained from Cis Myers, 201 East 11th Street, Austin, Texas 78701, (512) 475-3723.

Filed: March 25, 1981, 10:41 a.m.
Doc. No. 811961

Tuesday, April 14, 1981, 8:30 a.m. The Task Force on Bilingual Education of the Office of the Governor will meet in the Senate Reception Room, State Capitol, for a final review of recommendations on providing quality bilingual education to be presented to the governor, lieutenant governor, and speaker of the house by April 15, 1981.

Information may be obtained from Cis Myers, 201 East 11th Street, Austin, Texas 78701, (512) 475-3723.

Filed: March 25, 1981, 10:41 a.m.
Doc. No. 811962

Texas Health Facilities Commission

Thursday, March 26, 1981, 10 a.m. The Texas Health Facilities Commission made an emergency addition to the agenda of a meeting held in Suite 305 of the Jefferson Building, 1600 West 38th Street, Austin. The addition concerned a petition for reconsideration regarding Certificate of Need AH80-0613-013 of McAllen Methodist Hospital, McAllen. The certificate, which was approved by the commission on March 6, 1981, authorized the construction, equipping, and operation of a new 444-bed hospital to replace McAllen Methodist Hospital (formerly McAllen General Hospital). The emergency addition was necessary because the petition had to be considered at this time or it would have been overruled by operation of law.

Information may be obtained from Linda E. Zatopek, P.O. Box 15023, Austin, Texas 78761, (512) 475-6940.

Filed: March 25, 1981, 9:54 a.m.
Doc. No. 811935

Thursday, April 2, 1981, 10 a.m. The Texas Health Facilities Commission will meet in Suite 305 of the Jefferson Building, 1600 West 35th Street, Austin, to consider the following applications:

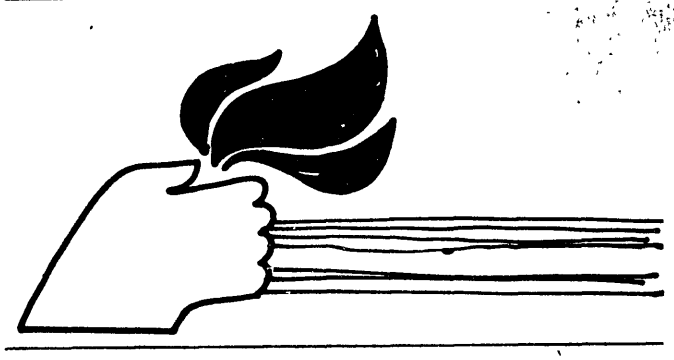
Exemption Certificate
INA Healthplan of Texas, Inc., Dallas
AS80-1126-040
Memorial Hospital of Garland, Garland
AH81-0205-003
Memorial Hospital of Garland, Garland
AH81-0205-007
Memorial Hospital, Beeville
AH81-0205-019
Ella Austin Community Center, San Antonio
AO81-0102-014
Southwestern Community House, El Paso
AO81-0121-001

Amendment of Certificate of Need Order
Gilmer Hospital, Inc., Gilmer
AH77-0927-001A (020581)

Declaratory Ruling
INA Healthplan of Texas, Inc., Dallas
AS80-1126-042

Information may be obtained from Linda E. Zatopek, P.O. Box 15023, Austin, Texas 78761, (512) 475-6940.

Filed: March 25, 1981, 9:54 a.m.
Doc. No. 811949



State Board of Insurance

Thursday, March 26, 1981, 2 p.m. The State Board of Insurance made an emergency addition to the agenda of a meeting held in Room 408, 1110 San Jacinto, Austin. The addition pertained to a petition of Consolidated Lloyds Insurance Company concerning Form 529, special loss payable and cancellation endorsement, personal auto policy. The emergency addition was necessary in order to get endorsement into effect concurrent with personal auto policy.

Information may be obtained from Pat Wagner, 1110 San Jacinto, Austin, Texas 78786, (512) 475-2950.

Filed: March 25, 1981, 9:30 a.m.
Doc. No. 811934

The State Board of Insurance will meet in Room 408, 1110 San Jacinto, Austin. According to submitted agendas, the board will discuss the fire marshal's report on the following dates:

Wednesday, April 1, 1981, 2 p.m.
Wednesday, April 8, 1981, 2 p.m.
Wednesday, April 15, 1981, 2 p.m.
Wednesday, April 22, 1981, 2 p.m.
Wednesday, April 29, 1981, 2 p.m.

Information may be obtained from Pat Wagner, 1110 San Jacinto, Austin, Texas 78786, (512) 475-2950.

Filed: March 24, 1981, 2:18 p.m.
Doc. Nos. 811916-811920

Thursday, April 2, 1981, 10 a.m. The Commissioner's Hearing Section of the State Board of Insurance is rescheduling a public hearing to be held in Room 342, 1110 San Jacinto, Austin, concerning a rehearing on Comissioner's Docket 6002 and Commissioner's Order 80-2210, dated July 10, 1980, with reference to Occidental Life Insurance Company of California, Policy Forms GME 3070 1272, GME 3071 173, and GME 3073 273. The hearing will determine if said forms are contrary to the provisions of Texas Insurance Code, Article 3.51-6, §1(a)(f). The meeting was originally scheduled for November 7, 1980.

Information may be obtained from J. C. Thomas, 1110 San Jacinto, Austin, Texas 78786, (512) 475-4353.

Filed: March 25, 1981, 3:26 p.m.
Doc. No. 811970

The State Board of Insurance will meet in Room 408, 1110 San Jacinto, Austin. According to submitted agendas, the board will discuss the commissioner's report, and conduct an executive session to consider personnel matters on the following dates.

Tuesday, April 7, 1981, 2 p.m.
Tuesday, April 14, 1981, 2 p.m.
Tuesday, April 28, 1981, 2 p.m.

Information may be obtained from Pat Wagner, 1110 San Jacinto Street, Austin, Texas 78786, (512) 475-2950.

Filed: March 24, 1981, 2:18 p.m.
Doc. Nos. 811921-811923

State Board of Morticians

Tuesday, April 7, 1981, 9 a.m. The State Board of Morticians will meet at 1513 IH 35 South, Austin. According to the agenda summary, the board will conduct a formal hearing regarding the action of licensees, and consider applicants for reciprocal licenses, reinstatement of licenses, reinstatement and resuming of apprenticeships, analysis of failures on March exam, licensee convicted of a felony, and complaints.

Information may be obtained from John W. Shocklee, 1513 IH 35 South, Austin, Texas 78741, (512) 442-6721.

Filed: March 26, 1981, 9:06 a.m.
Doc. No. 811986

State Pension Review Board

Monday, April 6, 1981, 8:30 a.m. The Legislative Advisory Committee of the State Pension Review Board will meet in Room G35B of the State Capitol. According to the agenda, the committee will meet in a regularly scheduled weekly work session to discuss upcoming legislation.

Information may be obtained from Lynda Baker, 105 West 15th Street, Reagan Building, Room 200, Austin, Texas, (512) 475-8332.

Filed: March 24, 1981, 2:19 p.m.
Doc. No. 811924

State Property Tax Board

Tuesday, March 31, 1981, 10 a.m. The State Property Tax Board makes an emergency addition to the agenda of a meeting to be held in the agency conference room, 9501 IH 35 North, Austin. The emergency addition concerns discussion of agency responsibilities in accordance with Property Tax Code §5.08. The emergency addition is necessary because of a request for technical assistance by taxing jurisdiction since the original posting.

Information may be obtained from Kenneth E. Graeber, 9501 IH 35 North, Austin, (512) 837-8622.

Filed: March 24, 1981, 4:45 p.m.
Doc. No. 811930

Public Utility Commission of Texas

Friday, April 3, 1981, 9 a.m. The Hearings Division of the Public Utility Commission of Texas will conduct a prehearing conference in Suite 450N, 7800 Shoal Creek Boulevard, Austin, in Docket 3780—application of Texas Power and Light Company for authority to increase rates.

Information may be obtained from Philip F. Ricketts, 7800 Shoal Creek Boulevard, Suite 450N, Austin, Texas 78757, (512) 458-0100.

Filed: March 25, 1981, 9:30 a.m.
Doc. No. 811950

Thursday, April 16, 1981, 9 a.m. The Public Utility Commission of Texas will conduct a prehearing conference in Suite 450N, 7800 Shoal Creek Boulevard, Austin, in Docket 3803—application of Country Side Estates for a water rate increase within Jefferson County.

Information may be obtained from Philip F. Ricketts, 7800 Shoal Creek Boulevard, Suite 450N, Austin, Texas 78757, (512) 458-0100.

Filed: March 25, 1981, 2 p.m.
Doc. No. 811963

Thursday, April 16, 1981. The Public Utility Commission of Texas will conduct prehearing conferences in Suite 450N, 7800 Shoal Creek Boulevard, Austin, at the following times:

10 a.m. Docket 3750—application of Granbury Municipal Electric Company to amend its electric certificate of convenience and necessity within Hood County (rescheduled).

1:30 p.m. Dockets 3798 and 3799—applications of Whitaker Construction Company for a certificate of convenience and necessity and a water rate increase within Chambers County.

Information may be obtained from Philip F. Ricketts, 7800 Shoal Creek Boulevard, Suite 450N, Austin, Texas 78757, (512) 458-0100.

Filed: March 26, 1981, 9:07 a.m.
Doc. Nos. 811987 and 811988

Friday, April 17, 1981, 9:30 a.m. The Public Utility Commission of Texas will conduct a prehearing conference in Suite 450N, 7800 Shoal Creek Boulevard, Austin, in Docket 3793—application of Water Works for a water rate increase within Llano County.

Information may be obtained from Philip F. Ricketts, 7800 Shoal Creek Boulevard, Suite 450N, Austin, Texas 78757, (512) 458-0100.

Filed: March 25, 1981, 1:59 p.m.
Doc. No. 811964

Monday, May 18, 1981, 9 a.m. The Hearings Division of the Public Utility Commission of Texas will meet in Suite 450N, 7800 Shoal Creek Boulevard, Austin, to conduct a hearing on the merits in Docket 3780—application of Texas Power and Light Company for authority to increase rates.

Information may be obtained from Philip F. Ricketts, 7800 Shoal Creek Boulevard, Suite 450N, Austin, Texas 78757, (512) 458-0100.

Filed: March 25, 1981, 9:30 a.m.
Doc. No. 811951

Monday, June 29, 1981, 9 a.m. The Hearings Division of the Public Utility Commission of Texas will meet in Suite 450N, 7800 Shoal Creek Boulevard, Austin, to conduct a hearing on the merits in Docket 3727—complaint of general counsel of the Public Utility Commission against Central Power and Light Company.

Information may be obtained from Philip F. Ricketts, 7800 Shoal Creek Boulevard, Suite 450N, Austin, Texas 78757, (512) 458-0100.

Filed: March 25, 1981, 9:31 a.m.
Doc. No. 811952

Texas Rehabilitation Commission

Wednesday, March 25, 1981, 9:30 a.m. The board of the Texas Rehabilitation Commission held an emergency meeting at 118 East Riverside Drive, Austin. According to the agenda, the board met in closed session to select the new Texas Rehabilitation commissioner. The board met in a closed meeting under the authority of Vernon's Annotate Civil Statutes, Article 6252-17, §2(g). The emergency meeting was necessary because the former commissioner, W. K. Harvey, Jr., retired on March 24, 1981.

Information may be obtained from Edward Austin, 118 East Riverside Drive, Austin, Texas 78704, (512) 447-0124.

Filed: March 24, 1981, 3:48 p.m.
Doc. No. 811929

Texas Water Commission

Thursday, April 16, 1981, 10 a.m. The Texas Water Commission will meet in Room 124A of the Stephen F. Austin Building, 1700 North Congress, Austin. According to the agenda summary, the commission will consider adjudication of water rights in the Upper Neches River Segment, Neches River Basin.

Information may be obtained from Mary Ann Hefner, P.O. Box 13087, Austin, Texas 78711, (512) 475-4514.

Filed: March 25, 1981, 11:06 a.m.
Doc. No. 811953

Wednesday, April 22, 1981, 10 a.m. The Texas Water Commission will conduct a hearing in Room 618 of the Stephen F. Austin Building, 1700 North Congress Avenue, Austin, regarding the conversion of Royalwood Municipal Utility District into a municipal utility district.

Information may be obtained from Mary Ann Hefner, P.O. Box 13087, Austin, Texas 78711, (512) 475-4514.

Filed: March 24, 1981, 3:14 p.m.
Doc. No. 811928

Monday-Friday, May 4-8, 1981, 2 p.m. Monday, and 9 a.m. Tuesday-Friday. The Texas Water Commission will meet on the second floor, Polk County Courtroom, county courthouse, Livingston. According to the agenda summary, the commission will conduct adjudication hearings on the Lower Trinity River Segment, Trinity River Basin.

Information may be obtained from Mary Ann Hefner, P.O. Box 13087, Austin, Texas 78711, (512) 475-4514.

Filed: March 25, 1981, 9:32 a.m.
Doc. No. 811954

Wednesday, May 6, 1981, 10 a.m. The Texas Water Commission will conduct a hearing in Room 124A of the Stephen F. Austin Building, 1700 North Congress, Austin, on the application of the City of Grand Prairie (RE-0160) seeking approval of preliminary plans for the construction of certain improvements in the floodplain of Bear Creek and the west fork of the Trinity River, Dallas County.

Information may be obtained from Mary Ann Hefner, P.O. Box 13087, Austin, Texas 78711, (512) 475-4514.

Filed: March 25, 1981, 9:32 a.m.
Doc. No. 811955

Monday-Wednesday, July 13-15, 1981, 2 p.m. Monday, and 9 a.m. Tuesday-Wednesday. The Texas Water Commission will meet in the Justice of the Peace Courtroom, first floor of the Liberty County Courthouse, Liberty, to conduct adjudication hearings on the Lower Trinity River Segment, Trinity River Basin.

Information may be obtained from Mary Ann Hefner, P.O. Box 13087, Austin, Texas 78711, (512) 475-4514.

Filed: March 25, 1981, 9:33 a.m.
Doc. No. 811956

Thursday and Friday, July 16 and 17, 1981, 9 a.m. daily. The Texas Water Commission will meet in the conference room of the Chambers County Courthouse Annex Building, Anahuac, to conduct adjudication hearings on the Lower Trinity River Segment, Trinity River Basin.

Information may be obtained from Mary Ann Hefner, P.O. Box 13087, Austin, Texas 78711, (512) 475-4514.

Filed: March 25, 1981, 9:32 a.m.
Doc. No. 811957

Regional Agencies

Meeting Filed March 24, 1981

The Trinity River Authority of Texas, Basin Planning Committee, held an emergency meeting in the Executive Conference Room, 5300 South Collins, Arlington, on March 26, 1981, at 10 a.m. Information may be obtained from Geri Elliott, P.O. Box 60, Arlington, Texas 76010, (817) 467-4343.

Doc. No. 811915

Meetings Filed March 25, 1981

The Central Texas MH/MR Center, Board of Trustees, will meet at 308 Lakeway Drive, Brownwood, on March 31, 1981, at 4:30 p.m. Information may be obtained from Janie Clements, P.O. Box 250, Brownwood, Texas 76801, (915) 646-9574.

The Harris County Appraisal District, Board of Directors, met at North Harris County College, 2700 W. W. Thorne Drive, Houston, on March 30, 1981, at 3 p.m. Information obtained from Karl F. Braucher, 1750 Seamist, Houston, Texas 77008, (713) 861-2530.

Doc. No. 811966

Meetings Filed March 26, 1981

The Hale County Appraisal District will meet in the central appraisal office, 302 West 8th Street, Plainview, on April 2, 1981, at 7 p.m. Information may be obtained from Larry Hamilton, P.O. Box 29, Plainview, Texas, (806) 293-4226.

Doc. No. 811989

Office of the Attorney General

Solid Waste Enforcement

Notice is hereby given by the State of Texas of the following resolution of the Texas Solid Waste Disposal Act enforcement lawsuit. Thirty days from the date of this notice, an agreed final judgment will be submitted to the court indicated below for entry. The identity of the subject litigation and the terms of the agreed judgment are as follows:

Case Title: State of Texas *v.* M. J. Wootan, individually and doing business as M. J. Wootan Custom Feeding Lot.

Cause Number and Court: 5,656, 33rd District Court, Llano County.

Waste Site: hog farm on north side of Highway 71, two miles east of intersection of Highway 71 and FM Road 2323, and about 1.5 miles southeast of the City of Llano, in Llano County.

Injunction: obey permit; dewater all ponds whenever they exceed 25% of capacity by irrigation with no runoff into waters in the state or off the hog farm property; erect staff gauges in each pond to enable observer to determine level.

Civil Penalty: $3,000.

This agreed judgment will be submitted in resolution of alleged violations of the Texas Solid Waste Disposal Act and agency regulations promulgated thereunder. Comments and requests for copies/inspection of the judgment may be directed to Texas Attorney General's Office, Environmental Protection Division, P.O. Box 12548, Austin, Texas 78711, (512) 475-4143.

Issued in Austin, Texas, on March 24, 1981.

Doc. No. 811937 Brian E. Berwick
Assistant Attorney General

Filed: March 25, 1981, 9:42 a.m.
For further information, please call (512) 475-4143.

Texas Department of Health

Review of Health Systems Agencies' Disapprovals of Federal Funds

Purpose. At the request of the governor, the Texas Department of Health as the designated State Health Planning and Development Agency (SHPDA) will review appeals of health systems agencies' disapprovals under Title XV, §1513e(1)A(*ii*), of the Public Health Service Act. The department will then forward a recommendation to support or not to support an HSA decision to the Governor's Office of Budget and Planning for the governor's final decision.

Background. State program agencies which receive federal funds under the Public Health Service Act; the Community Mental Health Centers Act; §409 and §410 of the Drug Abuse Office and Treatment Act of 1972; or the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment, and Rehabilitation Act of 1970 for grants or contracts for the development, expansion, or support of health resources are required through the governor to allow health systems agencies (HSAs) 60 days to review allotments, contracts, or grants proposed within their area. If an HSA disapproves a proposed use of federal funds in its health service area, the governor may not make such funds available for such use until he has made, upon the request of the entity making such proposal, a review of the agency decision. The governor, after taking into consideration the recommendation and comments of SHPDA, may make such federal funds available for such use notwithstanding the disapproval of the HSA. Each decision by the governor to make funds available shall be submitted to the appropriate health systems agency, SHPDA, state program agency, and appealing applicant and shall contain a detailed statement of the reasons for the decision.

Procedures and Criteria. To establish a timely review process the following procedures are set forth:

(1) The request for funding notwithstanding HSA disapproval must be addressed to the Governor's Office of Budget and Planning, Executive Office Building, Room 700, 411 West 13th Street, Austin, Texas 78701, and postmarked no later than 15 days after the postmark date of the HSA disapproval notification. Such request shall include a statement from the applicant justifying approval of the proposed use of federal funds including a detailed response to the HSA reasons for disapproval and a copy of the application in question. Failure to submit the request in the prescribed time frame will render the request ineffective.

(2) The Governor's Office will notify the SHPDA of an appeal request and the SHPDA will establish a review period (not to exceed 15 days) and notify the applicant, state program agency, and the HSA of the schedule of review and request any additional information it feels is required from either the applicant or HSA to conduct the requested review.

(3) The SHPDA will as appropriate call upon expert opinion from health-related state agencies to aid in the formulation of recommendations to the governor. In addition, the SHPDA will consider appropriate criteria in §1532 as follows:

Basic Review Criteria

(A) The relationship of the health services being reviewed to the applicable Health Systems Plan, Annual Implementation Plan, and State Health Plan.

(B) The relationship of the services reviewed to the long-range development plan (if any) of the person providing or proposing such services.

(C) The need that the population served or to be served by such services has for such services.

(D) The availability of alternatives, less costly, or more effective methods of providing such services.

(E) The relationship of services reviewed to the existing health care system of the area in which such services are provided or proposed to be provided.

(F) In the case of health services proposed to be provided:

(a) the availability of resources (including health manpower, management personnel, and funds for capital and operating needs) for the provision of such services;

(b) the effect of the means proposed for the delivery of such services on the clinical needs of health professional training programs in the area in which such services are to be provided;

(c) if such services are to be available in a limited number of facilities, the extent to which the health professions schools in the area will have access to the services for training purposes;

(d) the availability of alternative uses of such resources for the provision of other health services; and

(e) the extent to which such proposed services will be accessible to all the residents of the area to be served by such services.

(G) The special needs and circumstances of those entities which provide a substantial portion of their services or resources, or both, to individuals not residing in the health service areas in which the entities are located or in adjacent health service areas. Such entities may include medical and other health professions schools, multidisciplinary clinics, specialty centers, and such other entities as the secretary may by regulation prescribe.

(H) The special needs and circumstances of health maintenance organizations.

(I) In the case of a construction project:

(a) the costs and methods of the proposed construction, including the costs and methods of energy provision; and

(b) the probable impact of the construction project reviewed on the costs of providing health services by the person proposing such construction project and on the costs and charges to the public of providing health services by other persons.

(J) The special circumstances of health service institutions and the need for conserving energy.

(K) In accordance with §1502(b), the factors which affect the effect of competition on the supply of the health services being reviewed.

(L) Improvements or innovations in the financing and delivery of health services which foster competition, in accordance with §1502(b), and serve to promote quality assurance and cost effectiveness.

(M) In the case of health services or facilities proposed to be provided, the efficiency and appropriateness of the use of existing services and facilities similar to those proposed.

(N) In the case of existing services or facilities, the quality of care provided by such services or facilities in the past.

(4) Following the review, the SHPDA's written recommendation and comments will be provided to the appealing applicant, state program agency, and the HSA at the same time these comments are forwarded to the Governor's Office.

(5) The Governor's Office will then issue a written decision on the request within 10 days of receiving SHPDA recommendations to the applicant, state program agency, SHPDA, and the HSA. The decision shall contain a detailed statement of the reasons for the decision and consider the following as deemed appropriate by the governor:

(A) Whether the health systems agency substantially adhered to the applicable review procedures adopted by the health systems agency.

(B) Whether the proposed use of federal funds is consistent with the applicable review criteria adopted by the health systems agency.

(C) Whether the failure to make the proposed federal funds available will adversely affect the health of residents of the health service area or of other health service areas.

(D) Whether the proposed use of federal funds meets a regional need for which local conditions offer special advantages.

(6) If at any time during the course of the review the HSA and applicant can resolve their differences and provide assurances of their mutual resolution of problem areas in writing to the SHPDA and Governor's Office, the review will automatically terminate.

(7) For the purpose of these procedures the initial request for appeal by the applicant and the final decision by the governor back to the applicant will be sent via certified or registered mail—return receipt requested—or delivered by hand. Other information exchanged may be conducted using standard mail or interagency mail service as appropriate.

Issued in Austin, Texas, on March 20, 1981.

Doc. No. 811897

Lynn McGuirt, R.N., Deputy Commissioner
Special Health Services
Texas Department of Health

Filed: March 23, 1981, 1:51 p.m.
For further information, please call (512) 458-7236.

Texas Health Facilities Commission

Applications for Declaratory Ruling, Exemption Certificate, and Transfer and Amendment of Certificate

Notice is hereby given by the Texas Health Facilities Commission of application (including a general project description) for declaratory ruling, exemption certificate, transfer of certificate, and amendment of certificate accepted during the period of March 18-24, 1981.

Should any person wish to become a formal party to any of the above-stated applications, that person must file a request to become a party to the application with the chairman of the commission within 25 days after the application is accepted. The first day for calculating this 25-day period is the first calendar day following the date of acceptance of the application. The 25th day will expire at 5 p.m. on the 25th consecutive day after the date said application is accepted. If the 25th day is a Saturday, Sunday, or state holiday, the last day shall be extended to 5 p.m. of the next day that is not a Saturday, Sunday, or state holiday. A request to become a party should be mailed to the chairman of the commission, P.O. Box 15023, Austin, Texas 78761, and must be received at the commission no later than 5 p.m. of the last day allowed for filing of a request to become a party.

The contents and form of a request to become a party to an application for a declaratory ruling, exemption certificate, transfer of certificate, or amendment of certificate must meet the minimum criteria set out in §511.5 (315.20.01.050). Failure of a party to supply the minimum necessary information in the correct form will result in a defective request to become a party and such application will be considered uncontested.

The fact that an application is uncontested will not mean that it will be approved. The application will be approved only if the commission determines that it qualifies under the criteria of Texas Civil Statutes, Article 4418(h), §3.02 or §3.03, and §505.81 and §505.82 (315.17.04.010 and .030), §§505.91-505.93 (315.17.05.010, .020, and .030), §§507.81-507.83 (315.18.04.010, .020, and .030), and §§507.91-507.93 (315.18.05.010, .020, and .030).

In the following list, the applicant and date of acceptance are listed first, the file number second, the relief sought third, and description of the project fourth. EC indicates exemption certificate, DR indicates declaratory ruling, TR indicates transfer of ownership of certificate, AMD indicates amendment of certificate, and CN indicates certificate of need.

Lifemark Recovery Center of Denton, Denton (3/24/81)
AO81-0319-023
DR—That neither a certificate of need nor an exemption certificate is required to construct, equip, and operate a 64-bed free-standing, nonmedical alcoholism rehabiltation facility in Denton adjacent to Westgate Hospital and Medical Center in Denton

Stephenville Hospital, Inc., Stephenville (3/23/81)
AH78-0110-015T (031981)
T/CN—Request to transfer Certificate of Need AH78-0110-015 from Stephenville Hospital, Inc., the owner of said certificate of need, to Stephenville General Hospital, Inc., a nonprofit corporation (the certificate of need authorized the replacement of a nonconforming wood frame section of the hospital, and the expansion of many of the hospital's functions, i.e., radiology, physical therapy, nuclear medicine, laboratory, pharmacy, ICU/CCU, LVN School, administrative and business offices, etc.)

Heart of Texas Memorial Hospital, Brady (3/24/81)
AH81-03 9-025
EC—To construct a laundry facility on the campus of the hospital and acquire necessary laundry equipment

Roy H. Laird Memorial Hospital, Kilgore (3/24/81)
AH81-0320-002
EC—To contract with Ultrasound Associates, Inc., for the provision of ultrasound service, including M-mode echocardiography, on an as-needed basis at the hospital

Alice Physicians and Surgeons Hospital, Alice (3/24/81)
AH81-0320-020
EC—To construct an 1,800 square foot building to replace a 1940 structure and utilize the replacement structure for education/in-service, maintenance repair, storage, and office space; as well as utilize an existing room containing 288 square feet for laboratory functions

Sunnyvale Manor Nursing Home No. 1, Dallas (3/23/81)
AN80-0201-009A (031881)
AMD/CN—Request to extend the completion deadline in Certificate of Need AN80-0201-009 which authorized the reclassification of 62 ICF-III beds to skilled level and provision of other therapy services

Danforth Memorial Hospital, Texas City (3/23/81)
AH81-0318-014
EC—To acquire B-mode ultrasound equipment for use by the hospital's radiology department

The University of Houston College of Optometry and the City of Houston Health Department for Riverside Health Center, Houston (3/23/81)
AO81-0224-016
EC—The Riverside Health Center is an existing primary preventive health care center operated by the City of Houston (the proposal is to offer optometry services to clients of the center through use of an optometrist and optometry students from the University of Houston College of Optometry)

Wichita General Hospital, Wichita Falls (3/23/81)
AH80-0715-021A (030981)
AMD/EC—Request to extend the completion deadline in Exemption Certificate AH80-0715-021, which authorized the acquisition of a portable electroencephalography unit

St. John's Hospital, San Angelo (3/23/81)
AH78-0327-005A (031781)
AMD/CN—Request to extend the completion deadline in Certificate of Need AH78-0327-005, as amended (the certificate authorized the renovation and expansion of surgery and the special care unit, expansion of the cardiopulmonary department and the recovery area resulting in a three-bed increase in the hospital license)

Midland Memorial Hospital, Midland (3/23/81)
AH79-0328-005A (031881)
AMD/CN—Request to extend the completion deadline in Certificate of Need AH79-0328-005, which authorized the construction and operation of a cancer therapy center

Mother Frances Hospital, Tyler (3/23/81)
AH80-0311-030A (031881)
AMD/CN—Request to extend the completion deadline and increase the project cost limitation in Certificate of Need AH80-0311-030, which authorized a construction and renovation project at Mother Frances Hospital (project includes the addition of 101 licensed beds, 37 nursery bassinets, six special care bassinets, and a Level III obstetric and neonatal intensive care service)

Northwest Texas Hospital, Amarillo (3/23/81)
AH76-1220-018A (031881)
AMD/CN—Request to increase the project cost in Certificate of Need AH76-1220-018 and otherwise modify certain other restraints upon construction and physical plant use as outlined in said certificate of need, which authorized the construction of a replacement 250-bed hospital facility in Amarillo

Issued in Austin, Texas, on March 25, 1981.

Doc. No. 811936

Linda E. Zatopek
Assistant General Counsel
Texas Health Facilities Commission

Filed: March 25, 1981, 9:52 a.m.
For further information, please call (512) 475-6940.

Legislative Information System of Texas

Toll-Free Telephone Number

The Texas Senate and House of Representatives are providing information on the activities of the 67th Legislature through a toll-free statewide WATS line to the Legislative Information System of Texas (LIST).

Information available includes bill status, schedules and agendas of committee meetings and hearings, and lists of bills by author, committee, and subject.

The LIST statewide toll-free telephone number is ***1-800-252-9693*** for calls from outside the Austin area. For calls originating in Austin, the telephone number is (512) 475-3026.

Texas Department of Water Resources

Consultant Proposal Request

Description of the Project. The purpose of the project is to prepare a sensitivity index of coastal, bay, and estuary shoreline environments to spilled oil. The index will cover the shoreline environments from Aransas Pass to the Texas-Louisiana border. The index will be similar in format and content to the Sensitivity of Coastal Environments to Spilled Oil, South Texas Coast prepared for the National Oceanic and Atmospheric Administration in April 1980. The document, Sensitivity of Coastal Environments to Spilled Oil, South Texas Coast, is available for review during normal working hours in the Texas Department of Water Resources' library, Room 511, of the Stephen F. Austin Building, Austin. The expected output of this project is a sensitivity index map series and supporting report which will become a part of the State of Texas Oil and Hazardous Material Spill Management Plan. The map series and report will be used as a field response tool in the event of a coastal oil spill.

Budget and Time Period Limitations. The contract awarded will not exceed $24,990. Consultant's proposed price should be shown on Environmental Protection Agency Form 5700-41 (Cost/Price Summary). The Environmental Protection Agency Form 5700-41 may be obtained from the contact person listed below. Final consultant selection is expected to be made by May 29, 1981. The contract period is expected to begin on or about July 1, 1981, and extend no further than December 31, 1981.

Contact Person; Closing Date. Persons wishing to respond to this offer should contact Gerald Creel, Construction Grants and Water Quality Planning Division, Texas Department of Water Resources, P.O. Box 13087, Austin, Texas 78711. The closing date for receipt of proposals is May 13, 1981, at 5 p.m.

Evaluation Criteria. Consultant proposals will be evaluated based on the following criteria:

(1) record of performance in similar endeavors;

(2) consultant qualifications, including qualifications of project manager and technical staff;

(3) ability to meet specified time frame;

(4) demonstrated knowledge of work to be performed;

(5) written proposal, including proposed methodology, format of end product, project management, and price;

(6) avoidance of personal and organizational conflicts of interest;

(7) utilization of small and minority businesses, where practicable.

Consultant Interviews. Consultant interviews may be conducted after proposals are received and reviewed if deemed appropriate. In this event, the consultant will be notified of the time and place of the interview.

Contract Award. The Texas Department of Water Resources will award said contract to the consultant considered to be the best qualified and able to perform the work. Execution of any contract awarded as a result of this request for proposals is contingent upon the following:

(1) contract negotiation between the department and the selected consultant;

(2) continued funding by the United States Environmental Protection Agency.

The Texas Department of Water Resources reserves the right to reject, in total or part, any or all proposals.

Issued in Austin, Texas, on March 20, 1981.

Doc. No. 811948

M. Reginald Arnold II
General Counsel
Texas Department of Water Resources

Filed: March 25, 1981, 9:31 a.m.
For further information, please call (512) 475-7836.

April, May, and June Publication Schedule for the *Texas Register*

Listed below are the deadline dates for the April, May, and June issues of the *Texas Register*. Because of printing schedules, material received after the deadline for an issue cannot be published until the next issue. Generally, deadlines for a Tuesday edition of the *Register* are Wednesday and Thursday of the week preceding publication, and deadlines for a Friday edition are Monday and Tuesday of the week of publication. An asterisk beside a publication date indicates that the deadlines have been moved because of state holidays. Please note that the issue published on April 28 will be an index; no other material will be published in that issue.

FOR ISSUE PUBLISHED ON:	ALL COPY EXCEPT NOTICES OF OPEN MEETINGS BY 10 A.M. ON:	ALL NOTICES OF OPEN MEETINGS BY 10 A.M. ON:
Friday, April 3	Monday, March 30	Tuesday, March 31
Tuesday, April 7	Wednesday, April 1	Thursday, April 2
Friday, April 10	Monday, April 6	Tuesday, April 7
Tuesday, April 14	Wednesday, April 8	Thursday, April 9
Friday, April 17	Monday, April 13	Tuesday, April 14
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Friday, May 15	Monday, May 11	Tuesday, May 12
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Friday, May 22	Monday, May 18	Tuesday, May 19
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Tuesday, June 23	Wednesday, June 17	Thursday, June 18
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The following state holidays fall within the period of this publication schedule:

Tuesday, April 21 ..... San Jacinto Day
Monday, May 25 ..... Memorial Day
Friday, June 19 ..... Emancipation Day

The Texas Register Division will, as all other state agencies, observe these holidays and will not process or file notices of meetings or other documents.

TAC Titles Affected in This Issue

The following is a list of the chapters of each title of the *Texas Administrative Code* affected by documents published in this issue of the *Register*. The listings are arranged in the same order as the table of contents of the *Texas Administrative Code*.

TITLE 4. AGRICULTURE
Part II. Texas Animal Health Commission

TITLE 22. EXAMINING BOARDS
Part XIII. Texas Board of Licensure for Nursing Home Administrators

TITLE 28. INSURANCE
Part I. State Board of Insurance

TITLE 31. NATURAL RESOURCES AND CONSERVATION
Part X. Texas Water Development Board

TITLE 40. SOCIAL SERVICES AND ASSISTANCE
Part I. Texas Department of Human Resources

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