

Texas Water Development Board
Research and Planning Fund
Regional Water Planning

Grant Application
Phase II of the 3rd Round of
Regional Water Planning

For

East Texas Regional Water Planning Area
Region I

Submitted by:

City of Nacogdoches

On Behalf of

East Texas Regional
Water Planning Group

As Adopted

June 4, 2008

Texas Water Development Board
Research and Planning Fund
Regional Water Planning Grant

Application Checklist

I. GENERAL INFORMATION

1. Legal name of applicant(s)

City of Nacogdoches

2. Regional Water Planning Group

East Texas Regional Water Planning Group

3. Authority of law under which the applicant was created.

Authority: The City of Nacogdoches is a Regional Planning Commission organized under the authority of the Regional Planning Commission statutes Act 59th Texas Legislature, 1965 codified as Article 1011m, V.A.C.S

4. Applicant's official representative, Name, Title, Mailing address, Phone number, Fax number, E-mail Address, and Vendor ID Number.

**Contact: Jim Jeffers, City Manager
City of Nacogdoches
Post Office Box 635030
Nacogdoches, Texas 75963-5030
Phone: 936.559.2504
Fax: 936.560.5137
E-mail: fullm@ci.nacogdoches.tx.us**

5. Is this application in response to a Request for Applications published in the *Texas Register*?

Yes

No

6. If yes to No. 5 above, list document number and date of publication of the *Texas Register*.

***Texas Register* February 15, 2008
Volume 33, Number 7,
Pages 11910 – 1464**

7. Total proposed planning cost.

\$425,440.00

8. Cash contribution to the study.

\$79,980 (not budgeted in this application. Will be spent chiefly by the City of Nacogdoches administering regional water planning group business and this planning effort)

9. List sources of cash contribution, explanation of source of local cash contribution.

East Texas Regional Water Planning Group is raising the funds from cities, counties, and industry within the region.

10. Total grant funds requested from the Texas Water Development Board.

\$345,460

11. Detailed statement of the purpose for which the money will be used.

A detailed scope of work is included in Exhibit A

12. Detailed description of why state funding assistance is needed.

Regional Water Planning is a grass roots statewide planning effort. Without state funding, the work would either not be done or would be accomplished using inconsistent methods and data from region to region greatly diminishing the entire effort.

13. Identify potential sources and amounts of funding available for implementation of viable solutions resulting from proposed planning.

DWSRF; Local Bond Funds; Local Funds; State Participation in large projects; Funding amounts available from all sources combined will be sufficient to fund viable solutions.

II. PLANNING INFORMATION

14. A detailed scope of work for proposed planning.

A detailed scope of work is included in Exhibit A

15. A task budget for detailed scope of work by task. *Example is attached.*

A task budget for detailed scope of work is included in Exhibit A

16. An expense budget for detailed scope of work by expense category. *Example is attached.*

An expense budget for detailed scope of work by expense category is included in Exhibit A.

17. A time schedule for completing detailed Scope of Work by task.

A time schedule is included in Exhibit A

18. Specific deliverables for each task in Scope of Work.

Deliverables specified in Exhibit A

19. Method of monitoring study progress.

Monthly progress reports will be required from the consultant retained to perform professional services on the study. These reports will be a part of the monthly request for reimbursement submitted to the Texas Water Development Board. Periodic progress meetings will be held between the consultant and the East Texas Regional Water Planning Group to monitor progress and provide guidance to the consultant.

The Texas Water Development Board's liaison to East Texas Regional Water Planning Group will attend progress meetings.

The City of Nacogdoches is responsible for the management of the project. The East Texas Region authority has been involved in and a participating sponsor of various studies and activities in the past. Presentation of the City of Nacogdoches staff's coordinating and implementing regional activities is included as Exhibit C.

20. Qualifications and direct experience of proposed project staff.

Resumes of each proposed project staff is included in Exhibit D.

III. WRITTEN ASSURANCES

- Written assurances of the following items:
- Proposed planning does not duplicate existing projects.
- Implementation of viable solutions identified through the proposed planning will be diligently pursued and identification of potential sources funding for implementation of viable solutions.
- If a grant is awarded, written evidence that local matching funds are available for the proposed planning must be provided when the contract is executed.

The East Texas Regional Water Planning Group will make every effort to not duplicate existing projects during this planning cycle. It is the goal of the East Texas Regional Water Planning Group to enhance the studies that have already been performed during the previous planning cycles.

The East Texas Regional Water Planning Group will diligently pursue implementation of viable solutions which have and will be identified through this planning cycle as appropriate for their function as a regional council of governments all the while looking for viable sources of funding.

The East Texas Regional Water Planning Group will provide written evidence of the availability of matching funds once the contract is executed.

IV. PROOF OF NOTIFICATION

- Proof of notification
For developing or revising regional water plans, eligible applicants requesting funds to develop or revise regional water plans must, not less than 30 days before board consideration of the application, provide notice that an application for planning assistance is being filed with the executive administrator by:

- 1) Publishing notice once in a newspaper of general circulation in each county located in whole or in part in the regional water planning area; and
- 2) Mailing notice to each mayor of a municipality with a population of 1,000 or more or which is a county seat and that is located in whole or in part in the regional water planning area, to each county judge of a county located in whole or in part in the regional water planning area, to all districts and authorities created under Texas Constitution, Article III, §52, or Article XVI, §59, located in whole or in part in the regional water planning area based upon lists of such water districts and river authorities obtained from Texas Commission on Environmental Quality, and all regional water planning groups in the state.

The notice must include the following:

- Name and address of applicant and applicant's official representative;
- Brief description of proposed planning area;
- Purpose of the proposed planning;
- Texas Water Development Board Executive Administrator's name and address; and
- Statement that any comments on the proposed planning must be filed with the applicant and the Texas Water Development Board Executive Administrator within 30 days of the date on which the notice was mailed and published.

Prior to action by the board, the applicant must provide one copy of the notice sent, a list of those to which the notice was sent, the date on which the notice was sent, copies of all notices as published showing the name of the newspaper and the date on which the notice was published.

Proof of notification is provided as Exhibit B

Exhibit A

Scope of Work
Task Budget
Schedule

Summary Table

	Base Funding	Additional Funding for Base Tasks	Additional Funding for Additional Work	Total by Task
Task 1	\$10,000			\$10,000
Task 2	\$12,000	\$8,000		\$20,000
Task 3	\$15,050	\$8,950	\$75,000	\$99,000
Task 4	\$32,000	\$12,000		\$44,000
Task 5	\$9,000			\$9,000
Task 6	10,000			\$10,000
Task 7	\$10,000		\$10,000	\$20,000
Task 8	\$15,000			\$15,000
Task 9	\$9,400			\$9,400
Task 10	\$109,060			\$109,060
Total	\$231,510	\$28,950	\$85,000	\$345,460

Task 1: Planning Area Description

This task will be a limited effort to update the area descriptions contained in the 2006 Approved Regional Water Plans.

Subtasks

1. Review and revise as necessary the planning region description as presented in the 2006 Regional Water Plan.
2. Provide additional area descriptions or information of regional importance as directed by the RPG.
3. Provide draft(s) of Task 1 Chapter to RPG for review and comment. Make necessary changes as directed by the RPG.

Products:

Bibliography and summary of major plans and studies
Water rights databases
Base maps
Memorandum describing related programs

Activity	Labor Budget	Expense Budget	Total Budget
Activity 1 – Review & Revise 2006 RWP Description of Region	\$6,000	\$200	\$6,200
Activity 2 – Provide Draft Task 1 Chapter to RWPG	\$2,000	\$150	\$2,150
Activity 3 – Produce Final Description of East Texas Regional Water Planning Area	\$1500	\$\$150	\$1650
Total	\$9,500	\$500	\$10,000

Region I Expense Budget – Base Tasks

CATEGORY	TOTAL AMOUNT
Salaries & Wages ¹	\$3,300
Fringe ²	\$990
Travel	\$0.00
Other Expenses ³	\$100
Subcontract Services	\$0.00
Voting Planning Member Travel ⁵	\$0.00
Overhead ⁴	\$4,290
Profit	\$1,320

Task 2: Select revisions of population and water demand projections

This task will focus on updating population and water demand projections from the 2006 regional water plans based on changed conditions as described in the Guidelines for Regional Water Plan Development.

This work will include, but is not necessarily limited to:

- 1) revisions of population projections for municipal water user groups.
- 2) revisions of water demand projections for water user groups and wholesale water providers, excluding steam-electric power demands.
- 3) inclusion of cities, non-city water utilities and wholesale water providers not included in previous regional water plans and that meet the water user group or wholesale water provider definition in Guidelines for Regional Water Planning Data Deliverables.
- 4) review of new water demand projections for steam-electric power production.

Water User Groups for whom we anticipate revisions in population and/or water demands are as follows:

All WUGs in Jefferson, Orange, and Hardin Counties due to industrial expansion projects not anticipated in the 2006 RWP.

9 WUGs with population increases more than 5% greater than projected and 18 others with populations more than 5% less than projected. See attached listing.

LNVA Irrigation demands due to the availability of metered water usage not previously available.

Inclusion of 11 WUGs not included in previous water plans.

Subtask	Changed Conditions	Water User Groups/Wholesale Water Providers	Cost
Revisions of population projections for municipal water user groups.	We anticipate 9 Municipal WUGs with population projection increases greater than the 2006 RWP of more than 5% and 18 others with decreases of more than 5% of projections. Also, all municipal WUGs in Jefferson, Orange, & Hardin Counties totaling 24 need to be examined in light of the industrial expansion occurring.	Arp, Brownsboro, Bullard, Chandler, Lumberton, Troup, & Tyler have been identified by the TWDB having increases more than 5% greater than projected. 18 other municipalities show population differences more than 5% less than projected. All municipal WUGs in Jefferson, Orange, & Hardin Counties totaling 24 need to be re-examined in light of the industrial expansion occurring.	\$3,000 <i>(Base Funds)</i> \$2,000 <i>(Additional Funds for Base Tasks)</i>
Revisions of water demand projections for water user groups and wholesale water providers, excluding steam-electric power demands	We need to revisit irrigation and manufacturing water demands for LNVA due to metered data being available for some irrigation users and the dramatic expansion in manufacturing capacity in Jefferson & Orange Counties	In addition to the irrigation and manufacturing demands, we anticipate revisions to a number of the 39 municipal WUGs enumerated above.	\$3,000 <i>(Base Funds)</i> \$2,000 <i>(Additional Funds for Base Tasks)</i>
Inclusion of cities, non-city water utilities and wholesale water providers not included in previous regional water plans and that meet the water user group or wholesale water provider definition	TWDB has provided us with the names of 11 municipal WUGs that need to be included in the 2011 RWP not in the 2006 Plan.	Angelina WSC, D&M WSC, Frankston Rural WSC, Melrose WSC, Rayburn Country MUD, Redland WSC, Sacul WSC, Sand Hills WSC, Walnut Grove WS, Woden WSC, Wright City WSC	\$3,000 <i>(Base Funds)</i> \$2,000 <i>(Additional Funds for Base Tasks)</i>
Review of new water demand projections for steam-electric power production	We anticipate 2010 demands above our 2006 Plan Projections. Also, we anticipate demands will change by county.	Potentially 10 counties	\$3,000 <i>(Base Funds)</i> \$2,000 <i>(Additional Funds for Base Tasks)</i>
Total Base Funding			\$12,000
Total Additional Funds for Base Tasks			\$8,000
Total Funding			\$20,000

Region I Expense Budget – Base Tasks

CATEGORY	TOTAL AMOUNT
Salaries & Wages ¹	\$6,500
Fringe ²	\$1,950
Travel	\$.00
Other Expenses ³	\$500
Subcontract Services	\$.00
Voting Planning Member Travel ⁵	\$.00
Overhead ⁴	\$8,450
Profit	\$2,600

Task 3: Water supply analysis

This task will focus primarily on updating existing water supply numbers included in the 2006 approved regional water plans based upon changed conditions. This work may include, but is not necessarily limited to:

1. updating groundwater supply volumes based on information resulting from updated Groundwater Availability Models.
2. updating firm yield of surface water supply volumes due to changed water rights or approved surface Water Availability Models.
3. updating the water supply to water user groups or wholesale water providers due to contractual or transmission infrastructure changes or due to changes in surface water rights by the Texas Commission of Environmental Quality.
4. **Additional Work** - Reconcile the differences in the TCEQ and TWDB databases for small water providers found in our Round 2 Planning work.
5. **Additional Work** – Evaluate the effects of Environmental Flow Policies on Water Rights, Water Availability, and Water Planning in East Texas
6. **Additional Work** – Review the Alternatives for Capturing and Storing Flood flows .
7. **Additional Work** – Review Water Quality Impacted water bodies in East Texas and their effect on water availability and water treatment requirements.
8. **Additional Work** – Refine Ground Water Availability considering water quality and geographic restrictions. Using groundwater quality contours already available categorize groundwater in the various East Texas Aquifers as needing minimal treatment, needing moderate treatment, and needing substantial treatment. Also note those areas where groundwater production is restricted by characteristics of the aquifer.

The predictive GAM for the Gulf Coast Aquifer is now available for use and was not available for the 2006 RWP. Region I needs to revise groundwater availability using this model. It is anticipated groundwater availability is likely to change for Jasper, Newton, Jefferson, Hardin, and Orange Counties. These counties have 69 WUGs utilizing groundwater for supply.

Subtask	Changed Conditions	Water User Groups/Wholesale Water Providers	Cost
Update groundwater supply volumes based on information resulting from updated Groundwater Availability Models	The Predictive Model for the Gulf Coast Aquifer is now available. Water Availability will potentially change for 69 WUGs.	69 WUGs in the counties of Jasper, Newton, Jefferson, Hardin, & Orange are dependent on groundwater from the Gulf Coast Aquifer	\$13,050 (<i>Base Funding</i>) \$8,950 (<i>Additional Funds for Base Tasks</i>)
Update the water supply to water user groups or wholesale water providers due to contractual or transmission infrastructure changes or due to changes in surface water rights by the Texas Commission of Environmental Quality.	Confirm no changes with TCEQ		\$2,000
Additional Work - Reconcile the differences in the TCEQ and TWDB databases for small water providers found in our Round 2 Planning work.			\$25,000
Additional Work – Evaluate the effects of Environmental Flow Policies on Water Rights, Water Availability, and Water Planning in East Texas			\$10,000
Additional Work – Review the Alternatives for Capturing and Storing Flood flows .			\$10,000
Additional Work – Review Water Quality Impacted water bodies in East Texas and their effect on water availability and water treatment requirements.			\$10,000
Additional Work – Refine Ground Water Availability considering water quality and geographic restrictions. Using groundwater quality contours already available categorize groundwater in the various East Texas Aquifers as needing minimal treatment, needing moderate treatment, and needing substantial treatment. Also note those areas where groundwater production is restricted by aquifer characteristics			\$20,000
Total Base Funding			\$15,050
Total Additional Funding for Base Tasks			\$8,950
Total Additional Funding for Additional Work			\$75,000
Total Funding			\$99,000

Region I Expense Budget – Base Tasks

CATEGORY	TOTAL AMOUNT
Salaries & Wages ¹	\$7,900
Fringe ²	\$2,370
Travel	\$.00
Other Expenses ³	\$300
Subcontract Services	\$.00
Voting Planning Member Travel ⁵	\$.00
Overhead ⁴	\$10,270
Profit	\$3,160

Task 4: Identification, evaluation and selection of water management strategies based on needs

This task will focus on the identification of water needs based upon changed conditions in demand or supply and updating the recommended water management strategies in the approved regional water plans as necessary.

This work **will** include:

- Update of water management strategies' capital cost estimates to second quarter 2007 price levels according to the Engineering News Record (ENR) Construction Cost Index (CCI). This can be accomplished by either updating total costs by applying the appropriate CCI conversion to each total cost in the current approved regional plan or by reevaluating/re-estimating costs at a more detailed level.
- Updating water management strategies annual costs (and any presented unit cost estimates) to reflect updated power and capital/debt service costs in accordance with revised capital costs or changes to power costs.

This work **may** include, but is not limited to:

- Identify, evaluate, and select new water management strategies for new water user groups or wholesale water providers with needs corresponding to individual retail public utilities and logical reporting units of retail public utilities and water user groups that have experienced changed conditions requiring the evaluation of additional or modified water management strategies. Examples of changed conditions include:
 - Documented changes in water demand such as projected demands exceeding the supplies available from previously adopted water management strategies,
 - Changes in availability such as supplies being less than demands, and
 - Regionalization of two or more water user groups.
- Revision of water management strategy analyses and modifications to existing water management strategies only if the water demands, water supply volumes, or identified water needs have changed.
- Review and revision of a water management strategy to ensure that all necessary project elements are included so as to qualify for funding under the TWDB Water Infrastructure Funding program.
- Development of new water management strategies if a strategy included in the current approved plan is: no longer feasible; if the regional planning group wants to add or remove a strategy; if a new water management strategy is identified; or if the sponsor of a strategy no longer supports the strategy.
- Development of a new or removal of an existing water management strategy based on revised water demand or supply figures.
- Revising analyses and descriptions as necessary for water management strategies (e.g. due to changes in routing, capacity, or timing) and revising the impact descriptions for any revised water management strategies.
- Establishment of alternative water management strategies: TWDB Rule 357.7(a)(7)(H) allows for the substitution of one evaluated alternative water management strategy for another if the strategy originally recommended is no longer feasible. These alternative water management strategies must be fully evaluated in terms of costs and impacts on water quality, the natural environment and agriculture. In addition, the regional water plan will specifically identify the alternative water management strategies that may be substituted to meet needs.

Subtask	Changed Conditions	Water User Groups/Wholesale Water Providers	Cost
Revision of construction costs	Required revision and increase in costs	All WUGs/WPPs with WMS in 2006 Plan	\$5,000 <i>(Base Funds)</i> \$2,000 <i>(Additional Funds for Base Tasks)</i>
Strategies to Meet Growth	We anticipate 17 Municipal WUGs with population projection increases greater than the 2006 RWP of more than 5% as identified by the TWDB. Also, all municipal WUGs in Jefferson, Orange, & Hardin Counties totaling 24 need to be examined in light of the industrial expansion occurring.	Bevil Oaks, Colmesneil, Corrigan, Diboll, Hudson, Jasper, Lufkin, New Summerfield, Pine Forest, Pinehurst, Pineland, Port Neches, Rose City, & Woodville identified by the TWDB. All municipal WUGs in Jefferson, Orange, & Hardin Counties totaling 24 need to be examined in light of the industrial expansion occurring.	\$15,000 <i>(Base Funds)</i> \$5,000 <i>(Additional Funds for Base Tasks)</i>
Development of new water management strategies if a strategy included in the current approved plan is: no longer feasible; if the regional planning group wants to add or remove a strategy; if a new water management strategy is identified; or if the sponsor of a strategy no longer supports the strategy.	City of Lufkin is no longer pursuing use of their water rights in Sam Rayburn Reservoir. Identified 11 WUGs Not Previously Identified in 2006 RWP	City of Lufkin, City of Zavalla, City of Huntington, Angelina WSC, Manufacturing in Angelina County, Four Way WSC are affected by Lufkin change.	\$7,000 <i>(Base Funds)</i> \$3,000 <i>(Additional Funds for Base Tasks)</i>
New Groundwater Availability Model (GAM)	GAM availability volumes released in November 2007.	Jasper, Newton, Jefferson, Hardin, & Orange Counties. See Attached Listing of 69 WUGs Potentially Affected	See Task 3
Amend Water Conservation Management Strategies as Appropriate based on Work Accomplished in Round 3 Phase I			\$5,000 <i>(Base Funds)</i> \$2,000 <i>(Additional Funds for Base Tasks)</i>
Total Base Funding			\$32,000
Total Additional Funds For Base Tasks			\$12,000
Total Funding			\$44,000

Region I Expense Budget – Base Tasks

CATEGORY	TOTAL AMOUNT
Salaries & Wages ¹	\$14,500
Fringe ²	\$4,350
Travel	\$.00
Other Expenses ³	\$500
Subcontract Services	\$.00
Voting Planning Member Travel ⁵	\$.00
Overhead ⁴	\$18,850
Profit	\$5,800

Task 5: Impacts of selected water management strategies on key parameters of water quality and impacts of moving water from rural and agricultural areas

The Planning Group must include a chapter in the regional water plan that provides a description of the major impacts of recommended WMS on key parameters of water quality. The Planning Group will select the key water quality parameters since they are in the best position to determine the factors that are important to the water sources of their region. Conditions resulting from implementation of recommended WMS are to be compared to current conditions to provide a comparison of the actual impacts of recommended WMS on water quality. In its evaluation of WMS, the Planning Group must quantitatively report impacts on agricultural resources including analysis of third-party impacts of moving water from rural and agricultural areas to urban areas.

Subtasks

1. Evaluate water quality impacts based on key parameters important to the water resource. (RPG will select the key water quality parameters.)
2. Compare existing water quality conditions with anticipated water quality after implementation of adopted WMS's using best available data.
3. Develop a quantitative reporting of impacts on agricultural resources including analysis of third-party impacts of moving water from rural and agricultural areas.
4. Provide draft(s) of Task 5 Chapter to RPG for review and comment. Make necessary changes as directed by the RPG.

Subtask	Changed Conditions	Affected Streams	Cost
New WMS	City of Lufkin is no longer pursuing use of their water rights in Sam Rayburn Reservoir. Identified 11 WUGs Not Previously Identified in 2006 RWP	Angelina & Neches Rivers	\$2,000
Establish new Irrigation and Manufacturing demands for LNVA	Metered Irrigation Data available for some farms. Increase in Industrial capacity greater than projected by 2006 Plan	Neches River, Taylor Bayou, Hillebrant Bayou	\$7,000
Total Base Funding			\$9,000

Region I Expense Budget – Base Tasks

CATEGORY	TOTAL AMOUNT
Salaries & Wages ¹	\$3,000
Fringe ²	\$900
Travel	\$.00
Other Expenses ³	\$.00
Subcontract Services	\$.00
Voting Planning Member Travel ⁵	\$.00
Overhead ⁴	\$3,900
Profit	\$1,200

Task 6: Water conservation and drought management recommendations

In Phase I of Round 3 planning the East Texas Regional Water Planning Group disaggregated municipal water uses to better identify effective water conservation strategies for WUGs using conservation as a water management strategy. In Round 3 Phase II planning East Texas will use the information developed by this effort to amend water conservation strategies recommended to those identified as more appropriate for the particular WUG and their water usage.

Activity	Labor Budget	Expense Budget	Total Budget
Revise Water Conservation Strategies as indicated by Round 3 Phase I Work for the ETRWPG	\$6,000	\$200	\$6,200
Prepare and Present Draft Report on Water Conservation in the ETRWP Area	\$2,000	\$150	\$2,150
Prepare and Present Final Report on Water Conservation in the ETRWP Area	\$1,500	\$150	\$1,650
Total Base Funding	\$9,500	\$500	\$10,000

Region I Expense Budget – Base Tasks

CATEGORY	TOTAL AMOUNT
Salaries & Wages ¹	\$3,300
Fringe ²	\$990
Travel	\$.00
Other Expenses ³	\$100
Subcontract Services	\$.00
Voting Planning Member Travel ⁵	\$.00
Overhead ⁴	\$4,290
Profit	\$1,320

Task 7: Description of how the regional water plan is consistent with long-term protection of the state’s water resources, agricultural resources, and natural resources

Work under this task will be limited to updating the current description in the 2006 regional water plan as necessary, for example, based on changed conditions and new water management strategies identified under previous tasks.

Additional Work – Perform a Literature Review to identify the most successful and feasible protection strategies for freshwater wetlands associated with bays and estuaries with particular emphasis on achieving maximum benefit per acre foot of water utilized.

Subtask	Changed Conditions	Revisions to Chapter 7	Cost
Revise description in 2006 RWP as necessary due to new Water Management Strategies and/or Changed Water Use Patterns	City of Lufkin, 11 new municipal WUGs, Industrial expansion greater than projected in Jefferson and Orange Counties Gulf Coast Aquifer Predictive GAM Available	Unknown at this time	\$10,000
Additional Work Perform a Literature Review to identify the most successful and feasible protection strategies for freshwater wetlands associated with bays and estuaries with particular emphasis on achieving maximum benefit per acre foot of water utilized.	Past practice has been to release water from reservoirs to retard salt water intrusion. This is only marginally successful and requires more water than is available. This is a huge unrecognized use of water. Identification of superior alternatives must be accomplished before the Sabine-Neches Ship Channel is deepened again as planned.		\$10,000
Total Base Funding			\$10,000
Total Additional Funding for Additional Work			\$10,000
Total Funding			\$20,000

Region I Expense Budget – Base Tasks

CATEGORY	TOTAL AMOUNT
Salaries & Wages ¹	\$3,300
Fringe ²	\$990
Travel	\$.00
Other Expenses ³	\$100
Subcontract Services	\$.00
Voting Planning Member Travel ⁵	\$.00
Overhead ⁴	\$4,290
Profit	\$1,320

Task 8: Unique stream segments/reservoir sites/legislative recommendations

Work under this task will be limited to updating the current descriptions of and potential revisions to recommendations for unique reservoir or stream segments in the currently approved regional plan and updating legislative recommendations as necessary. The legislative recommendations are to be developed by planning groups in a similar manner as for the previous approved regional water plans.

The TWDB commissioned a study to update environmental resources after Round II Planning. We propose to use the information in this updated source to consider designation of Unique Stream Segments and Reservoir Sites. We will also use this resource in evaluating Water Management Strategies

A presentation will be made to the RPG identifying those significant stream segments that have any three of the five characteristics qualifying them as a significant stream. Following identification of these selected segments recommendations will be solicited for unique status. If the RWPG decides to recommend a river or stream segment for unique status, a recommendation package consisting of a physical description giving the location of the stream segment, maps, photographs, and a site characterization documented by supporting literature and data will be developed.

The recommendation package will address the required biological and hydrological function criteria. The recommendation package will be forwarded to the Texas Parks and Wildlife Department for comment. Any corrections or amendments required by the TPWD will be made before inclusion into the region water supply plan.

Activity	Labor Budget	Expense Budget	Total Budget
Prepare Report to RWPG on Resources meeting 3 or more criteria of a Significant Stream Segment			\$5,000
Prepare a Report to RWPG on Historically Recognized Reservoir Sites for their consideration to select sites for recommendation as unique			\$5,000
Prepare recommendations for unique reservoir sites and/or stream segments as directed by ETRWPG			\$3,000
Update legislative recommendations as necessary			\$2,000
Total Base Funding			\$15,000

Region I Expense Budget – Base Tasks

CATEGORY	TOTAL AMOUNT
Salaries & Wages ¹	\$4,800
Fringe ²	\$1,440
Travel	\$0.00
Other Expenses ³	\$600
Subcontract Services	\$0.00
Voting Planning Member Travel ⁵	\$0.00
Overhead ⁴	\$6,240
Profit	\$1,920

Task 9: Report to Legislature on Water Infrastructure Funding Recommendations

A provision was integrated into the scope of work for the second round of regional water planning to survey municipal water user groups with needs in order to develop infrastructure funding recommendations.

To meet this requirement during the current round of regional planning, regional water planning groups must update their assessment of funding needs through a water user group survey similar to the last round. Additional task guidance and a Board-developed survey instrument will be provided prior to execution of the contract.

Subtasks

1. Identify new WUGs with water supply needs to be surveyed.
2. Prepare, distribute, and retrieve surveys from local governments, regional authorities, and other political subdivisions that depict how they intend to finance their infrastructure projects.
3. Assist RPG in developing probable funding mechanisms for county aggregate groups such as livestock, mining, and irrigation where no political subdivision is responsible for the provision of water supplies.
4. Assist RPG in developing a policy statement that describes the role proposed for the State in financing projects identified in the regional water plan.
5. Prepare a report for adoption by the RPG that summarizes the survey results and answers the question related to the role of the State in financing water infrastructure.

Activity	Labor Budget	Expense Budget	Total Budget
Identify new WUGs with water supply needs to be surveyed			\$1,000
Prepare, distribute, and retrieve surveys from local governments, regional authorities, and other political subdivisions that depict how they intend to finance their infrastructure projects.			\$3,000
Assist RPG in developing probable funding mechanisms for county aggregate groups such as livestock, mining, and irrigation where no political subdivision is responsible for the provision of water supplies			\$3,000
Assist RPG in developing a policy statement that describes the role proposed for the State in financing projects identified in the regional water plan.			\$1,000
Prepare a report for adoption by the RPG that summarizes the survey results and answers the question related to the role of the State in financing water infrastructure.			\$1,400
Total Base Funding			\$9,400

Region I Expense Budget – Base Tasks

CATEGORY	TOTAL AMOUNT
Salaries & Wages ¹	\$3,000
Fringe ²	\$900
Travel	\$.00
Other Expenses ³	\$400
Subcontract Services	\$.00
Voting Planning Member Travel ⁵	\$.00
Overhead ⁴	\$3,900
Profit	\$1,200

Task 10: Adoption of plan

This task includes public participation, eligible administrative costs, eligible planning group member travel and, if elected, scope of work development. This task has a similar scope and effort as funded during the second round of regional planning.

Public participation was important in the development and adoption of the 2006 regional water plans and will continue to be so in this next round of regional water planning. Activities conducted by professional public relations staff are intended to inform and involve the members of the public.

This task will gain public input for various aspects of the water plan development. It is anticipated that the Regional Water Planning Group will provide significant input on the approach to be taken to gain representative public input. The strategy may include establishing focus groups aimed at specific areas of interest, use of technical subcommittees to provide information and technical support, or a website to dispense information regarding the progress of the study and an electronic mailbox to receive public comment. It is anticipated that there will be three public meetings at various locations within the region to present findings of Tasks 1-3 and receive input from the public. Additionally, the required public hearing for receiving public comment on the plan will be held in at least three cities in the region to maximize public participation.

This task will at a minimum insure compliance with TAC Chapter 357.12 (a)(2)-(4) Notice and Public Participation.

A report presenting the East Texas Regional Water Plan will be prepared, and input from the public through a public meeting will be solicited. The initial tasks will include preparation of a draft report which summarizes the results of this planning project.

A public hearing will be conducted to solicit comments on the recommendations in the plan. A summary of public comments and the steps to address those comments will be prepared and incorporated into a revised plan for submittal to the TWDB.

The regional water planning group shall submit in a timely manner to the executive administrator information on any known interregional conflict between regional water plans.

The regional water planning group shall seek to resolve conflicts with other regional water planning groups and shall participate in any board sponsored efforts to resolve interregional conflicts.

The regional water planning group shall modify the regional water plan to incorporate board resolutions of interregional conflicts.

Upon receipt of input from the RWPG and the public, the final plan will be completed and submitted to the RWPG for adoption. The adopted plan will be submitted to the TWDB by January 1, 2011. Copies of the plan will be distributed to the various stakeholders.

The regional water planning group will transfer copies of all data and reports generated by the planning process and used in developing the regional water plan to the TWDB executive administrator. To the maximum extent possible, data shall be transferred in digital form according to specifications provided by the executive administrator. One copy of all reports prepared by the regional water planning group shall be provided in digital format according to specifications provided by the executive administrator. All digital mapping shall use a geographic information system according to specifications provided by the executive administrator. The executive administrator shall seek the input from the Texas Geographic Information Council regarding specifications mentioned in this subsection.

Products:

- Periodic Newsletter for East Texas Water Planning
- Periodic news releases to regional and state media outlets
- Maintenance of the ETRWPG Website
- Draft Report
- Final Report
- Notification of interregional conflicts, if any

Activity	Labor Budget	Expense Budget	Total Budget
Preparation of Scope of Work			\$10,000
Consultants Attend & Participate in RWPG Meetings			\$60,000
Region Newsletters			\$12,000
News Releases			\$7,000
Website Maintenance			\$7,000
Public Hearing for Adoption of Plan			\$6,810
Travel Expenses for Planning Group Members		\$6,250	\$6,250
Total Base Funding			\$109,060

Region I Expense Budget – Base Tasks

CATEGORY	TOTAL AMOUNT
Salaries & Wages ¹	\$33,000
Fringe ²	\$9,900
Travel	\$1,000
Other Expenses ³	\$2,810
Subcontract Services	\$0.00
Voting Planning Member Travel ⁵	\$6,250
Overhead ⁴	\$42,900
Profit	\$13,200

November 6, 2007

Projected Regional Water Planning Timeline (2007-2011)

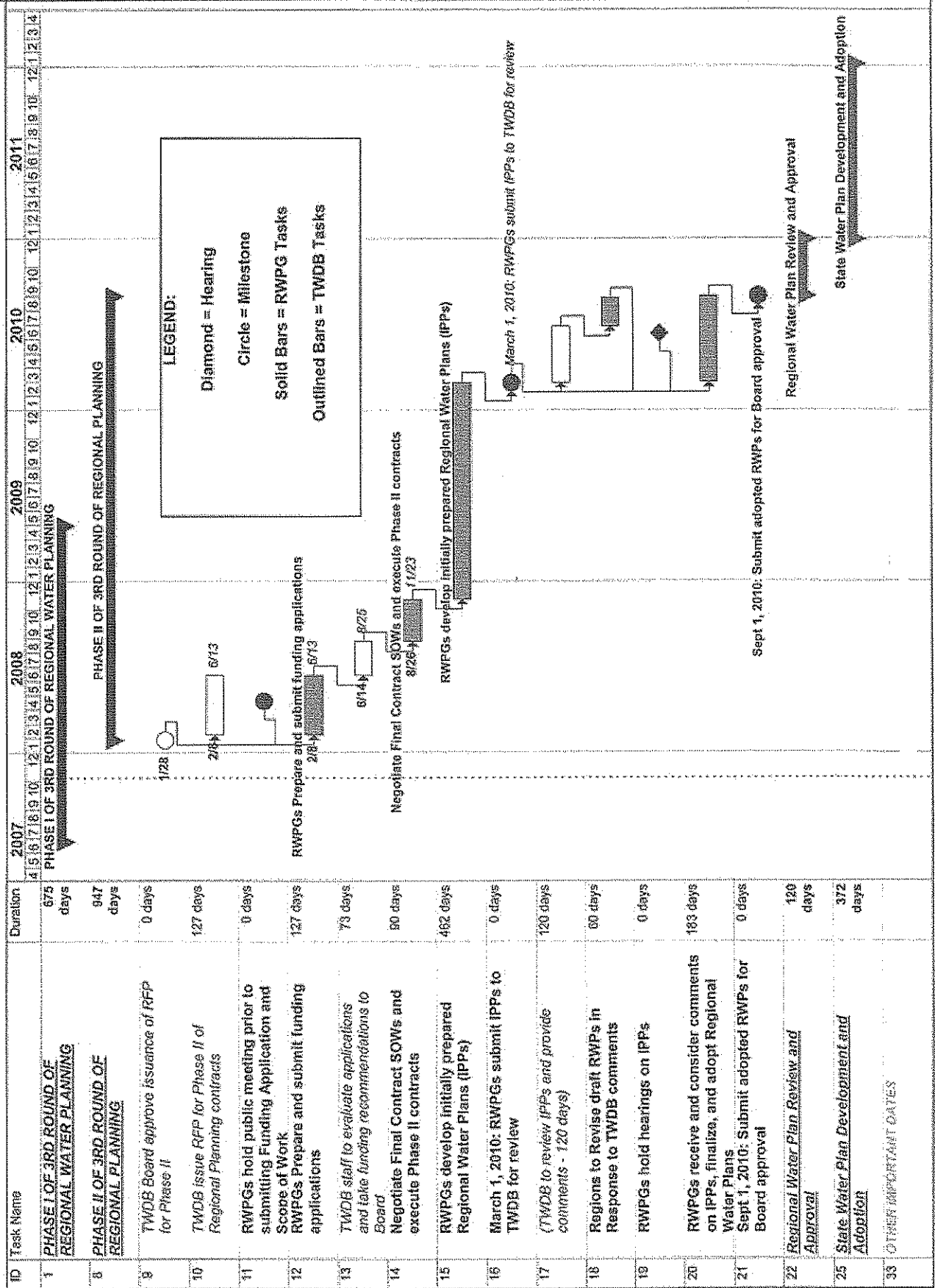


Exhibit B

Public Notice Publisher's Affidavit

TO ALL INTERESTED PARTIES:

**Notice of Public Meeting and Notice of Application to the
Texas Water Development Board for State Financial
Assistance to Update the East Texas Regional Water Plan**

May 2, 2008

The East Texas Water Planning Region is a 20-county area including Anderson, Angelina, Cherokee, Hardin, Henderson, Houston, Jasper, Jefferson, Nacogdoches, Newton, Orange, Panola, Polk, Rusk, Sabine, San Augustine, Shelby, Smith, Trinity, and Tyler counties.

- (1) **Notice is hereby given** that the East Texas Regional Water Planning Group (ETRWPG) is applying for a grant from the Texas Water Development Board (TWDB) in response to a request for proposals issued pursuant to 31 TAC § 355.92 to implement special studies to address changed conditions affecting the Regional Water Plan and to aid in preparing the 2011 Regional Water Plan in accordance with Texas Water Code § 16.053. The proposed grant application will be submitted on June 13, 2008 and will be considered by the Texas Water Development Board (TWDB) at its meeting in August, 2008. The East Texas Regional Water Planning Group has designated the City of Nacogdoches to submit the application to the TWDB.

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As required by 31 TAC Chapter 357.12(a)(1), public comment will be received at a **Public Meeting** to be held:

Date: June 4, 2008
Time: 10 a.m.
Location: Nacogdoches Recreation Center
1112 North Street
Nacogdoches, Tx

The ETRWPG will meet to consider the public comment and the draft application immediately following the public meeting. Written comments on the proposed scope of work should be submitted to Lila Fuller, at the address shown below, within 30 days of the date of this notice.

Written comments on the application for funding must be filed with the Executive Administrator of the TWDB (see the address below) and the City of Nacogdoches by 5:00 p.m. June 2, 2008.

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Lila Fuller
City of Nacogdoches
202 East Pilar St.
Nacogdoches, Tx 75963

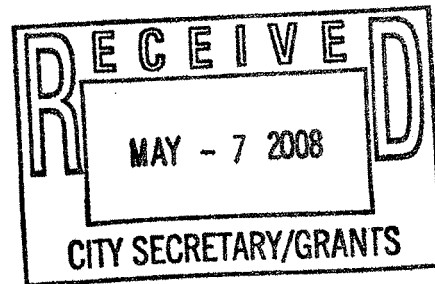
J. Kevin Ward
Executive Administrator
Texas Water Development Board
P. O. Box 13231
Austin, Texas 78711

Questions or requests for additional information may be submitted to: Gary C. Graham, P.E. Schaumburg & Polk, Inc. 8865 College Street Beaumont, Tx 77707 Fax 409-866-0337. Mr. Graham is the project manager for the East Texas Regional Water Planning Group.

Tyler Morning Telegraph
P.O. Box 2030
Tyler, TX 75710

05/02/08

Phone:(903) 592-3818 Fax:(903) 597-4987 Email:classified@tylerpaper.com



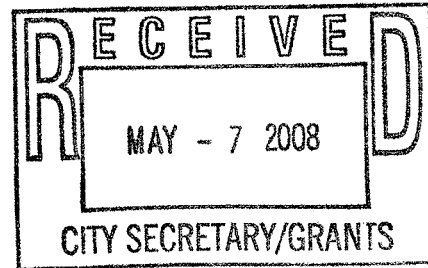
Account:	Date: 05/02/08
Name: LILA FULLER	Start Date: 05/02/08
Company: REGION I WATER PLAN- NING ATTN: LILA FULLE	Stop Date: 05/02/08
Address: PO BOX 635030	Class: Public Notices
NACOGDOCHES, TX 75963	Ad ID: 1081523
Telephone: (936) 559-2504	Ad Taker: REECE
Description: TO ALL INTERESTED PAR- TIES: Notice of	Sales Person: 00
	Words: 463
	Lines: 133
	Agate Lines: 139
	Depth: 11.528
	Blind Box:

Discount:	\$0.00	Gross:	\$122.96
Surcharge:	\$0.00	Paid Amount:	- \$0.00
Credits:	\$0.00		
Bill Depth:	11.528	Amount Due:	\$122.96

Ad Note:

Customer Note:

We Appreciate Your Business!
Thank You LILA FULLER!



PUBLISHER'S AFFIDAVIT

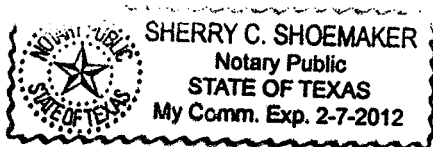
THE STATE OF TEXAS, }
COUNTY OF SMITH }

I, Shannon Hildreth do solemnly swear that I am Classified Advertising Manager of the TYLER MORNING TELEGRAPH AND TYLER COURIER-TIMES TELEGRAPH, printed and published in the City of Tyler, County of Smith, State of Texas, and that from, my own personal knowledge and reference to the files of said publication. The notice stating "TO ALL INTERESTED PARTIES: Notice of", was inserted in the Tyler Morning Telegraph on the dates as follows: 05/02/08

Handwritten signature of Shannon Hildreth

Shannon Hildreth

Subscribed and sworn to before me this 05/02/08 A.D.



Handwritten signature of Sherry C. Shoemaker

Sherry C. Shoemaker
Notary Public, Smith County, Texas

My Commission Expires 2/7/2012

Invoice # 1081523

Ad Clerk REECE

TO ALL INTERESTED PARTIES:

Notice of Public Meeting and Notice of Application to the Texas Water Development Board for State Financial Assistance to Update the East Texas Regional Water Plan

May 2, 2008

The East Texas Water Planning Region is a 20-county area including Anderson, Angelina, Cherokee, Hardin, Henderson, Houston, Jasper, Jefferson, Nacogdoches, Newton, Orange, Panola, Polk, Rusk, Sabine, San Augustine, Shelby, Smith, Trinity, and Tyler counties.

(1) Notice is hereby given that the East Texas Regional Water Planning Group (ETRWPG) is applying for a grant from the Texas Water Development Board (TWDB) in response to a request for proposals issued pursuant to 31 TAC § 355.92 to address changed conditions affecting the Regional Water Plan and to act in preparing the 2011 Regional Water Plan in accordance with Texas Water Code § 16.053. The proposed grant application will be submitted on June 13, 2008 and will be considered by the Texas Water Development Board (TWDB) at its meeting in August, 2008. The East Texas Regional Water Planning Group has designated the City of Nacogdoches to submit the application to the TWDB.

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**of Application to
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Development Board
for State Financial
Assistance to
Update the
East Texas Regional
Water Plan**

May 2, 2008

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Nacogdoches, TX

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Lila Fuller
202 East Pilar St.
City of Nacogdoches
Nacogdoches, TX 75963

J. Kevin Ward
Executive Administrator
Texas Water
Development Board
P. O. Box 13231
Austin, Texas 78711

**Questions or requests
for additional
information may be
submitted to:**

Gary C. Graham, P.E. Schaumburg & Polk, Inc. 8865 College Street Beaumont, TX 77707 Fax 409-886-0387. Mr. Graham is the project manager for the

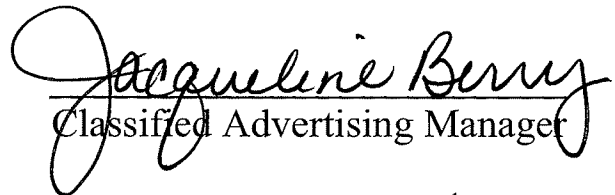
The Daily Sentinel

4920 COLONIAL DRIVE • PO BOX 630068 • NACOGDOCHES, TEXAS 75963-0068 • (936) 564-8361
Karla DeLuca, Editor & Publisher Ferris H. Fain, President & General Manager

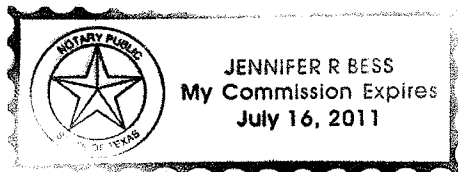
THE STATE OF TEXAS COUNTY OF Nacogdoches

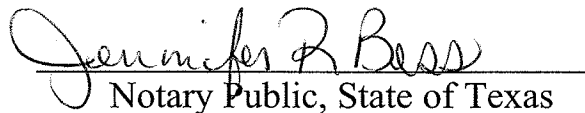
BEFORE ME, the undersigned, a Notary Public, this day personally came **Jacqueline Berry** who after being sworn according to law that she is the CLASSIFIED ADVERTISING MANAGER FOR **THE DAILY SENTINEL**.

THE PUBLISHERS, of **THE DAILY SENTINEL**, a daily newspaper published in Nacogdoches, Texas, in said County and State, attest that the attached printed material was published in said newspaper on MAY 2nd, 2008.


Classified Advertising Manager

SUBSCRIBED AND SWORN TO BEFORE ME THIS THE 29th day of May, 2008.




Notary Public, State of Texas

__ Jennifer R. Bess __
Notary's Printed Name

EMPLOYMENT

**BUY IT!
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**ACCOUNTING/
FINANCE** 356

Accountant Position
Construction Co. has a FT position that includes all aspects of accounting. Bachelor's degree and references are required. Salary is commensurate with experience. Benefits are available. Send resume to: **PL 151630 c/o The Lufkin Daily News, P.O. Box 1089 Lufkin, Texas 75902**

**CLERICAL/
ADMINISTRATIVE** 364

PT TECH
Part Time, afternoons - personable and responsible. Please fax resume to 936-564-0745 or mail to 3909 NE Stallings, Nacogdoches, TX 75965

CONSTRUCTION 366

Carpentry - Log home builder needing Carpenters & Helpers. Some out of town work, must have transportation, hand tools. 936-559-0118, leave msg.

HEALTHCARE 374

Nursing
Oak Manor Nursing Home is seeking a **Director of Nursing** for our 60 bed facility.

Qualified candidates will possess the following:
* 2 or 4 year degree from an accredited college
* A minimum of 4 years in the Long Term Health Care industry (Management) to include State and Federal survey.
* Proven leadership and staff development skills.

We are also seeking a **part-time LVN/RN-Fri & Sat 10-6 shift.**

Excellent benefits including: 100% Paid STD/LTD Life Insurance & AD&D Vacation/Sick. We also offer voluntary, Medical/Dental/Vision/401K

To learn more about Nexion, visit our web site at: www.nexion-health.com

Contact or send resumes to Cindy Pugh, Administrator
1200 Ferguson, Nacogdoches, TX 75961
Ph: 936-564-7359
Fax: 936-564-6503
EOE M/F/D/V

**RESTAURANT/
FOOD SERVICE**

WENDY'S in Nacogdoches is now hiring & night, Full or P/T including Manager. Top pay with room advancement. Please apply in person, 11:25pm, 1602 N. St.

RETAIL

PUBLIC NOTICE OF BID
The Region VII Educational Service Center is soliciting bids on behalf of one hundred and eighteen (118) education entities and one (1) education service center in the Region VII Purchasing Cooperative. Bids are solicited for the following categories:

CATEGORY	OPENING DATE/TIME
Library Books & Supplies	May 29, 2008/ 1:30 PM
Construction, Building & Supplies	June 02, 2008/ 1:30 PM

Itemized specifications, estimated quantities, or estimated expenditures may be requested by contacting the Purchasing Cooperative Department, Region VII Education Service Center, 1909 N. Longview St., Kilgore, Texas, 75662, phone numbers (903) 988-6859 or (903) 988-6786 or FAX: (903) 988-6852. Bids will be opened at the Education Service Center on each opening date at designated time. **Late bids will be returned unopened.** The Board of Directors reserves the right to make final decisions as to the recommendation by the Purchasing Committee.

TO ALL INTERESTED PARTIES:
Notice of Public Meeting and Notice of Application to the Texas Water Development Board for State Financial Assistance to Update the East Texas Regional Water Plan

May 2, 2008

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Lila Fuller, Executive Administrator
City of Nacogdoches, Texas Water Development Board
202 East Pillar St., Nacogdoches, TX 75963
J. Kevin Ward, P.O. Box 13231
Austin, Texas 78711

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Carpentry - Log home builder needing Carpenters & Helpers. Some out of town work, must have transportation, hand tools. 936-559-0118, leave msg.

Construction Full-time Quality Licensed Construction Plumber. Minimum of 1yr. exp. required. Also an experienced plumber's helper. Call 936-569-1115.

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CUSTOMER SERVICE 368

Cashier
Chevron convenience stores now accepting applications for FT second shift & graveyard shift positions. Apply in person at 207 Bremond. No phone calls please.

HEALTHCARE 374

Healthcare Southland Healthcare

has an immediate openings for:
Weekend RN Supervisor
Full time Nurse LVN, RN 10-6
CNA's all shifts

Please apply in person at
501 N. Medford Dr. - Lufkin

LPC(S) Needed for Individual Therapy in Residential Treatment Center. Must be self-motivated and able to bill Medicaid. Potential earning \$70K+.

Send Resume to:
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Woodville, TX 75979
or fax to:
(409)283-6049

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Excellent benefits including: 100% Paid STD/LTD Life Insurance & AD&D Vacation/Sick. We also offer voluntary, Medical/Dental/Vision/401K

To learn more about Nexion, visit our web site at: www.nexion-health.com

Contact or send resumes to Cindy Pugh, Administrator
1200 Ferguson, Nacogdoches, TX 75961
Ph: 936-564-7359
Fax: 936-564-6503
EOE M/F/D/V

MANAGEMENT CONSULTING 382

Management
A new entrant into the Nacogdoches market is looking for a manager to join our team! Responsibilities include consulting with customers on our financial products, marketing, collections and maintaining good-standing relationships with our customers. Cash handling experience is a plus, must have basic computer knowledge, and maintain a friendly, positive attitude. Benefits, 25K+, bonus programs. Email resume to hrldecash.easttx@yahoo.com or fax to (214)637-1340

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The Daily Sentinel
564-SALE

**RESTAURANT/
FOOD SERVICE** 400

Cashier
Part/full time, Mon. - Sat. Must have experience and local references. Apply in person
Butcher Boys, 603 N. Street. No phone calls please.

General
Front desk (pm). Must be willing to work! Apply in person at Fredonia Hotel, 200 N. Fredonia, Nacogdoches.

General
Waitstaff & Hostesses. Must be willing to work! Apply in person at Fredonia Hotel, 200 N. Fredonia, Nacogdoches.

COUNTER HELPER WANTED: Some dependable, a good worker, and mature. No phone calls please. Apply in person @ North University D

Sales

Sales position available. Must have a & building materials exp. Apply in person at 316 Regal Row in Lufkin

Sales
Several sales representatives needed for company covering Lufkin, Nacogdoches and Center. Attr. commission, ben. training. App. must be well spoken, presentable and energetic. Only Call from 9am to 5pm. M-schedule an interview 936-715-5103

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Other

A/C Tech, 4 yrs. e. Freon cert., Broad. Call 936-872-30

Applicants meet with A/C experie. Start immediate. Please apply in person
Spherion
818 N. University St. # 102

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The Daily Sentinel CLASSIFIEDS
564-SALE

Automotive
Valvoline Express now hiring for F/T. Call Apply at 1112 W. F

Britt United Staff taking applications for all positions:
1001 Lee Ave. Lufkin, also at 21 St. in Nacogdoches
Call United Staff Agency 936-634-936-569-232

Cashier
Excel Car Wash hiring for Part Service Writers & Cleaners. Apply in person 309 South Timber

Place your ad anytime, anywhere at dailysentinel.com

EXCITING CAREER OPPORTUNITY FOR A MOTORHOME TECHNICIAN

Terrific, fast-growing company is looking for a positive and enthusiastic person to join our team. If you enjoy working with customers and take pride in what you do, this may be the perfect job for you.

Publishers Affidavit

Acct #082782103 Job =177628301
Name CITY OF NACOGDOCHES

Tear Sheet Attached
3900650 B24146349

STATE OF TEXAS
COUNTY OF JEFFERSON

BEFORE ME, THE UNDERSIGNED AUTHORITY, ON THIS DAY PERSONALLY APPEARED Netta Dumes
WHO BEING BY ME DULY SWORN, DEPOSES AND SAYS THAT HE/SHE IS THE CLASSIFIED REPRESENTATIVE
OF THE BEAUMONT ENTERPRISE; THAT SAID NEWSPAPER REGULARLY PUBLISHED IN JEFFERSON COUNTY
CIRCULATED IN JEFFERSON, HARDIN, TYLER, NEWTON, ORANGE, JASPER, LIBERTY, SABINE, CHAMBERS,
SAN AUGUSTINE, ANGELINA AND GALVESTON COUNTY (COUNTIES), TEXAS; THAT THE ATTACHED NOTICE
IN SAID NEWSPAPER ON THE FOLLOWING DATE(S), TO WIT: None

05-02-08

SWORN AND SUBSCRIBED TO BEFORE ME, THIS 5TH DAY OF MAY 2008,

TO CERTIFY WHICH WITNESS MY HAND AND SEAL OF OFFICE.



Maria Irene Brooks
NOTARY PUBLIC IN AND FOR
THE STATE OF TEXAS
Maria Irene Brooks
PRINT OR TYPE NAME OF NOTARY PUBLIC
MY COMMISSION EXPIRES 11-27-11

TO ALL INTERESTED PARTIES:

Notice of Public Meeting and Notice of Application to the Texas Water Development Board for State Financial Assistance to Update the East Texas Regional Water Plan

May 2, 2008

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Lila Fuller
City of Nacogdoches
202 East Pilar St.
Nacogdoches, TX 75963

J. Kevin Ward
Executive Administrator

Exhibit C

Recipients

Gerald Hebert, Sr.
Mayor of Appleby
223 CR 257
Nacogdoches TX 75965

William Barth
Mayor of Braoddus
PO Box 149
Broaddus TX 75929

Monica Garrett
Mayor of Browndell
PO Box 430
Brookeland 75931

John Thomas Jones
Mayor of Burke
RT 3 Box 315
Diboll TX 75941

John D. Windham
Mayor of Center
PO Box 1744
Center TX 75935

C. E. Lawrence
Mayor of Chester
PO Box 87
Chester TX 75936

Warner Wilson
Mayor of Chireno
PO Box 87
Chireno TX 75937

Pat Eversole
Mayor of Coldspring
PO Box 247
Coldspring TX 77331

Don Baird
Mayor of Colmesneil
PO Box 144
Colmesneil TX 75938

Grimes Fortune
Mayor of Corrigan
101 W. Ben Franklin
Corrigan TX 75939

Wayne Mask
Mayor of Crockett
200 North Fifth
Crockett TX 75835

Don B. Richards
Mayor of Cushing
PO Box 365
Cushing TX 75760

Bill Brown
Mayor of Diboll
PO Box 340
Diboll TX 75941

Patsy Nugent
Mayor of Garrison
129 W. Greenwood Street
Garrison TX 75946

Nita Gokey
Mayor Pro Tem of Goodrich
PO Box 277
Goodrich TX 77335

Dan Walling
Mayor of Grapeland
PO Box 567
Grapeland TX 75844

Troy Jones
Mayor of Groveton
PO Box 37
Groveton TX 75845

Robert Hamilton
Mayor of Hemphill
PO Box 788
Hemphill TX 75948

Robert Smith
Mayor of Hudson
201 Mt. Carmel Road
Lufkin TX 75904

Herman Woolbright
Mayor of Huntington
PO Box 349
Huntington TX 75949

Larry Vaughn
Mayor of Huxley
11798 FM 2694
Shelbyville TX 75973

David G. Barber
Mayor of Jasper
PO Box 610
Jasper TX 75951

Steve Hughes
Mayor of Joaquin
PO Box 237
Joaquin TX 75954

Bill L. Thomas
Mayor of Kennard
PO Box 115
Kennard TX 75847

Giles Horn, Sr.
Mayor of Kirbyville
107 S. Elizabeth
Kirbyville TX 75956

Deborah Bruner
Mayor of Latexo
PO Box 1108
Latexo TX 75849

Ben R. Ogletree, Jr.
Mayor of Livingston
200 W. Church
Livingston TX 77351

Michael R. Broxson
Mayor of Lovelady
PO Box 83
Lovelady TX 75851

Jack Gorden
Mayor of Lufkin
PO Drawer 190
Lufkin TX 75902-0190

Roger Van Horn
Mayor of Nacogdoches
PO Box 635030
Nacogdoches TX 75963-5030

Rachel Martin
Mayor of Newton
101 North Street
Newton TX 75966

Lew Vail
Mayor of Onalaska
PO Box 880
Onalaska TX 77360

Douglas Durbin
Mayor of Pineland
PO Box 6
Pineland TX 75968

Lillian Bratton
Mayor of Point Blank
PO Box 474
Point Blank TX 77364

Leroy Hughes
Mayor of San Augustine
301 S Harrison
San Augustine TX 75972

Ann Wallace
Mayor of Seven Oaks
PO Box 79
Leggett TX 77350

Pat A. Killion
Mayor of Shepherd
11020 Hwy 150
Shepherd TX 77371

George N. Bowers
Mayor of Teneha
PO Box 70
Teneha TX 75974

Douglas McDonald
Mayor of Timpson
PO Box 369
Timpson TX 75975

Lyle Stubbs
Mayor of Trinity
PO Box 431
Trinity TX 75862-0431

Tony Castillo
Mayor of Woodville
400 West Bluff
Woodville TX 75979

Hulon Miller
Mayor of Zavalla
PO Box 108
Zavalla TX 75980

ANDERSON COUNTY CEDAR CREEK
WSC
3350 W STATE HIGHWAY 294
ELKHART, TX 75839-4090

ANDERSON COUNTY UWCD
450 AN COUNTY ROAD 409
PALESTINE, TX 75803-1576

B B S WSC
PO BOX 75
MONTALBA, TX 75853-0075

B C Y WSC
PO BOX 7
TENNESSEE COLONY, TX 75861-
0007

BRUSHY CREEK WSC
PO BOX 168
MONTALBA, TX 75853-0168

CAYUGA WSC
PO BOX 338
CAYUGA, TX 75832-0338

CITY OF ELKHART
PO BOX 944
ELKHART, TX 75839-0944

CITY OF FRANKSTON DOWNTOWN
PLANT
PO BOX 186
FRANKSTON, TX 75763-0186

CITY OF PALESTINE
504 N QUEEN ST
PALESTINE, TX 75801

DOGWOOD SPRINGS WSC
PO BOX 608
FRANKSTON, TX 75763-0608

FOUR PINES RURAL WSC
905 BASSETT ROAD
PALESTINE, TX 75803

FRANKSTON RURAL WSC
PO BOX 725
FRANKSTON, TX 75763-0725

IONI WATER SUPPLY
1149 AN COUNTY ROAD 186
ELKHART, TX 75839-5857

LONE PINE WSC
PO BOX 1616
PALESTINE, TX 75802-1616

MONTALBA WSC
PO BOX 73
MONTALBA, TX 75853-0073

NECHES WSC
PO BOX 217
NECHES, TX 75779-0217

PLEASANT SPRINGS WSC
PO BOX 146
ELKHART, TX 75839-0146

SLOCUM WSC
5720 E STATE HIGHWAY 294
ELKHART, TX 7583

TUCKER WSC
PO BOX 593
ELKHART, TX 75839-0593

UPPER NECHES RIVER MUNICIPAL
WATER AUTHORITY
PO BOX 1965
PALESTINE, TX 75802-1965

WALSTON SPRINGS WSC
PO BOX 910
PALESTINE, TX 75802-0910

ANGELINA & NECHES RIVER
AUTHORITY
PO BOX 387
LUFKIN, TX 75902-0387

ANGELINA COUNTY FWSD 1
PO BOX 387
LUFKIN, TX 75902-0387

ANGELINA WSC
5978 FM 841
LUFKIN, TX 75901

ANGELINA-NACOGDOCHES
COUNTIES WCID 1
P O BOX 150607
LUFKIN, TX 75915-0607

BEULAH WSC
RR 2 BOX 4460
LUFKIN, TX 75901

CENTRAL WCID OF ANGELINA
COUNTY
5307 N US HIGHWAY 69
POLLOK, TX 75969-4549

CITY OF DIBOLL
PO BOX 340
DIBOLL, TX 75941-0340

CITY OF HUNTINGTON
PO BOX 349
HUNTINGTON, TX 75949-0349

CITY OF LUFKIN
PO DRAWER 190
LUFKIN, TX 75901-0190

CITY OF ZAVALLA
PO BOX 108
ZAVALLA, TX 75980-0108

FORT STANLEY AREA WATER
UTILITY
PO BOX 250
HUNTINGTON, TX 75949-0250

FOUR WAY SUD
PO BOX 250
HUNTINGTON, TX 75949-0250

HUDSON WSC
3032 TED TROUT DR
LUFKIN, TX 75904-3532

IDLEWOOD WCID 1
211 PEBBLE CREEK ST
LUFKIN, TX 75904

M & M WSC
4616 E STATE HIGHWAY 103
LUFKIN, TX 75901

PINEYWOODS GCD
300 E SHEPHERD
LUFKIN, TX 75901-3252

PLEASURE POINT PROPERTY
OWNERS
PO BOX 163
ZAVALLA, TX 75980-0163

POLLOK REDTOWN WSC
PO BOX 10
REDTOWN, TX 75969-0010

PRAIRIE GROVE WSC
RR 1 BOX 492
DIBOLL, TX 75941-9709

RAYLAKE WATER SUPPLY
CORPORATION
PO BOX 120
ZAVALLA, TX 75980-0120

REDLAND WSC
5350 US HIGHWAY 59 N
LUFKIN, TX 75901-8528

SUN N FUN ASSOCIATION
PO BOX 115
ZAVALLA, TX 75980-0115

WALNUT BEND WATER SYSTEM
PO BOX 326
WELLS, TX 75976-0326

WALNUT RIDGE ESTATES WATER
SYSTEM
PO BOX 427
ZAVALLA, TX 75980-0427

WOODLAWN WSC
3015 TED TROUT DR STE C
LUFKIN, TX 75904

AFTON GROVE WATER SUPPLY
CORPORATION
PO BOX 1282
JACKSONVILLE, TX 75766-1282

ALTO RURAL WATER SUPPLY
CORPORATION
PO BOX 616
ALTO, TX 75925-0616

BLACKJACK WSC
706 COUNTY ROAD 4228
TROUP, TX 75789

CITY OF ALTO
PO BOX 447
ALTO, TX 75925-0447

CITY OF JACKSONVILLE
PO BOX 1390
JACKSONVILLE, TX 75766-1390

CITY OF NEW SUMMERFIELD
PO BOX 38
NEW SUMMERFIELD, TX 75780-0038

CITY OF REKLAW
PO BOX 250
REKLAW, TX 75784-0250

CITY OF RUSK
408 NORTH MAIN
RUSK, TX 75785

CITY OF WELLS
PO BOX 8
WELLS, TX 75976-0008

CRAFT TURNEY WSC
505 SE LOOP 456
JACKSONVILLE, TX 75766-9479

CUNEY MUNICIPAL WATER CORP
PO BOX 68
CUNEY, TX 75759-0068

DIALVILLE OAKLAND WSC
PO BOX 1029
RUSK, TX 75785-1029

FOREST WSC
PO BOX 311
WELLS, TX 75976-0311

GALLATIN WSC
PO BOX 140
GALLATIN, TX 75764-0140

GUM CREEK WSC
BOX 1230
JACKSONVILLE, TX 75766-1230

IRON HILL WSC
RT 2 BOX 300
RUSK, TX 75785

MAYDELLE WSC
PO BOX 44
MAYDELLE, TX 75772-0044

NORTH CHEROKEE WSC
PO BOX 1021
JACKSONVILLE, TX 75766-1021

RUSK RURAL WSC
PO BOX 606
RUSK, TX 75785-0606

STRYKER LAKE WSC
PO BOX 156
NEW SUMMERFIELD, TX 75780-0156

WEST JACKSONVILLE WATER
SUPPLY CORPORATION
PO BOX 1245
JACKSONVILLE, TX 75766-1245

CITY OF KOUNTZE
PO BOX 188
KOUNTZE, TX 77625-0188

CITY OF SILSBEE
105 S 3RD ST
SILSBEE, TX 77656

CITY OF SOUR LAKE
655 W. BARKLEY
SOUR LAKE, TX 77659

HARDIN COUNTY WCID 1
101 PINE GARDEN LN
SOUR LAKE, TX 77659

JOHNSON WATER SERVICE
PO BOX 8009
LUMBERTON, TX 77657-8009

LITTLE BIG HORN SERVICES
8029 FM 92
SILSBEE, TX 77656

LUMBERTON MUD
PO BOX 8065
LUMBERTON, TX 77657-8065

RANCLAND POA INCORPORATED
PO BOX 1248
KOUNTZE, TX 77625-1248

WEST HARDIN WSC
PO BOX 286
SARATOGA, TX 77585-0286

WILDWOOD PROPERTY OWNERS
ASSOCIATION
PO BOX 903
VILLAGE MILLS, TX 77663-0903

AQUASOURCE DEVELOPMENT INC
1106 CLAYTON LN STE 400W
AUSTIN, TX 78723-1066

ATHENS LAND COMPANY
PO BOX 423
CENTERVILLE, TX 75833-0423

ATHENS MWA
508 E TYLER ST
ATHENS, TX 75751-2068

BETHEL ASH WSC
801 N PALESTINE ST
ATHENS, TX 75751-4455

BLUE WATER KEY WATER SYSTEM
2702 AN COUNTY ROAD 489
MONTALBA, TX 75853-2324

C R C WSC
PO BOX 2551
ATHENS, TX 75751-2551

CARRIZO WATER CORPORATION
2702 AN COUNTY ROAD 489
MONTALBA, TX 75853-2324

CITY OF ATHENS
508 E TYLER ST
ATHENS, TX 75751

CITY OF BERRYVILLE
PO BOX 908
FRANKSTON, TX 75763-0908

CITY OF BROWNSBORO
PO BOX 303
BROWNSBORO, TX 75756-0303

CITY OF CHANDLER
PO BOX 425
CHANDLER, TX 75758-0425

CITY OF CHANDLER WATER DEPT
PO BOX 425
CHANDLER, TX 75758-0425

CITY OF EUSTACE
PO BOX 579
EUSTACE, TX 75124-0579

CITY OF LOG CABIN
14387 ALAMO ROAD
LOG CABIN, TX 75148

CITY OF MALAKOFF
PO BOX 1177
MALAKOFF, TX 75148-1177

CITY OF MURCHISON
PO BOX 33
MURCHISON, TX 75778-0033

CITY OF STAR HARBOR
PO BOX 949
MALAKOFF, TX 75148-0949

CITY OF TRINIDAD
PO BOX 345
TRINIDAD, TX 75163-0345

CRESCENT HEIGHTS WSC
PO BOX 375
ATHENS, TX 75751-0375

DAL HIGH WATER
PO BOX 744
ATHENS, TX 75751-0744

DOGWOOD ESTATES WATER
COMPANY
PO BOX 1230
ATHENS, TX 75751-1230

EAST CEDAR CREEK FWSD
PO BOX 309
MABANK, TX 75147-0309

FISHERMANS WHARF WATER
SYSTEM
2904 COUNTY ROAD 1703
MALAKOFF, TX 75148-4291

HENDERSON COUNTY LID 3
14950 C R 1309
MALAKOFF, TX 75148

HIDDEN ACRES WATER SYSTEM
12993 MEADOW LANE
EUSTACE, TX 75124

LAKESHORE UTILITY COMPANY INC
106 E CORSICANA ST
ATHENS, TX 75751-2502

LEAGUEVILLE WSC
PO BOX 462
BROWNSBORO, TX 75756-0462

MOORES STATION WSC
3429 FM 314 S
LARUE, TX 75770-3168

OW PROPERTY OWNERS
ASSOCIATION INC
8799 CHARLYA DR
ATHENS, TX 75752-6162

PAYNE SPRINGS WSC
9690 STATE HIGHWAY 198
MABANK, TX 75156

POINT ROYAL WATER SYSTEM
2250 ROYAL DRIVE WEST
CHANDLER, TX 75758

POYNOR COMMUNITY WSC
PO BOX 228
POYNOR, TX 75782-0228

THREE COMMUNITY WSC
18870 WYATT RD
BROWNSBORO, TX 75756-4588

UNION HILL WSC
11650 COUNTY ROAD 3424
BROWNSBORO, TX 75756

VIRGINIA HILL WATER SUPPLY
CORPORATION
707 E COLLEGE ST
ATHENS, TX 75751-2618

WEST CEDAR CREEK MUD
821 S TOOL DR
TOOL, TX 75143

CITY OF CROCKETT
200 NORTH 5TH STREET
CROCKETT, TX 75835

CITY OF GRAPELAND
PO BOX 567
GRAPELAND, TX 75844-0567

CITY OF LOVELADY
PO BOX 83
LOVELADY, TX 75851-0083

CONSOLIDATED WSC
PO BOX 1226
CROCKETT, TX 75835-1226

HOUSTON COUNTY LID 1
PO BOX 428
CROCKETT, TX 75835-0428

HOUSTON COUNTY WCID 1
PO BOX 1208
CROCKETT, TX 75835-1208

KENNARD WSC
PO BOX 115
KENNARD, TX 75847-0115

RATCLIFF WATER SUPPLY
CORPORATION
PO BOX 1386
RATCLIFF, TX 75858-1386

CITY OF BROWDELL
PO BOX 430
BROOKELAND, TX 75931-0430

CITY OF JASPER
PO BOX 610
JASPER, TX 75951-0610

CITY OF KIRBYVILLE
107 S ELIZABETH AVE
KIRBYVILLE, TX 75956

COUGAR COUNTRY WATER
SYSTEM
PO BOX 23
BUNA, TX 77612-0023

EVADALE WCID 1
PO BOX 149
EVADALE, TX 77615-0149

HARRISBURG WSC
RR 1 BOX 549
JASPER, TX 75951-9771

HOLLY HUFF WSC
PO BOX 1917
JASPER, TX 75951-1917

JAMESTOWN WSC
PO BOX 886
JASPER, TX 75951-0886

JASPER COUNTY WCID 1
PO DRAWER 1207
BUNA, TX 77612-1207

RAYBURN COUNTRY MUD
PO BOX 5026
SAM RAYBURN, TX 75951-7700

RURAL WSC
PO BOX 832
JASPER, TX 75951-0832

SOUTH JASPER COUNTY WSC
PO BOX 1939
BUNA, TX 77612-1939

SOUTH KIRBYVILLE RURAL WSC
PO BOX 189
CALL, TX 75933-0189

UPPER JASPER COUNTY WATER
AUTHORITY
RT 7 BOX 364-4
JASPER, TX 75951

WESTWOOD WSC
RR 3 BOX 519-118A
JASPER, TX 75951

BELLE OAKS WATER AND SEWER
COMPANY INC
8385 CHEMICAL RD
BEAUMONT, TX 77705-6996

BEVIL OAKS MUD
7525 SWEETGUM RD
BEAUMONT, TX 77713

CARDINAL MEADOWS
IMPROVEMENT DISTRICT
2585 FORREST ST
BEAUMONT, TX 77703-5336

CITY OF BEAUMONT
PO BOX 3827
BEAUMONT, TX 77704-3827

CITY OF CHINA
PO BOX 248
CHINA, TX 77613-0248

CITY OF GROVES
PO BOX 846
GROVES, TX 77619-0846

CITY OF NEDERLAND
PO BOX 967
NEDERLAND, TX 77627-0967

CITY OF NOME
PO BOX 198
NOME, TX 77629-0198

CITY OF PORT ARTHUR
PO BOX 1089
PORT ARTHUR, TX 77641-1089

CITY OF PORT NECHES
PO BOX 755
PORT NECHES, TX 77651-0755

HAMSHIRE COMMUNITY WSC
PO BOX 248
HAMSHIRE, TX 77622-0248

JEFFERSON COUNTY DRAINAGE
DISTRICT 3
PO BOX 120
HAMSHIRE, TX 77622-0120

JEFFERSON COUNTY DRAINAGE
DISTRICT 6
PO BOX 20078
BEAUMONT, TX 77720-0078

JEFFERSON COUNTY DRAINAGE
DISTRICT 7
401 LINKWOOD ST
PORT ARTHUR, TX 77640

JEFFERSON COUNTY WCID 10
3707 CENTRAL BLVD
NEDERLAND, TX 77627-3225

LOWER NECHES VALLEY
AUTHORITY
84 AVENUE OF THE OAKS
BEAUMONT, TX 77707-1888

MEEKER MUNICIPAL WATER
DISTRICT
807 N MEEKER RD
BEAUMONT, TX 77713-3151

MEEKER MWD
807 N MEEKER RD
BEAUMONT, TX 77713

NORTHWEST FOREST MUD
2370 EASTEX FREEWAY
BEAUMONT, TX 77713

PORT OF BEAUMONT NAVIGATION
DISTRICT
5765 MEADOW WAY
BEAUMONT, TX 77707-1829

PORT OF PORT ARTHUR
NAVIGATION DISTRICT
533 LINKWOOD
PORT ARTHUR, TX 77640

SABINE PASS PORT AUTHORITY
PO BOX 149
SABINE PASS, TX 77655-0149

SABINE-NECHES NAVIGATION
DISTRICT OF JEFFERSON COUNTY
PO BOX 778
NEDERLAND, TX 77627-778

WEST JEFFERSON COUNTY
MUNICIPAL WATER DISTRICT
10024 FM 365 RD
BEAUMONT, TX 77705-9312

WEST JEFFERSON COUNTY MWD
7824 GLENBROOK DR
BEAUMONT, TX 77705

APPLEBY WSC
151 DEEN ST
NACOGDOCHES, TX 75965-7259

CARO WSC
3947 STATE HWY 204
NACOGDOCHES, TX 75964

CITY OF CUSHING
PO BOX 365
CUSHING, TX 75760-0365

CITY OF GARRISON
129 W GREENWOOD ST
GARRISON, TX 75946

CITY OF NACOGDOCHES
PO BOX 635030
NACOGDOCHES, TX 75963-5030

D & M WSC
PO BOX 9
DOUGLASS, TX 75943-0009

ETOILE WSC
PO BOX 67
ETOILE, TX 75944-0067

LIBBY WSC
15553 N FM 95
NACOGDOCHES, TX 75961-0376

LILBERT LOONEYVILLE WSC
RR 1 BOX 45
CUSHING, TX 75760-9708

LILLY GROVE SUD
7435 FM 1638
NACOGDOCHES, TX 75964-1704

MELROSE WSC
12542 E STATE HIGHWAY 21
NACOGDOCHES, TX 75961-7953

NACOGDOCHES COUNTY MUD 1
158 COUNTY ROAD 5026
NACOGDOCHES, TX 75964-8739

SACUL WSC
PO BOX 11
SACUL, TX 75788-0011

SWIFT WSC
10410 N FM 95
NACOGDOCHES, TX 75961

WODEN WSC
P O BOX 48
WODEN, TX 75978-0048

BON WIER WSC
PO BOX 167
BON WIER, TX 75928-0167

BURKEVILLE WSC
PO BOX 220
BURKEVILLE, TX 75932-0220

CITY OF NEWTON
101 W NORTH ST
NEWTON, TX 75966

EAST NEWTON WSC
PO BOX 956
NEWTON, TX 75966-0956

SOUTH NEWTON WSC
PO BOX 659
DEWEYVILLE, TX 77614-0659

TALL TIMBERS WSC
430 E EASY ST
BURKEVILLE, TX 75932-2600

WARREN WSC
PO BOX 95
WARREN, TX 77664-0095

BREWER KELLY
PO BOX 1409
VIDOR, TX 77670-1409

CHASE HOLLOW WATER SYSTEM
10406 HIGHWAY 87 N
ORANGE, TX 77632-0578

CITY OF BRIDGE CITY
PO BOX 846
BRIDGE CITY, TX 77611-0846

CITY OF ORANGE
PO BOX 520
ORANGE, TX 77631-0520

CITY OF PINEHURST
3640 MOCKINGBIRD
ORANGE, TX 77630

CITY OF ROSE CITY
370 ROSE CITY DR
VIDOR, TX 77662

COMMUNITY WATER SYSTEMS
PO BOX 389
VIDOR, TX 77670-0389

COUNTRY SQUIRE WATER AND
SEWER
10406 HIGHWAY 87 N
ORANGE, TX 77632-0578

EVERGREEN PARK HICKORY HILLS
WATER SYSTEM
1590 N MAIN ST
VIDOR, TX 77662-3012

H-M-W SUD
PO BOX 837
PINEHURST, TX 77362-0837

LONGFORD PLACE WATER AND
SEWER
10406 HIGHWAY 87 N
ORANGE, TX 77632-0578

MAURICEVILLE MUD
PO BOX 1000
MAURICEVILLE, TX 77626-1000

ORANGE COUNTY DRAINAGE
DISTRICT
8081 OLD HIGHWAY 90
ORANGE, TX 77630-1036

ORANGE COUNTY NAVIGATION &
PORT DISTRICT
4968 WINFREE RD
ORANGE, TX 77630-7580

ORANGE COUNTY WCID 1
460 E BOLIVAR ST
VIDOR, TX 77662

ORANGE COUNTY WCID 2
711 SHERRILL ST
ORANGE, TX 77630-6873

ORANGEFIELD WSC
PO BOX 398
ORANGEFIELD, TX 77639-0398

P C S DEVELOPMENT COMPANY
PO BOX 1447
ORANGE, TX 77631-1447

WATER NECESSITIES
INCORPORATED
PO BOX 62
VIDOR, TX 77670-0062

A & P WATER SUPPLY
CORPORATION
PO BOX 322
CARTHAGE, TX 75633-0322

CITY OF BECKVILLE
PO BOX 97
BECKVILLE, TX 75631-0097

CITY OF CARTHAGE
PO BOX 400
CARTHAGE, TX 75633-0400

CLAYTON WSC
PO BOX 3
CLAYTON, TX 75637-0003

COUNTRY LAKE WATER SUPPLY
PO BOX 1307
CARTHAGE, TX 75633-1307

DEADWOOD WSC
PO BOX 412
CARTHAGE, TX 75633-0412

DEBERRY WSC
PO BOX 278
DE BERRY, TX 75639-0278

FAIRPLAY WSC
PO BOX 603
BECKVILLE, TX 75631-0603

GARY WSC
PO BOX 160
GARY, TX 75643-0160

HOLLANDS QUARTER WSC
PO BOX 146
CARTHAGE, TX 75633-0146

MURVAUL WSC
PO BOX 105
GARY, TX 75643-0105

PANOLA BETHANY WSC
PO BOX 279
BETHANY, TX 71007-0279

PANOLA COUNTY FWSD 1
103 COUNTY ROAD 1843
CARTHAGE, TX 75633-5338

PANOLA COUNTY GCD
110 S SYCAMORE ST
CARTHAGE, TX 75633-2546

REHOBETH WATER SUPPLY
CORPORATION
PO BOX 691
CARTHAGE, TX 75633-0691

RIDERVILLE WATER SUPPLY
CORPORATION
PO BOX 227
CARTHAGE, TX 75633-0227

ROCK HILL WATER SUPPLY
CORPORATION
PO BOX 673
BECKVILLE, TX 75631-0673

SOUTH MURVAUL WSC
147 COUNTY ROAD 194
GARY, TX 75643

CANYON PARK POA INC
PO BOX 1735
ONALASKA, TX 77360-1735

CITY OF CORRIGAN
101 W BEN FRANKLIN ST
CORRIGAN, TX 75939

CITY OF GOODRICH
PO BOX 277
GOODRICH, TX 77335-0277

CITY OF LIVINGSTON
200 W CHURCH ST
LIVINGSTON, TX 77351

DALLARDSVILLE SEGNO WSC
PO BOX 133
DALLARDSVILLE, TX 77332-0133

DAMASCUS-STRYKER WSC
PO BOX 660
CORRIGAN, TX 75939-0660

FOUNTAIN LAKE OWNERS WSC
242 FOUNTAIN LK W
LIVINGSTON, TX 77351-6540

JOHNSON UTILITIES INC
PO BOX 900
LIVINGSTON, TX 77351-0900

LAKE LIVINGSTON WATER SUPPLY
& SEWER SERVICE CORP
PO BOX 1149
LIVINGSTON, TX 77351-1149

LEGGETT WSC
PO BOX 757
LIVINGSTON, TX 77351-0757

MASON LAKE WATER SYSTEM
3595 FM 3277
LIVINGSTON, TX 77351-1661

MOSCOW WSC
PO BOX 250
MOSCOW, TX 75960-0250

ONALASKA WSC
PO BOX 2463
ONALASKA, TX 77360-2463

PIXLEY WATER WORKS
1699 FM 2665
GOODRICH, TX 77335-7114

POLK COUNTY FWSD 2
PO BOX 2250
ONALASKA, TX 77360-2250

PROVIDENCE WSC
PO BOX 726
LIVINGSTON, TX 77351-0726

PURE UTILITIES LLC
3595 FM 3277
LIVINGSTON, TX 77351-1661

R C WSC
PO BOX 804
LIVINGSTON, TX 77351-9112

ROMARK UTILITY COMPANY
108 S WASHINGTON
LIVINGSTON, TX 77351

SHILOH RIDGE WATER SYSTEM
113 VICKSBURG LANE
LIVINGSTON, TX 77351

SODA WSC
PO BOX 136
LIVINGSTON, TX 77351-0136

TEMPE WSC 1
2120 U S HIGHWAY 190 W
LIVINGSTON, TX 77351-9602

TEXAS LANDING UTILITIES
PO BOX 2110
ONALASKA, TX 77360-2110

TEXAS WATER SUPPLY
PO BOX 839
LIVINGSTON, TX 77351-0839

UTILI TEC WATER RESOURCES INC
1106 CLAYTON LN STE 400W
AUSTIN, TX 78723-1066

WOODS CREEK WSC
2120 U S HIGHWAY 190 W
LIVINGSTON, TX 77351-9602

YAUPON COVE WATER SYSTEM INC
PO BOX 2482
CONROE, TX 77305-2482

YOUNGS WATER SYSTEM
PO BOX 386
GOODRICH, TX 77335-0386

ARLAM CONCORD WSC
PO BOX 324
GARRISON, TX 75946-0324

CHALK HILL SUD
16076 FM 1716
HENDERSON, TX 75652

CHURCH HILL WSC
PO BOX 482
HENDERSON, TX 75653-0482

CITY OF HENDERSON
400 W MAIN
HENDERSON, TX 75652

CITY OF NEW LONDON
PO BOX 428
NEW LONDON, TX 75682

CITY OF OVERTON
ATTN: CITY MANAGER
1200 S COMMERCE ST
OVERTON, TX 75684

CITY OF TATUM
PO BOX 1105
TATUM, TX 75691-1105

CRIMS CHAPEL WSC
PO BOX 45
HENDERSON, TX 75652-0045

CROSS ROADS SUD
PO BOX 1001
KILGORE, TX 75663-1001

CRYSTAL FARMS WSC
PO BOX 1089
TATUM, TX 75691-1089

DIRGIN WSC
PO BOX 1266
TATUM, TX 75691-1266

EBENEZER WSC
PO BOX 1925
HENDERSON, TX 75653-1925

GASTON WSC
PO BOX 98
JOINERVILLE, TX 75658-0098

GOODSPRINGS WSC
6713 US HIGHWAY 79 S
HENDERSON, TX 75654-5757

JACOBS WSC
PO BOX 954
HENDERSON, TX 75653-0954

LEVERETTS CHAPEL WSC
RT 2 BOX 20AA
OVERTON, TX 75684

MINDEN BRACHFIELD WSC
PO BOX 136
MINDEN, TX 75680-0136

MT ENTERPRISE WSC
PO BOX 368
MT ENTERPRISE, TX 75681-0368

PINE HILL CHAPMAN WSC
11746 COUNTY ROAD 352 E
HENDERSON, TX 75654-2450

PLEASANT HILL WSC
BOX 223
NEW LONDON, TX 75682-0223

PRICE WSC
PO BOX 126
PRICE, TX 75687-0126

SHAN D WATER SUPPLY
465 DESIREES TRL
TATUM, TX 75691-3415

SOUTH RUSK COUNTY WSC
PO BOX 38
LANEVILLE, TX 75667-0038

STAFFORD COUNTRY ESTATES
PO BOX 1108
TATUM, TX 75691-1108

BEECHWOOD WSC
120 EASTWOOD LOOP
HEMPHILL, TX 75948-6659

BROOKELAND FWSD
PO BOX 5350
SAM RAYBURN, TX 75951-7700

CITY OF HEMPHILL
PO DRAWER 788
HEMPHILL, TX 75948-0788

CITY OF PINELAND
PO BOX 6
PINELAND, TX 75968-0006

EL CAMINO BAY WSC
118 LAKEVIEW DR
HEMPHILL, TX 75948-9408

FRONTIER PARK RESORT & MARINA
RR 1 BOX 1690
HEMPHILL, TX 75948-9748

G M WSC
PO BOX 727
HEMPHILL, TX 75948-0727

PENDLETON UTILITY CORP
PO BOX 591
MARSHALL, TX 75671-0591

SOUTH SABINE WSC
807 Fairdale Road
HEMPHILL, TX 75948 - 6600

TIMBERLANE ESTATES PROPERTY
OWNERS ASSOCIATION
130 WHITE PINE DR
HEMPHILL, TX 75948

TIMBERLANE WATER SYSTEM INC
PO Box 1611
NEDERLAND, TX 77627

BLAND LAKE WSC
174 COUNTY ROAD 110
CENTER, TX 75935

CITY OF BROADDUS
PO BOX 149
BROADDUS, TX 75929-0149

CITY OF SAN AUGUSTINE
301 SOUTH HARRISON
SAN AUGUSTINE, TX 75972

DENNING WSC
ROUTE 3 BOX 553
SAN AUGUSTINE, TX 75972

EL PINION WATER SUPPLY
RT 1 BOX 121
BROADDUS, TX 75929

NEW WSC
PO BOX 800
SAN AUGUSTINE, TX 75972-0800

SAM RAYBURN WATER INC
PO BOX 154322
LUFKIN, TX 75915-4322

SAN AUGUSTINE RURAL WSC
BOX 182
SAN AUGUSTINE, TX 75972-0182

SUTTON HILLS ESTATES
PROPERTY OWNERS ASSOCIATION
PO BOX 25
BROADDUS, TX 75929-0025

BUENA VISTA WSC
1070 COUNTY ROAD 4778
TIMPSON, TX 75975-3084

CHOICE WSC
PO BOX 1409
CENTER, TX 75935-1409

CITY OF CENTER
PO BOX 1744
CENTER, TX 75935-1744

CITY OF HUXLEY
11798 FM 2694
SHELBYVILLE, TX 75973

CITY OF JOAQUIN
PO BOX 237
JOAQUIN, TX 75954-0237

CITY OF TENAHA
PO BOX 70
TENAHA, TX 75974-0070

CITY OF TIMPSON
PO BOX 369
TIMPSON, TX 75975-0369

EAST LAMAR WSC
PO BOX 16
CENTER, TX 75935-0016

FIVE WAY WSC
PO BOX 667
CENTER, TX 75935-0667

FLAT FORK WSC
PO BOX 957
CENTER, TX 75935-0957

HASLAM COMMUNITY
PO BOX 237
JOAQUIN, TX 75954-0237

MCCLELLAND WSC
6438 STATE HIGHWAY 87 S
SHELBYVILLE, TX 75973-2919

TYLER COUNTY WSC
PO BOX 138
SPURGER, TX 77660-0138

PAXTON WSC
PO BOX 1409
CENTER, TX 75935-1409

ROLLING HILLS SUBDIVISION
35533 N BELL RD
QUEEN CREEK, TX 85242-9558

SAND HILLS WSC
13938 STATE HIGHWAY 7 W
CENTER, TX 75935-5769

SHELBYVILLE WSC
PO BOX 297
SHELBYVILLE, TX 75973-0297

TENNESSEE WSC
ROUTE 3 BOX 242B
TIMPSON, TX 75975

TIMPSON RURAL WSC
ROUTE 3 BOX 242B
TIMPSON, TX 75975

CARROLL WATER SUPPLY
CORPORATION
PO BOX 428
VAN, TX 75790-0428

CITY OF ARP
PO BOX 68
ARP, TX 75750-0068

CITY OF BULLARD
PO BOX 107
BULLARD, TX 75757-0107

CITY OF LINDALE
PO BOX 130
LINDALE, TX 75771-0130

CITY OF TROUP
PO BOX 637
TROUP, TX 75789-0637

CITY OF TYLER
PO BOX 2039
TYLER, TX 75710-2039

CITY OF WHITEHOUSE
PO BOX 776
WHITEHOUSE, TX 75791-0776

CITY OF WINONA
PO BOX 97
WINONA, TX 75792-0097

CRYSTAL SYSTEMS TEXAS INC
PO BOX 1084
TYLER, TX 75710-1084

DEAN WSC
PO BOX 4695
TYLER, TX 75704-4695

DUCK CREEK WSC
PO BOX 115
LINDALE, TX 75771-0115

EMERALD BAY MUD
155 LA SALLE RD
BULLARD, TX 75757

HEIGHTS WATER CO
14397 FM 2767
TYLER, TX 75705

JACKSON WSC
17764 CR 26
TYLER, TX 75707

LINDALE RURAL WSC
PO BOX 756
LINDALE, TX 75771-0756

LINDSAY PURE WATER CO
PO BOX 5
LINDSAY, TX 76250-0005

PINE RIDGE WSC
21240 FM 1253
MINEOLA, TX 75773

SAND FLAT WSC
2814 FM 16 E
TYLER, TX 75706-2324

SMITH COUNTY WCID 1
11928 CONSTANTIN AVE
TYLER, TX 75708

SOUTHERN UTILITIES COMPANY
218 NORTH BROADWAY
TYLER, TX 75702-5710

STAR MOUNTAIN WSC
PO BOX 528
WINONA, TX 75792-0528

STARRVILLE FRIENDSHIP WSC
PO BOX 1482
GLADEWATER, TX 75647-1482

STARRVILLE WSC
11620 COUNTY ROAD 3100
WINONA, TX 75792-6722

WALNUT GROVE WSC
PO BOX 269
WHITEHOUSE, TX 75791-0269

WRIGHT CITY WSC
24065 LYLES LANE
TROUP, TX 75789

APPLE SPRINGS WSC
PO BOX 8
APPLE SPRINGS, TX 75926-0008

CENTERVILLE WSC
PO BOX 9
GROVETON, TX 75845-0009

CITY OF GROVETON
PO BOX 37
GROVETON, TX 75845-0037

CITY OF TRINITY
PO DRAWER 431
TRINITY, TX 75862-0431

FRISBYS LANDING INC
2 CROSS ST
TRINITY, TX 75862-3704

GLEN HAVEN UTILITY CO
PO BOX 192
TRINITY, TX 75862-0192

GLENDALE WSC
PO BOX 1404
TRINITY, TX 75862-1404

PENNINGTON WSC
PO BOX 15
PENNINGTON, TX 75856-0015

TRINITY RURAL WSC
PO BOX 709
TRINITY, TX 75862-0709

WESTWOOD SHORES MUD
75 COTTONWOOD RD
TRINITY, TX 75862-8843

WOODLAKE JOSSERAND WSC
PO BOX 103
WOODLAKE, TX 75865-0103

CHESTER WSC
PO BOX 77
CHESTER, TX 75936-0077

CITY OF COLMESNEIL
PO BOX 144
COLMESNEIL, TX 75938-0144

CITY OF WOODVILLE
PO BOX 517
WOODVILLE, TX 75979-0517

CYPRESS CREEK WSC
PO BOX 536
WOODVILLE, TX 75979-0536

DOUCETTE WATER SYSTEM
PO BOX 529
COLMESNEIL, TX 75938-0529

SENECA WSC
PO BOX 27
WOODVILLE, TX 75979-0027

Kelley Holcomb
PO Box 387
Lufkin TX 75902

Worth Whitehead
102 Jan Street
Henderson TX 75652

Michael Harbordt
4611 Mystic Lane
Nacogdoches, Texas 75965

David Brock
1220 S. Bolton1
Jacksonville TX 75766

Ernest Mosby
801 Holman
San Augustine TX 75972

David Alders
8740 FM 226
Nacogdoches TX 75961

Walter Glenn
PO Box 477
Kirbyville TX 75956

Jeff Branick
PO Box 4025
Beaumont TX 77704

George Campbell
101 W. Main Street
Nacogdoches TX 75961

Jerry Clark
PO Box 579
Orange TX 77631

Josh David
1182 East Caney Loop
Chester TX 75936

Judge Chris Davis
135 S. Main Street, 3rd Floor
Rusk TX 75785

Michael Harbordt
4611 Mystic Lane
Nacogdoches, Texas 75965

William Huegel
615 Oakridge Lane
Hemphill TX 75948

Bill Kimbrough
5720 Pickwick
Beaumont TX 77706

Glenda Kindle
507 CR 4906
Troup TX 75789

Duke Lyons
301 South Harrison
San Augustine TX 75972

Monty Shank
PO Box 1965
Palestine TX 75802

Judge Hermon Reed
110 S. Sycamore
Carthage TX 75633

Darla Smith
14385 West Port Arthur Rd
Beaumont TX 77705

Robert Stroder
PO Box 5117
Beaumont TX 77726-5117

J. Leon Young
PO Box 13025, SFA Station
Nacogdoches TX 75962

Dale Peddy
PO Box 2951
Beaumont TX 77704

Terry McFall, District Conservationist
USDA, NRCS
714-3 W. Gibson
Jasper TX 75951

James Alford
PO Box 430
Groveton TX 75845

Temple McKinnon
PO Box 13231
Austin TX 78711

Connie Standridge
10612 FM 416
Streetman TX 75859

Cynthia Duet
1051 N Third Street, Ste 138
Baton Rouge LA 70802

Judge Sandra Hodges
115 North Main Street
Henderson TX 75652

Bobby Praytor
1500 Marilla Street, Room 4AS
Dallas TX 75201

Terry Stelly
601 Channelview Drive
Port Arthur TX 77640

James Porter
PO Box 3164
Lake Charles LA 70602

Mendy Rabicoff
PO Box 8170
Longview TX 75607

Linda Parker, CecD
PO Box 154206
Lufkin TX 75901

Steve Tyler
PO Box 2372
Trinity TX 75862

Judge Floyd Watson
200 San Augustine Street
Center TX 75935

Harris Stafford, II
Region P: Lavaca
115 W. Main
Edna TX 77957

C.E. Williams
Region A: Panhandle Groundwater
Conservation District
PO Box 637
White Deer TX 79097

Curtis Campbell
Region B: Red River Authority of Texas
PO Box 240
Wichita Falls TX 76307-0240

James Parks
Region C: North Texas Municipal Water
District
PO Box 2408
Wylie TX 75098

Jim Thompson
Region D: North East Texas
PO Box 1107
Atlanta TX 75551

Tom Beard
Region E: Far West
PO Box 668
Alpine TX 79831

John Grant
Region F: Colorado River MWD
PO Box 869
Big Spring TX 79721-0869

Scott Mack
Region G: Brazos
108 N. Cranbrook Court
Ingram TX 78025

Jeff Taylor, P.E.
Region H: City of Houston
PW/Engineering
611 Walker, 25th Floor
Houston TX 77002

Kelley Holcomb
Region I: East Texas
PO Box 387
Lufkin TX 75902-0387

Jonathan Letz
Region J: Plateau
700 Main Street
Kerrville TX 78028

John Burke
Region K: Lower Colorado
PO Drawer P
Bastrop TX 78602

Con Mims
Region L: South Central Texas
PO Box 349
Uvalde TX 78802

Glenn Jarvis
Region M: Rio Grande
1801 S. Second Street, Ste 550
McAllen TX 78503

Carola Serrato
Region N: Costal Bend
PO Box 1701
Kingsville TX 78364

Scott Bledsoe, III
Region N: Costal Bend
PO Box 3
Oakville TX 78060

Harold P. Brown
Region O: Liano Estacado
3101 19th Street
Lubbock TX 79410-1402

3-H LAKE ASSOCIATION INC
C/O BETTY STONE
142 HEATON RD
CARTHAGE, TX 75633-6448

850 PINE STREET INC
850 PINE ST
BEAUMONT, TX 77701-1851

QUIDA ABERCROMBIE
1945 PENNSYLVANIA ST
BEAUMONT, TX 77701-6025

ABITIBI CONSOLIDATED CORP
PO BOX 1149
LUFKIN, TX 75902-1149

JOHNNY ACKEL
PO BOX 67
HAMSHIRE, TX 77622-0067

ALABAMA-COUSHATTA
RESERVATION
571 STATE PARK ROAD 56
LIVINGSTON, TX 77351-4540

NOLAN ALDERS
5437 E STATE HWY 7
NACOGDOCHES, TX 75961-7929

E ALFORD
PO BOX 67
HENDERSON, TX 75653-0067

ANGELINA & NECHES RIVER AUTH
PO BOX 387
LUFKIN, TX 75902-0387

ANGELINA-NACOGDOCHES WCID 1
1524 WOODBERRY DR
LUFKIN, TX 75904-5354

ARKEMA INC
PO BOX 1427
BEAUMONT, TX 77704-1427

CONNIE ARMSTRONG
3811 TURTLE CREEK BLVD STE 1100
DALLAS, TX 75219-4444

ARRINGTON SAWMILL INC
PO BOX 1898
JACKSONVILLE, TX 75766-1898

ATHENS FISH AND GAME CLUB INC
PO BOX 2535
ATHENS, TX 75751

ATHENS MUNICIPAL WATER AUTH
508 E TYLER ST
ATHENS, TX 75751-2068

ATTOYAC HUNTING & FISHING CLUB
PO BOX 162
MARTINSVILLE, TX 75958-0162

F BAILEY
ATTORNEY AT LAW
PO BOX 4905
BEAUMONT, TX 77704-4905

PERNIE BAILEY DRILLING CO
C/O W A BROWN
PO BOX 399
GRAPELAND, TX 75844-0399

BEAUMONT, CITY OF
PUBLIC UTILITIES DEPARTMENT
PO BOX 3827
BEAUMONT, TX 77704-3827

HENRY BECK
1807 ROSS AVE, STE 500
DALLAS, TX 75201-8006

BELL SAND COMPANY
PO BOX 4055
TYLER, TX 75712-4055

C BENNETT
(DELMA BENNETT)
10879 COUNTY ROAD 243 N
KILGORE, TX 75662-9041

EARLENE BENSON
(M NAUSCHUTZ AND D CONFAIR)
10244 BRIAR FOREST DR
HOUSTON, TX 77042-2403

ERNEST BERTRAM
615 E LARKSPUR CIR
PEARLAND, TX 77584-2099

DONALD BOLTON
RR 8 BOX 791
PALESTINE, TX 75801-9019

MINNIE BOLTON
C/O S O EZELL
1513 SE LOOP 456
JACKSONVILLE, TX 75766-9791

BORAL BRICKS INC
HENDERSON BRICK DIVISION
PO BOX 2110
HENDERSON, TX 75653-2110

MARIE BORDAGES
TEXAS COMMERCE BANK
PO BOX 2751
BEAUMONT, TX 77704-2751

GENE BORDERS
PO BOX 247
CENTER, TX 75935-0247

NOLIA BOUDREAUX
3102 RED RIDGE CT
MANVEL, TX 77578-7827

BURWELL BOYKIN
78 PINE GROVE RD
WOODVILLE, TX 75979-9761

MIRIAM BOUNDS
4635 FM 31 SOUTH
CARTHAGE, TX 75633-8597

BOY SCOUTS OF AMERICA, 3
RIVERS COUNCIL
4650 W CARDINAL DR
BEAUMONT, TX 77705-2797

JAMES BROUSSARD
2465 SUNFLOWER LN
BEAUMONT, TX 77713-9299

EUGENE BOYKIN
3165 FM 256
WOODVILLE, TX 75979-9653

BILLY BRADSHAW
RR 5 BOX 427
RUSK, TX 75785-9329

FOSTER BREWER
503 PINEHILL RD
HENDERSON, TX 75654-3627

E BRIMBERRY
1135 BOX RANCH RD
MOODY, TX 76557-4102

J BROUSSARD
PO BOX 3111
BEAUMONT, TX 77704-3111

MARY BROUSSARD
6433 ROLLA ST
HOUSTON, TX 77055-7117

JOE BROUSSARD II PARTN
PO BOX 3111
BEAUMONT, TX 77704-3111

J BROUSSARD
PO BOX 3111
BEAUMONT, TX 77704-3111

BERNIE BROWN
PO BOX 268
DAYTON, TX 77535-0005

E BROWN
7797 FM 1249 E
KILGORE, TX 75662-8190

RUBY BROWN
C/O ROY BRUNSON
22 PRISM COVE PL
THE WOODLANDS, TX 77381-3636

W BROWN
PO BOX 399
GRAPELAND, TX 75844-0399

WYMAN BROWN
RR 1 BOX 232A
GRAPELAND, TX 75844-9740

HENRY BROWN ESTATE
PO BOX 993
GRAPELAND, TX 75844-0993

O BROWN TRUSTEE
C/O DARLENE BROWN
RR 5 BOX 434
CROCKETT, TX 75835-7714

BROWN'S LAKE FISHING CLUB
C/O MELBA M ALLEN
701 N CENTER ST
BONHAM, TX 75418-3709

JAMES BURGESS
3127 US HIGHWAY 59
BECKVILLE, TX 7563-8555

LARRY BURKS
PO BOX 4400
TYLER, TX 75712-4400

W BURRELL
WINGATE FARMS
20397 BURRELL WINGATE RD
BEAUMONT, TX 77705-8504

JOE BURRIS
PO BOX 453
ELKHART, TX 75839-0453

CAMILLE BUTLER
14547 OAK CHASE DR
HOUSTON, TX 77062-2287

CENTER, CITY OF
PO BOX 1744
CENTER, TX 75935-1744

DAN BYRAM
912 NORTHWIND
PORT ARTHUR, TX 77640-6840

PEGGY CANNON
(CANNON WARD CANNON AND CANNON)
1621 WESTLAKE DR
PLANO, TX 75075-8700

CARD INC
420 N ML KING JR PKWY
BEAUMONT, TX 77701-2094

ANNIE CARNES
570 AN COUNTY ROAD 175
GRAPELAND, TX 75844-4015

MARY CARPER
PO BOX 250
HAMSHIRE, TX 77622-0250

WILLIE CASKEY
C/O CLYDE BEDFORD
2605 PINEY WOODS DR
PEARLAND, TX 77581-5873

BEN CAUDLE
PO BOX 600
GRAPELAND, TX 75844-0600

HOMER BOASE
(JO NELL BOASE)
PO BOX 1050
SACUL, TX 75788-1050

JERRY CHANCE
PO BOX 231
FRED, TX 77616-0231

C CHEATHAM
3619 STATE HIGHWAY 43
JEFFERSON, TX 75657-6951

JOHN CHESLEY
(LARRY BYRD)
4660 KINSEY DR
TYLER, TX 75703-1007

CLARENCE FORE
1221 NW STALLINGS DR
NACOGDOCHES, TX 75964-3037

O CLUBB
21620 FM 365 RD
BEAUMONT, TX 77705-8819

LUTHER CHRISTOPHER
RR 5 BOX 221
JACKSONVILLE, TX 75766-9330

CIRCLE R HUNTING & FISHING
370 AN COUNTY ROAD 385
PALESTINE, TX 75801-1846

MARILYN CLEMMONS
C/O W J KUEHN
PO BOX 75
WOODVILLE, TX 75979-0075

HERBERT CLUBB AND SONS INC
18559 WILBER RD
HAMSHIRE, TX 77622-8492

NAT COLEMAN
4500 FM 2419
PALESTINE, TX 75801-0820

ERNEST COLEMAN ESTATE
C/O NAT COLEMAN
4500 FM 2419
PALESTINE, TX 75801-0820

COLMESNEIL ISD
PO BOX 37
COLMESNEIL, TX 75938-0037

COUNTRY CLUB LAKE PARK INC
PO BOX 4913
TYLER, TX 75712-4913

EDWIN COX
C/O RACHEL WILCOX
6353 STATE HIGHWAY 19 N
ATHENS, TX 75752-4157

EVELYN EZELL
PO BOX 441
JACKSONVILLE, TX 75766-0441

ESTATE OF WALTER J CRAWFORD ET AL
(CARLSON EXEMPT TR & WILSON
GRANTOR TR)
550 FANNIN ST STE 1200
BEAUMONT, TX 77701-3113

W CREWS
PO BOX 2263
ANAHUAC, TX 77514-2263

CROWN COLONY COUNTRY CLUB
900 CROWN COLONY DR
LUFKIN, TX 75901-7499

BOBBY CUNNINGHAM
PO BOX 908
GRAPELAND, TX 75844-0908

CHESTER CUNNINGHAM
PO BOX 908
GRAPELAND, TX 75844-0908

DONALD CUNNINGHAM
DBA CUNNINGHAM BROTHERS
808 EL CAMINO DR
GRAPELAND, TX 75844-2026

JAMES DAILEY
C/O HAZEL S DAILEY IND EXEC
5236 OLD SHEPARD PL
PLANO, TX 75093-5001

B DARBY
RR 5 BOX 323
JACKSONVILLE, TX 75766-9346

E DARSEY
C/O TUCKER
115 E HOMEWOOD DR
CROCKETT, TX 75835-4009

DEATON-PIPKIN PARTNERSHIP
DBA PIPKIN RANCH
2920 EASTEX FWY
BEAUMONT, TX 77703-4619

DEBORAH A CHAFFIN
(LLOYD N CHAFFIN)
704 BLUE MOUND RD EAST
HASLET, TX 76052-4027

J DEDMAN
PO BOX 632727
NACOGDOCHES, TX 75963-2727

DIBOLL, CITY OF
PO BOX 340
DIBOLL, TX 75941-0340

MILDRED DICKEY
DBA 4-W TRUST
1292 COUNTY ROAD 1705
GRAPELAND, TX 75844-8429

DIXIE LAKE INC
PO BOX 423
CARTHAGE, TX 75633-0423

MARVIN DUDLEY
1185 TAYLORS BAYOU RD
BEAUMONT, TX 77705-0750

E I DUPONT DE NEMOURS & CO
PO BOX 1089
ORANGE, TX 77631-1089

ELSIE EAKIN
C/O GRADY B LAKE JR
RR 3 BOX 55
CROCKETT, TX 75835-9501

FORD CARTWRIGHT INC
PO BOX 165
PALESTINE, TX 75802-0165

EASTMAN CHEMICAL COMPANY
ATTN OPERATIONS SUPPORT
PO BOX 7444
LONGVIEW, TX 75607-7444

ECHO LAKE PROPERTY OWNERS
ASSN
PO BOX 278
BROWNSBORO, TX 75756-0278

HOMER EIKNER
14983 STATE HIGHWAY 64 W
TYLER, TX 75704-6429

EXETER INVESTMENT CO
109 TEMPLE BLVD # 2205
LUFKIN, TX 75901-7321

EXXONMOBIL OIL CO
PO BOX 3311
BEAUMONT, TX 77704-3311

LOUIS FEARS
12456 PARKEY LN
HOUSTON, TX 77015-6632

JOE FISHER
C/O GUY C FISHER
4407 BEE CAVES RD #611
AUSTIN, TX 78746-5285

ROBERT FLOURNOY
118 S 2ND ST
LUFKIN, TX 75901-3042

FORESTER BROTHERS
PO BOX 183
ATHENS, TX 75751-0183

MAX FORTENBERRY
8036 FRIAR POINT DR
PORT ARTHUR, TX 77642-6805

GEORGE FREDERICK
1693 HOLLY SPRINGS RD
GARRISON, TX 75946-7150

J GAFFORD
PO BOX 41334
BEAUMONT, TX 77725-1334

GARDEN VALLEY GOLF RESORT INC
22049 FM 1995
LINDALE, TX 75771-7826

JOHN GAULDING
PO BOX 289
WINNIE, TX 77665-0289

JAMES GIBBS
4925 GREENVILLE AVE
DALLAS, TX 75206-4026

GRACE GILCREASE
PO BOX 631024
NACOGDOCHES, TX 75963-1024

JAMES GLASPIE
(SUSAN COLLEEN GLASPIE)
1480 AN COUNTY ROAD 320
FRANKSTON, TX 75763-7030

JUDY GOAR
RR 2 BOX 2070
GRAPELAND, TX 75844-9504

GRAPELAND COUNTRY CLUB
PO BOX 395
GRAPELAND, TX 75844-0395

GREENBRIER LAKE CLUB
C/O BOB DOUGHERTY
1106 1ST PL
TYLER, TX 75702-5700

GULF STATES UTILITIES CO
NECHES POWER STATION
PO BOX 2951
BEAUMONT, TX 77704-2951

GULF STATES UTILITIES CO
SABINE POWER STATION
PO BOX 888
BRIDGE CITY, TX 77611-0888

HAMSHIRE-FANNETT ISD
PO BOX 223
HAMSHIRE, TX 77622-0223

HANSON LAKE CLUB INC
C/O LENA E COLSLAN SEC
EASTWOOD TER 48-B
NACOGDOCHES, TX 75961

CECIL HARPER
RR 4 BOX 4492
BULLARD, TX 75757-9220

S HAYTER
C/O BESSEMER TRUST
300 CRESCENT CT STE 800
DALLAS, TX 75201-1836

J HEARD
5702 CARRIE DR
ORANGE, TX 77632-1010

HARRY HEBERT
C/O J R VITERBO
504 N 34TH ST
NEDERLAND, TX 77627-7115

HILLARY HEBERT
C/O EDWARD A DUNN
INDEPENDENT EXECUTOR
6146 CEDAR CREEK DR
HOUSTON, TX 77057-1802

L HEBERT
C/O DONNA J HEBERT
5820 CALDER AVE
BEAUMONT, TX 77706-6207

LOUIS HEBERT
C/O DONNA J HEBERT
5820 CALDER AVE
BEAUMONT, TX 77706-6207

MARTIN HEBERT
9060 MCLEAN ST
BEAUMONT, TX 77707-1221

R HECKAMAN
PO BOX 486
HAMSHIRE, TX 77622-0486

S HENDERSON
PO BOX 1365
LUFKIN, TX 75902-1365

HENDERSON, CITY OF
ATTN CITY MANAGER
400 W MAIN ST
HENDERSON, TX 75652-3099

JOHN KLEIN
496 PRIVATE ROAD 6023
GRAPELAND, TX 75844-8221

HICKORY SPRINGS POA
PO BOX 2102
LIVINGSTON, TX 77351-7102

HIDDEN HILL LAKE PROP OWNERS
ASSOCIATION
PO BOX 8643
TYLER, TX 75711-8643

ISAAC HILLEBRANDT
2390 BRANDT ST
VIDOR, TX 77662-2801

HOLLYWOOD CLUB LAKE INC
C/O JAMES R COX
PO BOX 1786
JACKSONVILLE, TX 75766-1786

ARNOLD HOOPER
136 COUNTY ROAD 432
JOAQUIN, TX 75954-1220

HOUSTON CO WCID 1
PO BOX 1246
CROCKETT, TX 75835-1246

SHIRLA HOWARD
13593 COUNTY ROAD 437
DEXTER, MO 63841-8427

ERNEST HUFF
5388 FM 1272
GRAPELAND, TX 75844-5635

HUNTSMAN PETROCHEMICAL CORP
10003 WOODLOCH FOREST
WOODLANDS, TX 77380

IDYLVILD GOLF CLUB INC
1100 E PINESHADOWS DR
SOUR LAKE, TX 77659-9212

INDEPENDENT REFINING CORP
5959 FM 2 RD
NAVASOTA, TX 77868-6532

JEFFERSON LAND COMPANY
395 N 10TH ST
BEAUMONT, TX 77702-1901

INTERNATIONAL PAPER CO
RR 6 BOX 314A
BULLARD, TX 75757-9694

DON IRWIN
(BELINDA IRWIN)
PO BOX 631202
NACOGDOCHES, TX 75963-1202

IVANHOE PROP OWNERS
IMPROVEMENT ASSN
C/O JAMES HARMAN PRESIDENT
1200 CAMELOT DR S
WOODVILLE, TX 75979-7308

JACKSONVILLE, CITY OF
CITY MANAGER
PO BOX 1390
JACKSONVILLE, TX 75766-1390

JEFFERSON CO NAVIGATION DIST
420 N M L KING JR PKWY
BEAUMONT, TX 77701-2094

JEFFERSON COUNTY DRAINAGE
DISTRICT NO 6
PO BOX 20078
BEAUMONT, TX 77720-0078

JOSEPH KOLB
1311 PINEY WOODS DR
FRIENDSWOOD, TX 77546-5225

CLIFF JOHNSON
1293 ANDERSON CR NO 419
PALESTINE, TX 75803

KANSAS CITY SOUTHERN RAILWAY
COMPANY
ATTN REAL ESTATE DEPARTMENT
PO BOX 219335
KANSAS CITY, MO 64121-9335

R KELLERMAN
1895 FM 1648
CUSHING, TX 75760-4903

C KELLEY
C/O MARY KELLEY
PO BOX 33
JOINERVILLE, TX 75658-0033

R KERSH
PO BOX 4055
TYLER, TX 75712-4055

LOUISE KIRKPATRICK
2825 VICTORIA ST
BEAUMONT, TX 77701-8440

NANCY KOLB
RR 3 BOX 834
JACKSONVILLE, TX 75766-9500

GRADY LAKE
RR 3 BOX 55
CROCKETT, TX 75835-9501

LOVELL LAKE COMPANY
14604 GARNER RD
BEAUMONT, TX 77705-7568

LAKE ALAZAN INC
PO BOX 632923
NACOGDOCHES, TX 75963-2923

LAKE FRANKSTON FISH & GAME
12614 BRECKENRIDGE DR
DALLAS, TX 75230-2002

LAKE IONI FISHING & HUNTING
1149 AN COUNTY ROAD 186
ELKHART, TX 75839-5857

LAKE MARY HUNTING & FISHING CL
MARIE BOLTON
SECRETARY/TREASURER
RR 1 BOX 1116
PALESTINE, TX 75801-9801

LAKE PLACID INC
C/O MRS ART FAULKNER
SECRETARY
PO BOX 8166
TYLER, TX 75711-8166

LAKE WINDERMERE LTD
A TEXAS LIMITED PARTNERSHIP
PO BOX 1386
MARSHALL, TX 75671-1386

LAKEVIEW METHODIST ASSEMBLY
JERRY SISK PLANT MANAGER
400 PRIVATE ROAD 6036
PALESTINE, TX 75801-4350

JIMMY LAWRENCE
13003 E STATE HIGHWAY 294
GRAPELAND, TX 75844-4926

JOHN LENOX
2006 COUNTY ROAD 3180
TYLER, TX 75706-8108

LINDA LESNIEWSKI
1013 PINEDALE PL
TYLER, TX 75701-9648

JOEL LEVINGSTON
(PORTIA A LEVINGSTON)
7744 LEVINGSTON RANCH RD
BEAUMONT, TX 77705-7738

CARL LEVY TRUSTEE
C/O KENNETH FURLOW
PO BOX 20437
BEAUMONT, TX 77720-0437

LOWELL LEWIS
1079 AN COUNTY ROAD 328 # A
PALESTINE, TX 75803-0707

LONG GLADE LAKE INC
12900 COUNTY ROAD 2127 N LOT 17
HENDERSON, TX 75652-8455

LOST PRAIRIE LAKE HUNT & FISH
PO BOX 95
PALESTINE, TX 75802-0095

LOWER NECHES VALLEY AUTHORITY
PO BOX 5117
BEAUMONT, TX 77726-5117

LOUISIANA-PACIFIC CORP
ATTN WAYNE BARRICK
1155 N FM 2869
WINNSBORO, TX 75494-5826

NEIL LOWERY
3508 HUNTINGTON CIR
NACOGDOCHES, TX 75965-3035

LUFKIN, CITY OF
PO BOX 190
LUFKIN, TX 75902-0190

MAST CATTLE & TIMBER
C/O JOHN C MAST ET AL
PO BOX 635025
NACOGDOCHES, TX 75963-5025

LUMINANT MINING CO LLC
C/O SID STROUD
1601 BRYAN ST
DALLAS, TX 75201-3411

M HALF CIRCLE RANCH COMPANY
C/O WILL WILSON
2615 CALDER ST STE 1050
BEAUMONT, TX 77702

RUTH MACKAN
C/O R B MACKAN JR
PO BOX 61
CHINA, TX 77613-0061

MARY MADAFFRI
6191 DEER PARK LN
LUMBERTON, TX 77657-9745

ERNEST MARIETTA
5785 STATE HIGHWAY 7 E
CROCKETT, TX 75835-7201

FRANK MARKEY II TRUST
PO BOX 463
HENDERSON, TX 75653-0463

E MARTIN
C/O W ARLAND BROWN
PO BOX 399
GRAPELAND, TX 75844-0399

HELEN MATTHEWS
1025 AN COUNTY ROAD 2810
TENNESSEE COLONY, TX 75861-2733

JOHN MCCALL
1006 E SAN JACINTO AVE
CROCKETT, TX 75835-1324

BETTY MCLAIN
204 E 4TH ST
RUSK, TX 75785-1308

J MCLEN
141 AN COUNTY ROAD 128
ELKHART, TX 75839-3713

MCPEAK SPRINGLAKE RANCH INC
PO BOX 750
JACKSONVILLE, TX 75766-0750

PHILLIP MEGASON
(JANE C MEGASON)
3958 COUNTY ROAD 262 N
HENDERSON, TX 75652-9287

CHARLES MILFORD
7240 E STATE HIGHWAY 294
ELKHART, TX 75839-3150

MILLER LAKE INC
C/O DUEL GLASS
1489 COUNTY ROAD 4135 N
OVERTON, TX 75684-6918

MILLER-COHLMIA TRUSTEES
2110 BRIARGROVE DR
NACOGDOCHES, TX 75965-3144

EVALINE MOORE
C/O MARSHALL L MOORE JR
383 ROYAL CIR
WHITEHOUSE, TX 75791-5321

MOTIVA ENTERPRISES
PO BOX 712
PORT ARTHUR, TX 77641-0712

J PINKERSON
2903 SUMMERSWEET PL
THE WOODLANDS, TX 77380-4022

M-R CLUB INC
PO BOX 1146
FRANKSTON, TX 75763-1146

LUCILLE MURCHISON
DBA ANLACO INC
RR 3 BOX 3325
PALESTINE, TX 75803-9525

MILDRED MASTERS
(BERT MASTERS)
PO BOX 209
POLLOK, TX 75969-0209

ROBERT MURPHEY
PO BOX 630854
NACOGDOCHES, TX 75963-0854

NACOGDOCHES, CITY OF
PO BOX 635030
NACOGDOCHES, TX 75963-5030

WADE PENNINGTON
RR 1 BOX 63
GRAPELAND, TX 75844-9706

NACOGDOCHES, COUNTY OF
ATTN GEORGE CAMPBELL
101 W MAIN ST
NACOGDOCHES, TX 75961-4807

LAURA NELSON
(ROSS BARTON NELSON III)
5925 LINE AVE STE 10
SHREVEPORT, LA 71106-2049

ALVIN NEWTON
RR 1 BOX 328
SAN AUGUSTINE, TX 75972-9716

GWENDOLYN NICHOLS
PO BOX 852
WOODVILLE, TX 75979-0852

CHARLES NORMAN
1721 MUSTANG TRL
HUMBLE, TX 77339-3277

OILTANKING BEAUMONT
PARTNERS LP
6275 HIGHWAY 347
BEAUMONT, TX 77705-9761

ONYX ENVIRONMENTAL SERVICES LLC
PO BOX 2563
PORT ARTHUR, TX 77643-2563

PALESTINE FISHING CLUB
PO BOX 266
PALESTINE, TX 75802-0266

PALESTINE, CITY OF
DIRECTOR OF PUBLIC WORKS
504 N QUEEN ST
PALESTINE, TX 75801-2733

PANOLA CO FWSD 1
CHAIRMAN - TIMOTHY K BOONE
PO BOX 331
CARTHAGE, TX 75633-0331

RAYMOND PAYNE FAMILY TRUST
C/O BARBARA SUE HAND PAYNE,
TRUSTEE
14752 STATE HIGHWAY 64 W
TYLER, TX 75704-6424

PD GLYCOL LIMITED PARTNERSHIP
PO BOX 3785
BEAUMONT, TX 77704-3785

LOLITA PETKOVSEK
(JUDITH OWEN PLUMMER)
3704 GRAMERCY ST
HOUSTON, TX 77025-1216

TROY PENNINGTON
512 SELKIRK ST
GRAPELAND, TX 75844-2205

PATRICK PHELAN
T&NORR CO SECTION 257
PO BOX 1390
BEAUMONT, TX 77704-1390

PINE LODGE CLUB INC
PO BOX 1721
PALESTINE, TX 75802-1721

PATRICIA PHILLIPS
(DOROTHY FLOREY)
2208 WEILER BLVD
FORT WORTH, TX 76112-4912

PINE CREST DEVELOPMENT CO
C/O CATHERINE B POWELL
RR 8 BOX 243J
JACKSONVILLE, TX 75766-9808

GEORGE PINKERTON
(EDITH PINKERTON)
3646 AN COUNTY ROAD 458
PALESTINE, TX 75803-4702

PLEASANT RETREAT CLUB LAKE INC
10218 QUAIL RUN RD
TYLER, TX 75709-3917

JAMES POOL
(LINDA S BIGGS)
10122 COVERIDGE DR
DALLAS, TX 75238-1521

ALEX POPE
C/O FELIX COOK JR
501 SHAWNEE TRL
HENDERSON, TX 75654-4044

PREMCOR PIPELINE CO
9405 W PORT ARTHUR RD
BEAUMONT, TX 77705-9294

PREMCOR REFINING GROUP INC
PORT ARTHUR REFINERY
PO BOX 909
PORT ARTHUR, TX 77641-0909

PROFESSIONAL INS CONCEPTS INC
7922 WESTGLEN DR #100
HOUSTON, TX 77063-6410

B QUINN
1257 FM 1340
HUNT, TX 78024-3029

SHIRLEY PRUNTY
1663 SENECA RD
WOODVILLE, TX 75979-9757

JUDITH RAIFORD
15123 GREENLEAF LN
HOUSTON, TX 77062-3630

RAY RAMSEY
(RUBY E RAMSEY)
PO BOX 263
HAMSHIRE, TX 77622-0263

JIMMY RAY
PO BOX 475
TENNESSEE COLONY, TX 75861-0475

RELIANT ENERGY INC
ATTN JASON FLUHARTY WATER
RESOURCES
PO BOX 4710
HOUSTON, TX 77210-4710

CHARLES RENEAU
(KAREN BURRELL RENEAU)
5756 BURRELL LOOP
BEAUMONT, TX 77705-9015

CHARLES RICHARDSON
3200 HWY 64 W
HENDERSON, TX 75652-8782

RIVER BEND RANCH LLC
6353 STATE HIGHWAY 19 N
ATHENS, TX 75752-4157

JAMES ROBISON EVANGELISTIC
PO BOX 982000
FORT WORTH, TX 76182-8000

RUSK STATE HOSPITAL
AN AGENCY OF TEXAS DEPT OF MHMR
PO BOX 318
RUSK, TX 75785-0318

L RUSSELL
5005 SHELLEY DR
BEAUMONT, TX 77705-4204

ROSE RUSSELL
5005 SHELLEY DR
BEAUMONT, TX 77705-4204

RUSSWOOD ACRES LAKE ASSOC
14094 STATE HIGHWAY 155 S
TYLER, TX 75703-6634

S & S OPERATING CO INC
PO BOX 1250
WINNIE, TX 77665-1250

SABINE RIVER AUTHORITY
PO BOX 579
ORANGE, TX 77631-0579

TEMPLE-INLAND FOREST PROD COR
ATTN PATRICK MILLER
303 SOUTH TEMPLE DR
DIBOLL, TX 75941-2419

SAN AUGUSTINE, CITY OF
301 S HARRISON ST
SAN AUGUSTINE, TX 75972-1996

SAN JACINTO BAPTIST ASSN
408 Lake Tomahawk Road
LIVINGSTON, TX 77351-9510

JEANINE SAWYER
PO BOX 5535
BRYAN, TX 77805-5535

PAT SCOGGINS
4008 S CHESTNUT ST
LUFKIN, TX 75901-6073

CHARLES SEEDS
NECHES RIVER RANCH
1863 COUNTY ROAD 3406
JACKSONVILLE, TX 75766-6513

KENNETH SESSIONS
(JACKLYN A SESSIONS)
RR 8 BOX 274
JACKSONVILLE, TX 75766-9035

RALPH SHARPE JR TRUSTEE
C/O YVONNE SHARPE
2707 WOOD HOLLOW DR
ATLANTA, GA 30360-1243

SHELBY CO FWSD NO 1
PO BOX 106
TIMPSON, TX 75975-0106

ROBERT SHELLHAMMER
RR 5 BOX 3166
JASPER, TX 75951-9481

TOMMY SHULTZ
4009 GARRISON PL
PLANO, TX 75023-6418

BOBBIE SIMPSON
1051 ALAMEDA DR
JACKSONVILLE, TX 75766-2749

GRADY SINGLETARY
RR 1 BOX 724
ALTO, TX 75925-9791

ARWINE SKIDMORE
C/O MRS CORA SKIDMORE IND EXEC
PO BOX 433
GRAPELAND, TX 75844-0433

W SMITH CHILDREN TRUST
C/O CRJE INC
1569 STATE HIGHWAY 315
CARTHAGE, TX 75633-3318

JUNKER SPENCER
C/O HIBERNIA TRUST
PO BOX 3928
BEAUMONT, TX 77704-3928

SPRING CREEK COUNTRY CLUB
PO BOX 429
CROCKETT, TX 75835-0429

TRAVIS STANLEY
(RAY DOWDLE)
1225 W MARSHALL AVE
LONGVIEW, TX 75604-5110

STEINHAGEN BROTHERS
C/O ROY STEINHAGEN
PO BOX 20037
BEAUMONT, TX 77720-0037

STEPHEN F AUSTIN UNIVERSITY
DEPARTMENT OF AGRICULTURE
PO BOX 13000
NACOGDOCHES, TX 75962-0001

W STRIPLING
1701 COPELAND ST
LUFKIN, TX 75904-4809

SWAN CLUB LAKE INC
C/O SALLIE CLARK
13350 COUNTY ROAD 468
TYLER, TX 75704-2928

T E PRODUCTS PIPELINE COMPANY
BEAUMONT MARINE TERMINAL
4227 DECKER DR
BAYTOWN, TX 77520-1639

J TAYLOR
18220 BIG HILL RD
BEAUMONT, TX 77705-8307

TEX IRON INC
C/O W O WEST
108 E FAIRLANE DR
LONGVIEW, TX 75604-1610

TEXAS A&M UNIVERSITY
PO BOX 617
ALTO, TX 75925-0617

TEXAS A&M UNIVERSITY
AREA FORESTER TEXAS FOREST SERVICE
PO BOX 310
LUFKIN, TX 75902-0310

TEXAS DEPT OF CRIMINAL JUSTICE
ENVIRONMENTAL AFFAIRS
PO BOX 4011
HUNTSVILLE, TX 77342-4011

TIMOTHY TEMPLIN
7922 WESTGLEN DR #100
HOUSTON, TX 77063-6410

TEXAS FOREST SERVICE
ATTN EHS
301 TARROW ST STE 364
COLLEGE STATION, TX 77840-7896

TEXAS PARKS & WILDLIFE DEPT
4200 SMITH SCHOOL RD
AUSTIN, TX 78744-3291

TEXAS PARKS & WILDLIFE DEPT
ALAZAN BAYOU WMA
4200 SMITH SCHOOL RD
AUSTIN, TX 78744-3291

TEXAS PARKS & WILDLIFE DEPT
FISHERIES DIVISION
4200 SMITH SCHOOL RD
AUSTIN, TX 78744-3291

TEXAS PARKS & WILDLIFE DEPT
MISSION TEJAS STATE HISTORICAL PARK
RR 2 BOX 108
GRAPELAND, TX 75844-9524

TEXAS PARKS & WILDLIFE DEPT
WILDLIFE DIVISION
4200 SMITH SCHOOL RD
AUSTIN, TX 78744-3291

TEXAS PETROCHEMICALS LP
5151 SAN FELIPE ST STE 800
HOUSTON, TX 77056-3627

TEXAS RICE LAND COMPANY
2121 SAGE RD STE 280
HOUSTON, TX 77056-4326

THIRTEEN CLUB INC
PO BOX 1309
CHANDLER, TX 75758-1309

DAVID THURSTON
10080 STATE HIGHWAY 31 E
MURCHISON, TX 75778

WOODLAND ACRES MAINTENANCE INC
144 COUNTY ROAD 224
CENTER, TX 75935-2919

HARRY TOSH
RR 6 BOX 422
RUSK, TX 75785-9685

TOTAL PETROCHEMICALS USA INC
PO BOX 849
PORT ARTHUR, TX 77641-0849

DOROTHY WILBER
9767 WEBB RD
HAMSHIRE, TX 77622-8472

STEPHEN TUCKER
4841 SHENANDOAH DR
WICHITA FALLS, TX 76310-2451

TXU MINING COMPANY LP
1601 BRYAN ST
DALLAS, TX 75201-3411

MARGENE TUTHILL
8135 GLENCREST ST
HOUSTON, TX 77061-1313

TXU GENERATION COMPANY LP
1601 BRYAN STREET
DALLAS, TX 75201-3411

TXU MINING COMPANY LP
MARTIN LAKE LIGNITE MINE
1601 BRYAN ST
DALLAS, TX 75201-3411

TYLER, CITY OF
TYLER WATER UTILITIES
PO BOX 2039
TYLER, TX 75710-2039

TXU MINING COMPANY LP
C/O WATER PERMITTING
COORDINATOR/ENV SVC
1601 BRYAN ST
DALLAS, TX 75201-3411

WALTER UMPHREY
PO BOX 4905
BEAUMONT, TX 77704-4905

UNION OIL COMPANY OF CALIF
PO BOX 237
NEDERLAND, TX 77627-0237

UNITED STATES DEPT OF ENERGY
BIG HILL/STRATEGIC PETROLEUM
RESERVE
850 S CLEARVIEW PKWY EF20
NEW ORLEANS, LA 70123-3401

UNITED STATES DEPT OF INTERIOR
FISH & WILDLIFE SERVICE
PO BOX 358
SABINE PASS, TX 77655-0358

UPPER NECHES RIVER MWD
PO BOX 1965
PALESTINE, TX 75802-1965

US DEPT AGRICULTURE
FOREST SERVICE
415 S 1ST ST STE 110
LUFKIN, TX 75901-3801

US DEPT OF AGRICULTURE FOREST
FOREST SERVICE
415 S 1ST ST STE 110
LUFKIN, TX 75901-3801

ALEEN WALKER
107 OAK HILL DR
PALESTINE, TX 75803-5537

CLAUDIA WALKER
2928 OAK POINT DR
JACKSONVILLE, TX 75766-8893

GILBERT WALLACE
2930 AN. CO. RD 174
GRAPELAND, TX 75844

BOYCE WARD
(SHARON M WARD)
PO BOX 395
MAURICEVILLE, TX 77626-0395

CHARLES WARNER
RR 1 BOX 66
GRAPELAND, TX 75844-9706

FLORENCE WEBB
PO BOX 237
DUNDEE, FL 33838-0237

WAYNE WEEKS
808 LAKESIDE DR
ATHENS, TX 75751-2720

CARMA WEINMAN
(EDDIE EDGE)
1509 OKEEFE RD
JACKSONVILLE, TX 75766-5207

BOBBY WELLBORN
PO BOX 18
GALLATIN, TX 75764-0018

WIERGATE LUMBER COMPANY
C/O PAUL ANDERSON
PO BOX 67
BOISE, ID 83707-0067

NANCY WESTERFELD TRUSTEE
10819 ELLA LEE LN
HOUSTON, TX 77042-2701

JOSIAH WHEAT
304 WESTMONT DR
LAREDO, TX 78041-2744

ROBERT WIGGINS
1910 FM 1406 Rd
WINNIE, TX 77665-7365

JIM WINGATE
17068 BURRELL WINGATE RD
BEAUMONT, TX 77705-8370

WILDWOOD PROP OWNERS ASSOC
PO BOX 903
VILLAGE MILLS, TX 77663-0903

YWAM-MERCY SHIPS
PO BOX 2020
LINDALE, TX 75771-2020

PANSY WINGATE
WINGATE FARMS
20397 BURRELL WINGATE RD
BEAUMONT, TX 77705-8504

JAMES WOODARD
3025 8TH AVE N
TEXAS CITY, TX 77590-6811

BISON DEVELOPMENT CO
PO BOX 7446
AMARILLO, TX 79114-7446

Honorable Jacques L. Blanchette,
County Judge
100 W. Bluff Suite 102
Woodville, Texas 75979

Honorable Linda B. Ray, County Judge
703 N. Mallard Suite 101
Palestine, Texas 75802

Honorable Wes Suiter, County Judge
PO Box 908
Lufkin, Texas 75902

Honorable Chris Davis, County Judge
135 S. Main Street 3rd Floor
Rusk, Texas 75785

Honorable Billy Caraway, County Judge
300 Monroe Street
Kountze, Texas 77625

Honorable David H. Holstein, County
Judge
100 E. Tyler Street Suite 102
Athens, Texas 75751

Honorable Lonnie Hunt, County Judge
401 E. Goliad Street Suite 201
Crockett, Texas 75835

Honorable Mark Allen, County Judge
121 N. Austin Street Room 106
Jasper, Texas 75951

Honorable Ron Walker, County Judge
1149 Pearl Street
Beaumont, Texas 77701

Honorable Joe English, County Judge
101 W. Main Street Suite 170
Nacogdoches, Texas 75961

Honorable Truman Dougharty, County
Judge
PO Box J
Newton, Texas 75966

Honorable Carl Thibodeaux, County
Judge
123 South 6th Street
Orange, Texas 75630

Honorable David L. Anderson, County
Judge
110 S. Sycamore Room 216-A
Carthage, Texas 75633

Honorable John P. Thompson, County
Judge
101 W. Church Street
Livingston, Texas 75351

Honorable Sandra Hodges, County
Judge
115 N. Main Street
Henderson, Texas 75652

Honorable Charles Watson, County
Judge
PO Drawer 716
Hemphill, Texas 75948

Honorable Randy Williams, County
Judge
100 W. Columbia Room 203
San Augustine, Texas 75972

Honorable John Tomlin, County Judge
200 San Augustine Street Box 6
Center, Texas 75933

Honorable Joel Baker, County Judge
200 E. Ferguson Suite 100
Tyler, Texas 75702

Honorable Mark Evans, County Judge
PO Box 457
Groveton, Texas 75845

Exhibit D

Resumes

Schaumburg & Polk, Inc.

Gary Graham, P.E.
Ricky Bourque, P.E.

Freese and Nichols

Simone Kiel, P.E.
A. Andres Salazar, P.E., Ph.D.

Alan Plummer Associates, Inc.

Peggy W. Glass, Ph.D.
Rex H. Hunt, P.E.

LBG-Guyton Associates

James A. Beach

Gary C. Graham, Jr., PE

BACKGROUND

Mr. Graham has been with Schaumburg & Polk, Inc. for 16 years and has experience in civil engineering for all facets of municipal infrastructure and regional planning for water, wastewater, and flood control. As President of the firm his primary responsibility is to help clients identify and implement the best options for achieving their goals.

Mr. Graham's expertise includes planning; project design; preparation of specifications; contract documents, and engineering reports; field testing; and surveying. Mr. Graham has several years experience in the application of computer-assisted modeling for evaluating various types of problems. He has developed several computer programs for specific engineering design problems.

EXPERIENCE

Wastewater Treatment Plant Expansion, Nacogdoches, Texas, for the City of Nacogdoches

Project Manager for Three Clean Water State Revolving Fund (CWSRF) projects to enlarge the city's wastewater treatment plant to 12.88 mgd (10 CBOD/15 TSS/2 NH3/6 DO) and to replace significant portions of the city's wastewater collection system. Currently, he is working on the fourth CWSRF project that will replace 65,000 lf of sewer line and upgrade the wastewater treatment plant. The estimated project cost is \$10.3 million.

Wastewater Master Plan, Nacogdoches, Texas, for the City of Nacogdoches

Project Manager for developing the city's Wastewater Master Plan. Smoke testing and flow monitoring results were used in the development of a computer model that projects future development and system loading for the city's wastewater collection system. The Master Plan was completed in 2002 and recommended current and future wastewater system improvements.

Wastewater Treatment Plant, Groves, Texas, for the City of Groves

Project Manager for construction of a new 5.25- mgd Wastewater Treatment Plant, allowing the abandonment of the city's two trickling filter plants. The project, recommended by the Regional Wastewater Study performed for Groves, Nederland, and Port Neches, included a 6-mgd lift station at one of the former treatment plan locations.



Title

- President

Years of Experience

- 28 Years

Education

- Bachelor of Science in Civil Engineering
Lamar University
Beaumont, Texas
1977

Licenses

- Registered Professional Engineer:
Texas No. 52080

Affiliations

- Texas Society of Professional Engineers
- American Water Works Society
- Board of Directors for the Southeast Texas Regional Police Academy
- Former Groves City Councilman
- Former Trustee on Port Neches-Groves School Board

Gary C. Graham, Jr., PE, cont.

Wastewater Treatment Plant Rehabilitation, Nederland, Texas, for the City of Nederland

Principal in Charge for extensive rehabilitation of the city's wastewater treatment plant that doubled the plant's wet weather capacity. The plant's treatment capacity was also improved to comply with a 7 CBOD/15 TSS/2 NH3 permit.

Collection System Improvements, Nederland, Texas, for the City of Nederland

Principal-in-Charge for performance of a 5-year collection system improvement program recommended by the Sewer System Evaluation Survey (SSES). TCEQ enforcement action required the SSES and collection system improvements.

Sewer System Evaluation Survey, Port Neches, Texas, for the City of Port Neches

Project Manager for SSES of collection system consisting of approximately 400,000 lf.

Wastewater Treatment Plant Improvements, Port Neches, Texas, for the City of Port Neches

Project Manager for miscellaneous improvements to the city's wastewater treatment plant performed including installation of a new step-screen for the headworks, solving a chronic effluent pump station performance problem, and the plant's conversion to aerobic digestors.

Capital Improvements Program, Port Neches, Texas, for the City of Port Neches

Project Manager for ongoing Capital Improvement Program comprised of approximately \$12 million in public works improvements.

Water and Wastewater System Improvements, Jasper, Texas, for the City of Jasper

Project Manager for ongoing water and wastewater system improvement projects including conversion of the city's RBC wastewater treatment to activated sludge, increasing its capacity from 1.8-mgd to 3.25-mgd, a new well and elevated water tank to serve the state jail, and a new elevated water tank to replace a 75-year-old tank at the public works yard.

Regional Flood Control Study, Nacogdoches, Texas, for the City of Nacogdoches

Role for preparation of a Regional Flood Control Study for 50 square miles in and around Nacogdoches resulting in recommended improvements totaling more than \$20 million. This study modeled every stream crossing in the study area for various design storms for both present and future conditions.

East Texas Regional Water Planning

Project Manager for complete results stemming from Senate Bill 1 currently include the completed 2001 East Texas Regional Water Plan and the development of the 2006 East Texas Regional Water Plan. Development of the 2006 Plan is currently underway.

Regional Wastewater Study, Groves, Texas, Nederland, Texas, Port Neches, Texas, for the Cities of Groves, Nederland & Port Neches

Role for preparation of a Texas Water Development Board funded Regional Wastewater Study covering three Mid-County cities. The study considered both joint and individual alternatives for wastewater treatment. Recommended improvements totaled more than \$25 million and were constructed by all three cities.

Regional Water Study, Jefferson and Hardin County, Texas, for the Lower Neches Valley Authority (LNVA)

Role for preparation of a Texas Water Development Board funded Regional Water Study covering Jefferson County and portions of Hardin County. The study considered current and future water use, water demands, and populations. Water uses considered included potable, industrial, and agricultural. Increased future agricultural water use projections significantly through submission and approval of the use of local data regarding agricultural water uses.

Gary C. Graham, Jr., PE, cont.

Body Aircraft Maintenance Facility, Nederland, Texas, for Jefferson County Airport

Role for preparation of plans and specifications for a wide body aircraft maintenance facility with recommended improvements totaling \$17 million. Direct responsibility for design of the paving and drainage of the aircraft apron, the hangar, and the hangar floor.

Runway Improvements, Nederland, Texas, for Jefferson County Airport

Role for preparation of plans and specifications for 16/34 runway improvements with the goal to raise the runway rating to meet FAA standards for 90,000-lb wheel-loading, over-all, 190,000-lb wheel-loading in safety area of runway 12/30.

Drainage Design, Port Arthur, Texas, for the City of Port Arthur

Role for performance of initial drainage design for Highway 82 from West Seventh Street to Gulfway Drive.

Drainage Plan, Beaumont, Texas, for the City of Beaumont

Role for preparation of Drainage Plan for Prince Street area, a 1400+ - acre area near

Drainage Plan, Beaumont, Texas, for the City of Beaumont

Role for preparation of drainage plan for high school ditch area of Beaumont, a 600+ -acre area, with recommended improvements totaling \$10.5 million.

Paving and Drainage Improvements, Beaumont, Texas, for the City of Beaumont

Project Manager for design of paving and drainage improvements for Concord Road from IH-10 to the Railroad.

Ricky J. Bourque, P.E.

BACKGROUND

Mr. Bourque is a Registered Professional Engineer in the State of Texas and a graduate of Texas A&M University.

Mr. Bourque has 29 years experience and expertise in water planning, design, construction administration, quality assurance testing, wastewater treatment, wastewater collection, land development, roads, ports, airports and landfills.

EXPERIENCE

Lower Neches Valley Authority West Regional Water System

Role: Design of 5.0 MGD surface water treatment plant and 35 miles of 20-inch water transmission/distribution line. Facility was designed for wide fluctuation in seasonal flows for a tourist area.

City of Nederland

Role: Design of 5.25 MGD single stage nitrification plant with a peak flow of 26 MGD. This was a renovation project that required design of overhead structures.

City of Groves

Role: Design of a new 5.22 MGD single stage nitrification plant with a peak flow of 25 MGD.

City of Port Neches

Role: Preparation of specifications, construction administration and inspection of anaerobic digestors.



Digester Blowers

City of Nederland

Role: Design of a new plan lift station and a 30 foot diameter well with six submersible pumps.



Title

- Project Engineer

Years of Experience

- 29 Years

Education

- Bachelor of Science in Civil Engineering
Texas A&M University
College Station, Texas
1977

Licenses

- Registered Professional Engineer in the State of Texas No.

Affiliations

- American Society of Civil Engineers: serving in various local and State offices

Awards

- 2006 Engineer of the Year

Ricky J. Bourque, P.E.

City of Nederland

Role: Rehabilitation of existing lines, approximately 40,000 lineal feet, and construction of new force main and lift station.

City of Groves

Role: Construction of two new submersible lift stations (26 MGD and 6 MGD peak flows) and 24,000 feet of large diameter force mains (18" and 24"). Odor control system for one lift station was also implemented.



Arial Photograph of
Groves WWTP

City of Port Arthur EPA Construction Grants Program

Role: A joint venture, which provided engineering services on a \$50 million improvement program for the wastewater system. Responsible for coordination of budgets, grant amendments, design standards, meetings with Owner and Regulatory Agency, and for the design of two major trunk sewers with an estimated cost of \$7 million.

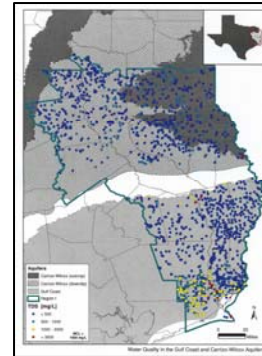
City of Nederland

Role: Sanitary Sewer Evaluation Survey for a 430,000 linear foot system. Evaluation included physical inspection, smoke testing, flow measurements, and hydraulic modeling. Reviewed and summarized information to prepare a schedule for rehabilitation.

East Texas Regional Water Plan

Role: Involved in the first East Texas Regional Water Plan in the areas of the report that identified water resources, developed management strategies and recommended legislative changes to the process. Played an instrumental role in the coordination of information from the other team consultants, organization of the public hearing

presentations, responses to public comments, and in the organization and assembly of the final plan.



Graphic from 2006 East Texas Regional
Water Plan

Lower Neches Valley Authority

Role: Completed Regional Water Study which addressed projected water demands and reviewed water supply and alternatives to provide water surface supply and treatment to communities which currently use groundwater.

Park Central Municipal Utility District

Role: Provided design and construction administration engineering services on assigned sections of the development.

Temple-Inland

Role: Management of quality assurance service during construction of paper machine expansion project.

Browning-Ferris, Inc.

Role: Management of quality assurance services for certification of 15 acre landfill.

Ricky J. Bourque, P.E.

Orange County Airport

Role: Construction Administration and quality assurance testing for improvements to extension of taxiway and runway.



**Aerial Photograph
Orange County Airport**

Port of Beaumont

Role: Planning, design and construction administration services for 50,000 square foot transit shed and various maintenance projects.

Port of Port Arthur

Role: Design and construction administration services for maintenance projects including fender systems, shore protection and railway.

Vista

Role: Review of design and manufacturing standards for incinerator constructed to foreign standards. Assembled and submitted package for approval by U.S. Coast Guard for use on vessels

Simone Kiel, P.E.



Years Experience: 20

Education:

B.S., Civil Engineering - Rice University, 1980

M.S., Environmental Engineering - Rice University, 1987

Registration: Professional Engineer Texas, # 93615

Ms. Kiel has varied experience in the water resources and civil engineering fields. Her water resource experience includes water management planning, reservoir operation studies, and groundwater and surface water availability evaluations. Ms. Kiel has worked with Senate Bill One Regional Water Planning since its inception, and has worked with consultant teams in seven planning group regions. Ms. Kiel's environmental experience ranges from preparing and implementing remedial investigations to the development of feasibility studies and remedial action plans. She has worked on a variety of projects throughout the continental United States.

- **Senate Bill One Regional Water Supply Plan, Region B** - *Biggs and Mathews, Inc.* - Project manager for Senate Bill One Regional Water Supply Plan for Region B in north Texas. Project included development of water supply estimates for reservoirs and aquifers within the 10-county region, identification of water supply needs and local issues, and the development of water management strategies.
- **Senate Bill One Water Supply Plan, Region F** - *Texas Water Development Board* - Project Manager for the third round of Senate Bill One regional water planning. Project member for the 2001 Water Supply Plan for Region F, a 32-county region in west Texas. Responsibilities included evaluations of water supplies, development of conceptual plans and associated costs for strategies to meet regional demands, and development of final plan.
- **Senate Bill One Water Supply Plan, Region A** - *Texas Water Development Board* - Project member for the Senate Bill One Water Supply Plan for Region A, located in the panhandle of Texas. Responsibilities included evaluations of current water supplies, development of conceptual plans and associated costs for strategies to meet regional demands, and assisted in the development of the final plan.
- **Lower Bois d'Arc Creek Reservoir Phase II** - *North Texas Municipal Water District*. – Assistant Project Manager for studies related to preparing a water rights application and 404 permit application for the development of the proposed Lower Bois d'Arc Creek reservoir in Fannin County. Activities include coordination and management of a team of engineers and scientists, client interface and review of documents developed in support of the permit applications.
- **Water and Wastewater Plan** - *City of Vernon, Texas* - Worked together with other team members to develop a comprehensive water and wastewater plan for the City that included an evaluation of the City's current water supply, water distribution system and wastewater system. It included the development of a capital improvement plan to meet the City's needs over a 50-year period for water supply and 20 years for distribution.



- **Texas Water Allocation Assessment Project** - *U.S. Army Corps of Engineers, Fort Worth District* - Lead project engineer for the Texas Water Allocation Assessment project. This project includes review of the reports from the 16 Regional Water Planning Groups in Texas and interviews of 95 identified stakeholders to determine if a Federal interest in multipurpose planning initiatives might prove beneficial to meet long-term watershed and related water supply goals.
- **Watershed Management Plan** - *Sabine River Authority* - Development of a comprehensive watershed management plan for the Sabine Basin for the Sabine River Authority. Conducted analyses of potential new water supply projects and prepared detailed cost estimates.
- **Water Supply Studies** - *City of Greenville, Texas* - Evaluated different water supply and system enhancement strategies for the City of Greenville. Included reservoir operation studies with off-channel diversions and cost evaluations.
- **West Central Brazos Planning Study** – *Brazos River Authority* - Project manager for the West Central Brazos River Basin Regional Water Treatment and Distribution Facility Plan. This study evaluated the water supply needs in an 18-county region in the West Central Brazos River Basin. It provided a plan to transfer water efficiently to entities with needs using existing facilities, modified facilities, and/or new facilities. The study produced a long-term water supply plan for the region as well as an emergency action plan that could be implemented during extreme drought.
- **Identification and Evaluation of Financing Programs for Brush Control in Texas** - *Upper Colorado River Authority* – Project manager for the evaluation of financing programs that may be applicable for continuation of the State Brush Control Program. This project included identification of local, state and federal financing programs, including recent legislation that could potentially be used for implementation or maintenance of brush control.

A. Andres Salazar, P.E., Ph.D.



Years Experience: 4

Education:

B.S., Civil Engineering - Universidad de los Andes, 1994

M.S., Civil Engineering - Universidad de los Andes, 1995

Ph.D., Civil Engineering - Texas A&M University, 2002

Registration: Professional Engineer Texas, # 95010

Dr. Salazar serves as modeler for water availability analysis, water rights applications, reservoir system operations, river basin management, and water quality modeling. He actively participated in the development of the 2006 Regional Water Plans in Texas. He has developed research in hydrologic modeling and conditional probability analyses. He has experience with computer modeling programs for river basin management, including such programs as the Water Rights Analysis Package, the TCEQ Water Availability Models, and RiverWare, and has developed computer models for water resources applications.

- **Regions F/K Subordination Analysis – SB2 Regional Water Plan** – Analyzed the water available to and impacts on existing water rights as a result of a potential subordination agreement between senior water rights in the Lower Colorado Basin (Region K) and 17 reservoirs in the Upper Basin (Region F). Created an accounting method for the transferring of water among water rights. Modeling was developed using the Water Availability Modeling of the Colorado Basin and included the evaluation of naturalized flows for the drought period 1998-2004.
- **Region C 2006 Regional Water Plan – SB2 Regional Water Plan** – Calculated surface water supplies for Region C using the Water Availability Models of the Trinity, Sabine, Red, and Sulphur River Basins. Adjusted the models to reflect conditions expected during the planning horizon to include sedimentation rates and proposed reservoir operating policies. Evaluated availability for proposed reservoirs including environmental flows restrictions.
- **Region I 2006 Regional Water Plan – SB2 Regional Water Plan** – Evaluated surface water availability for Region I (East Texas) using the Water Availability Model of the Sabine and Neches River Basins. Developed detailed evaluation for Lake Columbia and Toledo Bend Reservoir. Coordinated with TCEQ and the Angelina-Neches River Authority the modeling of a subordination of Sam Rayburn Reservoir to Lake Columbia. Analyzed hydropower operations of Toledo Bend Reservoir and its impact on water supplies. Analyzed several operation options for Sam Rayburn-Stainhagen system to meet hydropower and water supplies in the lower Neches Basin. Evaluated impact on streamflows due to implementation of the proposed plan.
- **2006 Panhandle Regional Water Plan – SB2 Regional Water Plan** – Evaluated surface water availability for Region A (Texas Panhandle) using the Water Availability Model of the Canadian and Red River Basins. Extended the hydrology of the model of the Canadian Basin to include the recent drought. Developed a channel loss study in the Canadian River. Developed a conditional reliability assessment for Lake Meredith and Lake Palo Duro.

- **2006 Far West Texas Regional Water Plan – SB2 Regional Water Plan** – Served as a project manager since February 2002. Evaluated water supplies using the Rio Grande Water Availability Model. Developed and compared six potential water management strategies that would meet the required water needs for the County of El Paso. Evaluation of strategies included projection of water supply and demand, conjunctive use, environmental impacts, socioeconomic impacts, water quality, and costs.
- **Drought Modeling** – *North Texas Municipal Water District* - Developed a computer model to evaluate the reliability of the District's reservoir system under drought conditions. Model included operation of Lakes Lavon, Texoma, and Chapman; two large pipelines; additional water from the East Fork reuse project and Lake Tawakoni or other sources; and drought contingency planning.
- **Reuse Permit Application** – *North Texas Municipal Water District* – Assisted the District on the technical evaluation of water availability for the reuse project on the East Fork of the Trinity River.
- **BRA Reservoir System Permit Application** – *Brazos River Authority* - Developed a model of the Authority's reservoir system using the TCEQ's Water Availability Model of the Brazos Basin. Evaluated additional yield available as a result of system operation, basin-wide impacts on existing water right diversions, and impacts on streamflows under multiple scenarios of priority calls, environmental flow restrictions, and system operation rules.
- **West Central Brazos Water Treatment** - *Brazos River Authority* - Developed a model to calculate the likely storage levels in the next 24 months given conditions of storage as of January 2003.
- **System Operation Assessment of Wright Patman and Jim Chapman Lakes** - *U.S. Army Corps of Engineers* - Developed a model to assess the performance of Jim Chapman and Wright Patman Lakes when operated as a reservoir system. Evaluated alternatives for the operation of a potential pump station and pipeline from Wright Patman Lake to Jim Chapman Lake.
- **Evaluation of Cypress Basin Availability** - *North Texas Municipal Water District* - Reviewed the Water Availability Model of the Cypress Basin. Developed corrections to the naturalized flows of the Cypress Basin. Estimated the firm yield for Lake O' the Pines for different capacities.
- **Water Supply System Operations Study** - *North Texas Municipal Water District* - Developed a computer model for the system operation of Lavon, Ray Hubbard, Texoma, and Chapman Reservoirs to determine firm yield of several operational policies. Conducted a hydrology study to estimate historical inflows in Lavon and Ray Hubbard Lakes. Calibrated and operated the system operation model to determine the feasibility of different system operation rules for water supply to the North Texas Municipal Water District.

EDUCATION

*University of Texas, Ph.D.
Analytical Chemistry, 1969*

*Texas State University,
B.S. Chemistry, 1962*

**PROFESSIONAL
HISTORY**

*Alan Plummer Associates,
Inc., 1988 - Present
Principal*

*CH2M Hill, Inc., 1986 -
1988
Area Manager*

*Glass Environmental
Consultants, Inc., 1979 -
1986
Principal*

*Texas Department of Water
Resources (Texas Natural
Resource Conservation
Commission), 1973 - 1979
Assistant Division
Director*

*URS/Forest & Cotton, 1968
- 1973
Laboratory Manager
Project Manager*

AFFILIATIONS

*Texas Water Conservation
Association – Past
President*

*Water Environment
Federation*

*Water Environment
Association of Texas –
Past Treasurer and
Conference Program
Committee Chairman*

*American Water Works
Association*

*Society of Environmental
Toxicology and Chemistry*

PEGGY W. GLASS, Ph.D.

Dr. Glass, a principal with Alan Plummer Associates, Inc., and Austin office manager, has more than 30 years of professional experience. Dr. Glass' experience includes the range of technical and regulatory areas necessary to effectively address complex environmental issues. She has participated in projects involving water supply, evaluations of environmental resources, wastewater management, and impact assessments. She has evaluated and provided assistance with technical, regulatory, and financial requirements for a wide variety of projects.

Dr. Glass' experience in the following areas enables her to effectively address complex environmental issues:

- Permitting and regulatory policies, requirements, and procedures at the local, state, and federal levels.
- Water quality management, including quality criteria and standards, stream studies and modeling, nonpoint source evaluations, and nonpoint source controls.
- Environmental assessments.
- Public information and involvement programs.

Water Resources

Dr. Glass has worked on projects addressing a range of water resource issues, including the following:

- She was on a special consultant team working for the Edwards Underground Water District that developed a Drought Management Plan for the Edwards Aquifer.
- She was retained by the Texas Water Conservation Association, in cooperation with the Texas Water Development Board, to conduct interviews with representatives of groups with an interest in the recommendations of the Texas Water Plan. Input was solicited from these groups on key water planning issues. The results of the interviews were compiled and provided to the Texas Water Development Board for their use in developing the plan.
- Dr. Glass was an active participant in the first and second rounds of regional water planning activities conducted pursuant to Texas Senate Bill 1. She has performed various study tasks for planning activities in five of the sixteen planning areas. She also served as a member of the Environmental Stakeholder Group that provided recommendations for the policy chapter of the State Water Plan developed in 2001. Specific tasks performed or directed by Dr. Glass included the development

of drought and conservation plans for water suppliers, evaluation of waterbodies proposed for designation as Unique Stream Segments, inventory of water quality problems impacting water supplies, evaluations of water supply alternatives, identification of reuse opportunities, evaluation of ecological water demands, and public participation.

Water Supply

Dr. Glass' experience with water treatment processes includes laboratory experience in conducting jar tests to identify design parameters. As a Laboratory Manager, she directed softening/clarification studies for the North Texas Municipal Water District plant at Wylie, Texas, and the City of Port Lavaca, Texas, water treatment plant. She also has reviewed alternatives for fluoride removal and the pretreatment requirements associated with membrane treatment systems.

She participated in the project to select a raw water intake location on the Guadalupe River for a new surface water treatment plant for the City of San Marcos, Texas. One of the factors assessed when evaluating the various locations was the quality of the water at the various locations with respect to Safe Drinking Water Act (SDWA) parameters including Total Organic Carbon, Trihalomethane (THM) formation potential and haloacetic acid (HAA) formation potential. A sampling program was designed and implemented to collect data as part of the project, and previously collected data were also used.

She has participated in assessments of alternative water supply options. These projects have included the evaluation of supply options for mobile home communities near the Dallas-Fort Worth metroplex and south of Odessa, Texas.

Environmental Evaluations

Dr. Glass has directed a number of environmental assessments. Projects assessed have included a road-widening project, a proposed residential development, a proposal to convert the M-K-T Railroad from Fort Worth to Houston from diesel power to

electric power, the City of Austin Water Treatment Plant Number 4, several sewage treatment plants, a sewerage system rehabilitation project, water quality management plans, and pipeline projects for both water lines and sewer lines.

She was an active participant in the 1986 City of Austin Water Treatment Plant No. 4 project. Her responsibilities for this project included participation in the site selection process, preparation of environmental assessments, and permitting for all phases of the project, as well as the public information program. This project, located in the environmentally sensitive area west of Austin, included the following components: an intake in Lake Travis, over two miles of raw water tunnel, a treatment plant with 60 million gallons per day (MGD) initial capacity located on a previously undeveloped 240-acre site, 14 miles of transmission mains, an eight-mile sludge transfer line, and a sludge disposal site. The project requires over 80 regulatory and environmental submittals to local, state, and federal agencies. The environmental assessment of the treatment plant site included an inventory of the existing ecological, hydrological, and cultural resources. Potential impacts of construction of the proposed facilities were evaluated, and mitigative strategies were recommended as appropriate.

Wastewater Reuse

Dr. Glass has participated in a number of effluent reuse projects. These projects have included the reuse of treated wastewaters for a wide variety of purposes:

- Irrigation of golf courses, parklands, and a university campus
- Agricultural reuse, and
- Industrial reuse

She has also participated in a study that investigated the feasibility and potential regulatory requirements for a dual water system for a portion of the City of Odessa, Texas.

Water Quality Criteria

While employed by the Texas Department of Water Resources (now TCEQ), she directed the water quality standards program for Texas. More recently, she has served as special consultant to the Texas

Municipal League (TML) and Texas Association of Clean Water Agencies (TACWA) and assisted them in evaluating and commenting on proposed Texas Surface Water Quality Standards. She has also represented the Texas Water Conservation Association (TWCA) on TCEQ stakeholder groups when water quality standards were being revised. She currently serves on the TCEQ Nutrient Criteria Workgroup and is the chair of the TWCA Nutrient Criteria Committee.

Water Quality Management

Dr. Glass has extensive experience with water quality management programs. She has been involved in the following aspects of these projects:

- Design and implementation of sampling studies for routine monitoring, as well as special investigations, and studies during normal flow conditions, as well as stormwater runoff sampling.
- Development and evaluation of mathematical water quality models using the Streeter-Phelps equation, the TCEQ Simplified Streeter-Phelps model, and QUAL-TX.
- Development of management programs for point sources.
- Development of plans to control the quality of stormwater runoff.
- Development of water quality criteria
- Assessments of nonpoint sources - She has been involved in nonpoint source projects since 1976. While she was Chief of Water Quality Management and Planning for the Texas Department of Water Resources, she directed the first statewide evaluation of the presence and impacts of nonpoint source pollutants in Texas.

Constructed Wetlands

Dr. Glass has experience with the application and evaluation of a constructed wetlands system for wastewater treatment.

- In 1984, she proposed the use of a submerged-flow constructed wetlands to provide polishing and increased reliability at a domestic wastewater treatment plant. The system was constructed in 1985. This was one of the first applications of the technology at a nonexperimental plant in the United States. The treatment plant and wetlands unit operated continuously and effectively for over 10 years.
- She was a member of the Advisory Committee that assisted the TCEQ in developing design criteria for constructed wetlands systems.
- She has assisted with permits for constructed wetland wastewater treatment systems for the City of Beaumont and Jefferson County Water Control and Improvement District Number 10.

Financial Studies

Dr. Glass has prepared financial assessment reports for bond applications and developed user charge systems for wastewater utilities. Assistance in developing wastewater rates and user charge systems has been provided to a number of cities including Desoto, Lancaster, Cedar Hill, Ferris, New Braunfels, Onalaska, and Lockhart.



EDUCATION

*University of Texas at Austin,
B. S. Civil Engineering, 1975*

*University of Texas at
Arlington,
M. S. Civil Engineering, 1984*

REGISTRATION

*Professional Engineer:
Texas No. 48237*

PROFESSIONAL HISTORY

*Alan Plummer Associates,
Inc., 1998 – Present
Sr. Project Manager*

*EMCON, Inc., 1984 – 1998
Project Manager*

*Texas Department of Health,
1976 – 1984
Regional solid waste and
water system evaluator*

REX H. HUNT, P.E.

Mr. Hunt is a senior project manager with Alan Plummer Associates, Inc. (APAI). He offers a wide range of engineering experience, gained in over 30 years as a civil engineer. Mr. Hunt's career has included environmental and civil engineering projects in water resources, municipal wastewater, industrial wastewater, and municipal solid waste management. He has also completed numerous assignments relating to environmental site assessments and environmental investigations. In particular, Mr. Hunt has focused on issues related to regional water planning, development and assessment of water supply management strategies, drought planning and management, water reuse, and water-quality modeling.

As an APAI project manager for two rounds of regional water planning (Senate Bill 1) projects, Mr. Hunt was responsible for assessing the adequacy of existing water supplies, determining the potential impact of new water quality regulations on regional water planning, assisting communities with the development of drought management plans, assessing regional agricultural water use practices, developing potential water management strategies, and assessing the impact of water management strategies on the environment. He developed a conceptual design for a sub-regional water system to improve the availability of water for the area and enable the area to comply with new water quality regulations. He also helped develop an innovative procedure for evaluating multiple regional water management strategies for adequacy of supply, environmental impacts, impacts on agricultural resources, water resources, and natural resources, regulatory acceptability, and cost.

Mr. Hunt has also managed APAI's water and wastewater projects for power suppliers. In these projects, Mr. Hunt has worked closely with the clients to develop water supply strategies, plan for the management of wastewater, obtain required wastewater permits, and assess the environmental conditions of proposed project sites. These projects have required close coordination with environmental regulators to maintain the typically tight schedules for power plant development projects.

More detailed descriptions of selected typical projects for which Mr. Hunt has been responsible include the following.

Water Resources

- **Regional Water Plan – Region F** APAI's role in this project included several specific tasks in this 19-county west Texas planning region. APAI evaluated the current state of agricultural irrigation in the region and projected irrigation water use for the planning period. This resulted in a substantial modification of the State's previous projection of irrigation demand. APAI also developed a water management strategy for municipal water use for an area currently served principally by ground water. The primary aquifer in the area is naturally high in radioactive isotopes, and may

become unusable as a sole source due to regulatory prohibitions. A strategy was developed to link the individual public water systems and bring various combinations of treated surface water and new ground water supplies to the area. APAI also evaluated numerous regional strategies for suitability with a number of environmental, regulatory, and technical criteria

- **Regional Water Plan – Region B** APAI had several tasks in its role as a team member for this Senate Bill 1 project. In the first round, APAI was responsible for preparing a summary of existing planning efforts in the region, assisting with development of drought management plans for over 50 communities in the region, and development of the region's response to the State's program for unique stream segments and reservoir sites. In addition, APAI assisted with developing strategies for municipal water management and preparing general recommendations for selecting water management strategies for inclusion in the plan. In the second round of planning, Mr. Hunt was responsible for preparing an environmental study of an irrigation canal for the area to determine how to better conserve water delivered for irrigation.
- **Regional Water Planning – Region I** Mr. Hunt managed APAI's efforts in the second round of regional water planning. In this project, APAI was responsible for developing water management strategies for water supply needs in six counties in the Region. APAI also evaluated environmental impacts of water management strategies for the region and prepared documentation to demonstrate compliance with water planning criteria.

Water Supply

Mr. Hunt has managed preliminary engineering studies for water supply projects. The projects evaluated options for treatment and conveyance of raw water to be used to supplement or replace existing potable water supplies. Representative projects include the following:

- **City of Blanco Water Supply.** This project involved the evaluation of a regional water supply line from Canyon Lake to the City of Blanco. The supply line would provide drinking water from an existing water treatment plant. Alternatives for providing treated water to meet the entire demand for the City versus supplementing the existing supply were evaluated. In addition, the project compared construction of a water supply line for the City only against increasing the line size to accommodate future development along the 10-mile highway corridor. The project included development of preliminary opinions of cost for the various alternatives evaluated.
- **City of Johnson City Water Supply.** This project involved a preliminary evaluation of constructing a water supply line from Lake Marble Falls to Johnson City to supplement the existing water supply. Alternatives of constructing a water line for the City only versus increasing the line size to accommodate future development were evaluated. The project included the development of preliminary opinions of cost for the two alternatives evaluated.

Wastewater Permitting

Mr. Hunt has prepared numerous applications for wastewater permit renewals and amendments. Often these projects require water quality modeling to determine the effect of the wastewater discharge on the receiving waterbody. Mr. Hunt has worked closely with the TCEQ, EPA, and other regulators to assist the client in obtaining permits that are protective of the environment but not overly stringent to meet. Representative projects include the following:

- **San Jacinto River Authority.** He has assisted San Jacinto River Authority (SJRA) with water quality modeling for a permit amendment. Later, APAI prepared an application for renewal of the permit. Additional modeling for the renewal demonstrated that more stringent permit limits would not be necessary to achieve stream standards. Mr. Hunt has also assisted SJRA at another wastewater treatment plant in evaluation of whole effluent toxicity (WET) monitoring results and negotiation with the TCEQ and EPA regarding WET limits in the permit.
 - **City of Dumas.** Mr. Hunt evaluated regulatory issues associated with discharging treated effluent from the City of Dumas WWTP. He is also managing the project to obtain a permit to discharge the effluent. This required evaluation of potential outfall locations and water quality modeling.
 - **Power Generating Station Project in Southeast Texas.** This was a fast-track project that required the evaluation of a discharge permit that had recently been granted for the power plant, but with conditions and limitations that would have prevented the plant from operating as designed. It required the field assessment of various alternatives for new discharge locations, assessment of the capacity of the various potential receiving waters to accept the plant's effluent, and recommendations for a new discharge location. In addition, APAI prepared the permit application to amend the discharge permit and worked closely with the Texas Commission on Environmental Quality to obtain the amended permit in record time. APAI also prepared the preliminary engineering plans for the discharge pipeline and outfall structure. APAI also performed the necessary field assessments for wetland jurisdictional determination obtained the 404 permit required for the project.
 - **Power Plant Project in North Texas.** This project has involved working closely with the client and with local, state, and federal regulatory staff to develop a plan to use treated wastewater effluent to meet the plant's substantial need for water in the power plant. This innovative project also called for two alternatives for disposal of the plant's wastewater (primarily cooling tower blowdown). One alternative involved the return of the blowdown to the wastewater treatment plant from which the reclaimed water was sent. The other alternative involved the discharge of the blowdown to a receiving stream. Industrial pretreatment permits were required for the project, as was a discharge permit from the state. The project required the development of several mathematical models for the purpose of predicting the impact of the blowdown on the wastewater treatment plant and on the receiving stream.
 - **Power Plant Project in East Texas.** This ongoing project has involved assisting the client to develop a comprehensive environmental permitting schedule, water supply evaluation, wastewater discharge permitting, assessment of alternatives for routing of water supply and wastewater discharge pipelines, environmental assessment of the project site and easements, and 404 permitting for the site and proposed easements. APAI is also coordinating a water quality study of the nearby river that will serve as both the raw water supply and the receiving stream for the wastewater discharge. The project has required extensive modeling to determine potential impacts of the discharge on the receiving water.
- APAI also prepared the conceptual design for the cooling water intake system. Water will be withdrawn via an infiltration gallery constructed in the bed of the source water (a river). Due to new rules for cooling water intakes, APAI has had to evaluate the design to determine likely impingement or entrainment impacts on aquatic species in the source water.

Water Quality Criteria and Evaluation

Mr. Hunt directed the evaluation of a report prepared by the U.S. Fish and Wildlife Service regarding water quality criteria and endangered species. The evaluation was conducted at the request of a municipal client that could be impacted by the changes to water quality criteria suggested by the report. Impacts could range from requiring increased regulations on industrial dischargers to the client's WWTP, to a requirement to move the discharge downstream several miles, or out of the watershed altogether. Recommendations from the report that would likely cause the most significant impacts were reviewed and evaluated for potential impacts. Where appropriate, alternatives were suggested as part of the evaluation.

Primarily through work with power plant projects, Mr. Hunt has also performed numerous evaluations of impacts of elevated dissolved salts on wastewater treatment plants and receiving waterbodies for effluent discharges. He has prepared mass balance modeling scenarios to determine at what level of loading dissolved salts would impact water quality criteria and has worked closely with regulators to develop innovative ways to minimize impacts and reduce regulatory requirements regarding dissolved salts.

James A. Beach

James Beach is a Professional Geoscientist with over 16 years experience in ground-water and surface-water hydrology, water resources, environmental assessments, numerical flow and solute transport modeling, quantitative contamination evaluations, and litigation support. He specializes in application of numerical models to evaluate water resources as well as contaminant flow and contaminant transport in the subsurface. Mr. Beach has experience in field hydrology and hydrogeology and application of quantitative hydrology in the water resources arena. This includes evaluation of ground-water availability and quality in many different aquifer systems, evaluation of current and projected water supply and demand, identification of critical ground-water areas, ground-water/surface water interaction, hydrologic modeling, development of water-management strategies, development of water-supply plans, public interaction, and report preparation.

Mr. Beach has consulted for commercial, industrial and government clients to meet regulatory mandates as well as assisting regulatory agencies in technical issues of evaluating compliance at permitted facilities. He has experience in the application of saturated and unsaturated flow and transport models, GIS applications and mapping, visualization and animation, database development and management, statistical, geostatistical, and stochastic analysis, technology transfer, and regulatory/public interaction.

Mr. Beach has extensive experience characterizing, evaluating, and modeling flow and contaminant transport in unsaturated and saturated zones. He has used quantitative models to evaluate ground-water/surface-water interaction, long-term ground-water availability, recharge, well field impacts, surface-water flow/transport, deep-well injection, natural and enhanced bioremediation, landfill covers, slurry/sheet pile walls, and injection/recovery systems. He has worked at sites with contamination from free and dissolved phases of light and dense nonaqueous organic liquids, radionuclides, inorganic species and metals.

Education:	B.S. in Hydrology, 1987 from Tarleton State University, Stephenville, Texas; M.S. in Hydrology, 1989, from New Mexico Institute of Mining and Technology, Socorro, New Mexico.
Registration:	Certified Ground Water Professional, #118904, National Ground Water Association Professional Geoscientist #2965, State of Texas
Technical Societies:	American Geophysical Union Association of Ground-Water Scientists and Engineers (National Ground Water Association)
Professional History:	LBG-Guyton Associates, Austin, Texas , 2005 to date, Senior Associate LBG-Guyton Associates, Austin, Texas , 2002-2005, Associate LBG-Guyton Associates, Austin, Texas , 1999-2001, Senior Hydrologist INTERA, Austin Texas , 1992-1999, Ground-Water Hydrologist

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Professional
History:
(continued)

McCulley, Frick & Gillman, Inc., Austin, Texas, 1989-1992, Ground-Water Hydrologist
Hall Southwest Water Consultants, Austin, Texas, 1987, Staff Hydrologist
Magill Well Service, Eden, Texas, 1984, Assistant Well Driller

Project
Experience:

Litigation Support

- ***Surface-Water Rights, Texas*** – Served as a technical expert to assess surface-water dispute. As part of the investigation, surface-water flows in the disputed waterway were measured and losses due to evaporation and aquifer interaction were evaluated. Results of the field investigation helped set the stage for a pre-trial resolution.
- ***Ogallala Aquifer Groundwater Permit Hearings, Roberts County, Texas*** – Supported a legal team in their assessment of impacts from proposed groundwater permit applications to the Panhandle Groundwater Conservation District. A groundwater model was used to simulate the impact of pumping on surrounding properties and to evaluate the rate of water level decline with respect to District guidelines.
- ***Industrial Complex - Albuquerque, New Mexico*** – Supported the defendant's legal team in evaluating the plaintiff's expert opinions regarding source of contamination and extent of contamination for various organic contaminants. Assessed plaintiff's groundwater flow and transport model, which was used as the basis for many of the plaintiff's conclusions. Critiqued weaknesses of the three-dimensional flow and transport model and completed additional simulations using plaintiff's model to assess the sensitivity of model results to aquifer parameters (such as biodegradation and sorption). Visualization and animation techniques were utilized to summarize model results.
- ***Refinery Complex, Texas Gulf Coast*** – Led technical team to develop appropriate site conceptual model and a three-dimensional flow and transport model to statistically evaluate alleged ground-water contamination by petroleum hydrocarbons in a heterogeneous aquifer. State-of-the-art geostatistical and stochastic modeling tools were utilized to complete the analysis; visualization/animation techniques were used to effectively illustrate model results.
- ***Injection Well Facility, Texas*** – Evaluated hydrogeology and contaminant information obtained from previous site investigations to develop an appropriate conceptual model of ground-water flow at the site. Interviews of operators, aerial photography, flow and transport modeling, quantitative subsurface volumetric analysis, and visualization techniques were all used to reconstruct activities and events that were probable contaminant contributors. The results were used to apportion responsibility and remediation costs among potentially responsible parties.

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Project Experience: (continued)

- ***Manufacturing Facility, Canada*** – Worked with technical team to develop a three-dimensional flow and transport model to evaluate ground-water contaminant transport of chlorinated solvents in a complex system. Visualization and animation techniques were utilized to distill and present model results. Results were part of a successful strategy to negotiate a pre-trial settlement.
- ***Manufacturing Facility, Texas*** – Evaluated available site data (boring logs, water levels, contaminant concentrations, river levels, etc.) to develop an appropriate conceptual representation of flow and transport from the facility to downgradient properties. Results were part of a successful strategy to illustrate the weakness of the plaintiff's allegations during court proceedings.
- ***Landfill, Texas*** – Evaluated the potential for ground-water contamination from landfill leakage. Scoping-level evaluations indicated that potential plaintiffs were far enough downgradient that the potential for impact from the landfill was very low. The evaluation included assessment of natural attenuation mechanisms (biodegradation, dispersion, dilution, etc.) of PCE and TCE.
- ***Industrial Complex, Texas*** – Led in the development of a three-dimensional flow and transport model to evaluate ground-water contamination by chlorinated solvents that were disposed of over a 30-year period.

Water Resources, Hydrology, and Modeling

- ***Assessment of Brackish Ground Water for Desalination in Texas*** – Managed project for the Texas Water Development Board to assess the potential for desalinization of brackish ground water in Texas' major and minor aquifers. The study included evaluation of water-quality and geophysical data for over 30 aquifer systems throughout the state and development of hydrogeologic and water-quality maps that can be used to assess potential brackish water projects for planning purposes. The evaluation also included preliminary cost estimation formulas for source water production (wells and well fields) and engineering considerations for different aquifers.
- ***Igneous-Bolson Aquifer Ground-Water Availability Model, Texas*** – Served as project manager and primary modeler to develop a 3-layer MODFLOW model to simulate ground-water flow in the west Texas Bolson and Igneous aquifers. All model data was developed and evaluated within ArcGIS and was compatible/interchangeable with the modeling GUI. Model development and calibration included assimilation of historical pumping and water level data, as well as aquifer characteristics. Aquifer water levels and streamflow data were used to calibrate and verify the steady state and transient models. Predictive simulations, which incorporated 50-year demand projections and potential drought conditions, were used to assess aquifer impact and ground-water availability.

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Project
Experience:
(continued)

- ***Hydrologic Modeling of Edwards Aquifer Watershed*** – Served as project manager to develop hydrologic models (using HSPF) simulate nine watersheds that contribute recharge to the Edwards Aquifer. The models incorporated available meteorological, hydrological, and geological information to develop estimates of runoff and recharge in the basins for a 50-year period. Water Availability Model (WAM) information was utilized to assess impacts from diversions and flood retardation structures was incorporated. The models are useful for assessing proposed recharge management strategies such as brush control, recharge structures, and precipitation enhancement. In addition, the models can be extended to assess water availability and quality in the basins.
- ***Regional Water Planning – (Central, East, and West Texas)*** – Tasks of the projects included description and quantification of ground-water resources, evaluation of current and projected water supply and demand, identification of critical ground-water areas, development of water management strategies, development of a water supply plan, public interaction and presentations, and report preparation. Working with the RWPGs in these projects helped to identify regional ground-water concerns and strategies to meet future demand. Aquifers evaluated included the Carrizo-Wilcox, Gulf Coast, Edwards-Trinity (Plateau), Sparta, Queen City, Yegua, and Lipan.
- ***San Antonio River Authority, Lower Guadalupe Water Supply Project, South Central Texas*** – Assessed the conjunctive use of surface water and groundwater from the lower part of the river basin as a strategy for increasing water supplies in the upper part of the basin. Used Central Gulf Coast ground-water availability model (GAM) to help assess ground-water availability from the Gulf Coast aquifer in a five county area including all or parts of Goliad, Refugio, and Victoria Counties. Modeling was used to estimate the effects of variations in pumping rate from three potential wellfields for a 45-year period. Simulated drawdown was used to help assess potential mitigation and land subsidence issues.
- ***Lipan Aquifer Groundwater Availability Model, Texas*** – Collected and evaluated available hydrogeologic data from ground-water district and state databases. Developed a MODFLOW model to simulate groundwater availability from the upper alluvial aquifer and the lower Permian limestone aquifer. All model data was developed and evaluated within ArcGIS and was compatible/interchangeable with the modeling GUI. Aquifer water levels and streamflow data were used to calibrate and verify the steady state and transient models. The model incorporated stream-aquifer interaction as well as spatially and temporally varying recharge and pumping.
- ***Ground-Water Availability Evaluation of Trinity Aquifer, Bexar and Comal Counties, Texas*** – Developed a MODFLOW ground-water availability model to evaluate the viability of producing Trinity ground water in a portion of the aquifer greatly influenced by surface-water recharge. The model structure was based on site-specific borehole data, and calibrated to a multi-well long-term pump test and was consistent with the TWDB Trinity Aquifer GAM model within the modeled area. The model was used to assess affects of long-term pumping and multiple production scenarios.

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Project
Experience:
(continued)

- ***Ground-Water Availability Evaluation of Ogallala Aquifer, Andrews and Gaines Counties, Texas*** – Developed a MODFLOW ground-water availability model to predict the viability of producing large amounts of Ogallala ground water over a 25-year period from two proposed well fields for power generation cooling water. The regional model was calibrated and verified with "predevelopment" water levels and with water levels collected over a 50-year period. It accounted for past and future irrigation and municipal usage, incorporated heterogeneity in hydraulic properties, and paleo-channels that greatly influenced the ground-water availability.
- ***Evaluation of Ground-Water Availability for the Gulf Coast Aquifer, Texas*** – Utilized existing hydrogeologic evaluations, databases, and ground-water models in east Texas and the Coastal Bend area to develop availability estimates, sustainable yields, and long-term impacts from current and proposed ground-water usage.
- ***Update and Recalibration of Ground-Water Model for Reno, Nevada*** – Converted a complex, non-standard model to MODFLOW-96. The model implemented domestic and municipal pumping; distribution system leakage; recharge from mountain-fronts, precipitation, and irrigation; evapotranspiration; rivers and streams; and discharge from springs and man-made pits. The model will be used to complete wellhead protection assessment and evaluate long-term effects of multiple production scenarios. Data was developed within ArcView GIS and interchanged with ground-water model.
- ***Evaluation of Ground-Water Availability in the Carrizo-Wilcox Aquifer*** – Utilized existing MODFLOW ground-water flow model in northeast and central Texas to develop availability estimates and to determine the long-term impacts from projected ground-water demand. Evaluation helped identify potentially critical areas and aided in the development of a set of wells throughout the region to help assess future water-level changes.
- ***Lignite Mines, Texas*** – Performed numerous aquifer tests and analysis, well installations, ground-water sampling and monitoring. Developed datasets, parameter distributions, and ground-water models for mine dewatering and depressurization in central and east Texas lignite mines.

Hydrologic and Hydrogeologic Characterization

- ***Lonehorn Pipeline, Central Texas*** – Supported the permitting process for the 19-mile pipeline replacement that crossed the Edwards Aquifer recharge and contributing zones. Performed watershed delineation, statistical analysis of streamflow, rainfall-runoff analysis, surface-water flow and transport analysis and risk assessment, overland flow calculations, assessment of detention ponds, and rainfall intensity-duration-frequency analysis. Evaluated shallow geology in 19-mile trench to assess potential for karst recharge to the aquifer. Developed watershed parameters needed to estimate runoff and travel time estimates from the pipeline to surface waterways and karst recharge features, and identified emergency response sites along tributaries. Performed trench percolation tests in karst areas to assess the nature and extent of contamination caused by potential pipeline releases.
- ***Gas Storage and Transfer Station, Kansas*** – Part of a team that developed and implemented a sampling plan to evaluate the source of elevated chloride concentrations in the shallow aquifer system. The evaluation successfully

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Project
Experience:
(continued)

delineated naturally occurring chloride contamination from that portion of a plume that was caused by onsite brine storage ponds.

- ***Petroleum Refinery, Ohio*** – Key player on team to develop and implement a plan to evaluate ROST™, soil sampling, and partitioning interwell tracer tests as a means of effectively and economically characterizing site. Involved in design, field implementation, and analysis of all three techniques.
- ***Surface Lignite Mine, Rockdale, Texas*** – Developed and implemented an aquifer testing program to support dewatering evaluations. The fieldwork included well installation and development, as well as aquifer testing. Quantitative evaluation of aquifer test data was also completed.
- ***Chemical Waste Landfill, Sandia National Laboratories, Albuquerque, New Mexico*** – Aided in the development and implementation of a state-of-the-art vadose zone tracer test to characterize the quantity and location of dense nonaqueous phase liquids in the unsaturated zone below abandoned waste units.
- ***Rendering Plant, San Angelo, Texas*** – Performed field investigation to determine extent of contamination at a site contaminated with diesel fuel after years of surface spills. Investigation entailed collection of soil samples, installation of monitoring wells, well development, ground-water sampling, and hydraulic testing. Also included preparation of a remedial action plan.
- ***Uncompahgre River, Colorado*** – Analyses and interpretation of seasonal water quality data from an extensive mountain stream network feeding the river to delineate the source of and possible remedial strategies for heavy metal loading from abandoned mine portals, which was the cause of diminished local fish populations.
- ***Fly Ash Disposal Unit, Longview, Texas*** – Field coordination of hydraulic testing and surface resistivity survey to delineate hydraulic and geotechnical characteristics of a 3-million cubic yard fly ash disposal unit. The surveys were completed to evaluate the feasibility of mining through the area.
- ***Rare Earths Processing Facility, West Chicago, Illinois*** – Worked as a consultant to regulatory authorities to scrutinize proposed soil and ground-water reclamation proposals from the responsible party. This process entailed implementation of parametric and nonparametric statistical methods to characterize and verify existing contamination as well as proposed excavation plans. In addition, a complete statistical analysis was completed to determine background ground-water concentrations and applicable groundwater protection standards that satisfied multiple regulatory authorities and requirements.
- ***Comanche Peak Steam Electric Station, Glen Rose, Texas*** – Quarterly sampling and evaluation of ground-water data from Class I RCRA landfills. Also aided in the preparation of a work plan for clean closure of one landfill that was in direct hydraulic connection with the cooling lake; this plan was accepted and the landfill was later closed.

Ground-Water Modeling

- ***Kenai Peninsula, Alaska*** – Developed a three-dimensional ground-water flow model of a complex faulted glacial geological system below a petroleum refinery that was contaminated with light nonaqueous-phase liquids. The calibrated ground-water model was used to evaluate the effectiveness of various control and containment scenarios, including implementation of extraction/injection wells and sheet-pile walls. Estimated the total quantity of LNAPL in the aquifer based on the measured thickness in contaminated wells.

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Project Experience: (continued)

- ***Refinery Complex, Texas Gulf Coast*** – Led technical team to develop appropriate site conceptual model and a three-dimensional flow and transport model (2.1 million grid blocks) to statistically evaluate alleged ground-water contamination by petroleum hydrocarbons in a heterogeneous aquifer. State-of-the-art geostatistical and stochastic modeling tools were utilized to complete the analysis; visualization/animation techniques were used to effectively illustrate model results.
- ***Paris, France*** – Developed and complex three-dimensional regional ground-water flow and transport model to evaluate the movement of high-level radionuclide wastes from a proposed geologic repository in eastern France. The model incorporated near-surface karst regions as well as very deep units identified as potential repository zones. An adjoint sensitivity analysis was used to evaluate sensitivity of contaminant travel times to receptor environments based on uncertainty in the physical properties.
- ***Columbus Air Force Base, Mississippi*** – Calibrated and verified a two-dimensional transient flow and transport model (Bioplume II) to evaluate natural attenuation of dissolved phase jet fuel components (benzene, dichlorobenzene, naphthalene, p-xylene) and tritium in a shallow alluvial aquifer. Site characterization data and historical plume monitoring data was used to develop a reliable site model to predict down gradient concentrations at the site. Aerobic and anaerobic biodegradation as well as nondestructive natural attenuation mechanisms were incorporated to evaluate the fate of the plume.
- ***A/M Area Disposal Sites, Savannah River Site, South Carolina*** – Developed a three-dimensional transient model to evaluate the potential movement of dissolved phase solvents (TCE, PCE, TCA, etc) in the saturated zone in the forty years since disposal started. This model was used to evaluate the effectiveness of the current pump-and-treat recovery system and evaluate future movement of the dissolved phase plumes.
- ***F&H Area, Savannah River Site, South Carolina*** – Managed the development of numerical models to evaluate capture and containment effectiveness. Developed appropriate monitoring strategy to verify hydraulic containment, developed a strategy for rehabilitating injection wells, and aided in developing a geochemical plan for pump-and-treat containment and recirculation system.
- ***DOE WIPP Facility, Carlsbad, New Mexico*** – Applied the SWIFT-II flow and transport code to evaluate the effectiveness of the proposed upper-shaft short-term seal design. Applied a unique and efficient approach to incorporate the cylindrical system of seal components into a two-dimensional model and implemented a new linear boundary condition to mimic flow from the lower boundary. The model was used to identify those components that were most critical to preventing fluid flow from the upper-shaft region to the repository level.
- ***Aluminum Processing Facility, Missouri*** – Used site characterization data to conceptualize and develop a coupled soil and ground-water model to evaluate the fate and transport of a PCB compound. Model evaluations included estimating ground-water contamination downgradient from the site in an aquifer discharging

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Project
Experience:
(continued)

to a major river. Developed parameters to estimate risk to human health and the environment at the river due to the PCB release.

- ***Sanitary Landfill, Savannah River Site, South Carolina*** – Developed an areal flow model and a vertical cross-section contaminant transport model to support risk assessment calculations and support an alternative concentration limit (ACL) demonstration for the facility. The areal flow model was used to evaluate the effectiveness of capping in decrease point-of-compliance (POC) concentrations and the transport model was used to estimate POC and point-of-exposure (POE) concentrations.
- ***Hazardous Waste Disposal Facility, Kern County, California*** – Applied a variably-saturated flow model (UNSAT2) to evaluate and recommend the proper distance between neutron probe access tubes that were used to monitor leakage from the waste management units to the extensive vadose zone below the facility.
- ***Deep Well Injection Facility, Southeast Texas*** – Developed a SWIFT-II transport model to demonstrate no migration under EPA regulations.
- ***Bunker Hill Superfund Site, Smeltonville Flats Area, Idaho*** – Using MODFLOW, developed a saturated ground-water flow model to evaluate/design fluid residence times and travel paths through constructed wetlands. The ground water was contaminated with heavy metals and the constructed wetlands were designed to maintain a reducing environment for metals precipitation. The USGS code MODPATH was used to perform particle tracking through the wetlands area.
- ***DOE WIPP Facility, Carlsbad, New Mexico*** – Applied the SWIFT-II flow and transport model to investigate the transient pressure response of slanted well bores with the very low conductivity halite zones of the Salado Formation. This evaluation was performed to determine the effects of well bore slant on the results of permeability testing interpretations.

Modeling/Remediation

- ***Kenai Peninsula, Alaska*** – Developed a three-dimensional ground-water flow model of a complex faulted glacial geological system below a petroleum refinery that was contaminated with light nonaqueous-phase liquids. The calibrated ground-water model was used to evaluate the effectiveness of various control and containment scenarios, including implementation of extraction/injection wells and sheet-pile walls. Estimated the total quantity of LNAPL in the aquifer based on the measured thickness in contaminated wells.
- ***Lead Smelting and Battery Manufacturing Facility, Columbus, Georgia*** – Used SWIFT-II to develop an flow and transport model for the site in order to design an effective/efficient ground-water extraction system for a dissolved phase solvent plume.
- ***A/M Area Disposal Sites, Savannah River Site, South Carolina*** – Developed a three-dimensional transient model to evaluate the potential movement of dissolved phase solvents (TCE, PCE, TCA, etc) in the saturated zone in the 40 years since disposal started. This model was used to evaluate the effectiveness of the current pump-and-treat recovery system and evaluate future movement of the dissolved

James A. Beach

phase plumes.

Project
Experience:
(continued)

- ***Mine Disposal Facility, Minnesota*** – Developed a numerical flow model using MODFLOW to determine the effectiveness of slurry walls or sheet pile to divert ground-water flow around a semi-wetland area that contained waste disposal units. The model was also used to evaluate the effectiveness of capping the waste disposal units to minimize leachate production.

Environmental and Regulatory Oversight/Analysis

- ***Illinois Department of Nuclear Safety, Springfield, Illinois*** – Assisted in the preparation of environmental analyses for each decommissioning phase of a closed thorium and rare earths facility for the Illinois Department of Nuclear Safety. Each environmental assessment included: (1) an assessment of the radiological and nonradiological impacts to the public health from the activities proposed by the applicant; and (2) an assessment of impacts on any waterway and ground water resulting from previous activities and activities proposed by the applicant. The assessment also included the consideration of remedial alternatives proposed by the applicant and consideration of the long-term impacts of the decontamination and reclamation activities proposed by the applicant. The analysis addressed all aspects of ground-water fate and transport of hazardous and radioactive constituents found in elevated concentrations at the site. The contaminants in the soils and in the ground water at the site include inorganics, metals, and radioactive constituents. Review includes determining the adequacy of the site soil and ground-water remediation plans. Team responsibilities included: regulatory review, representation of the IDNS in meetings with stakeholders, the licensee, and the attorney general's office, technical review of decommissioning documents, development of a ground-water compliance framework, development of ground-water protection standards, geochemical and flow modeling, preparation of environmental analyses, and review of the licensee's ground-water submittals.
- ***Gas Storage and Transfer Station, Kansas*** – Designed a strategic technical approach for developing a monitored natural attenuation (MNA) risk-based methodology for an operating facility.
- ***Longhorn Pipeline, Texas*** – As part of the permitting process, worked with the U. S. Geological Survey, U. S. Fish and Wildlife Service, Office of Pipeline Safety and other regulatory entities to develop technical documents required to complete the permitting process.

Field
Experience:

Mr. Beach's field experience includes the following:

- Streamflow measurements
- Surface-water sampling
- Ground-water sampling
- Pump and slug tests
- Well test analysis

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- Field Experience: (continued)
- Ground-water monitoring
 - Water-quality analysis
 - Field instrumentation
 - Drilling and geologic logging
 - Well installation and development
 - Well design

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Exhibit E

Political Subdivision Designation

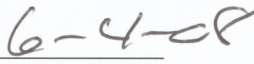
Political Subdivision Designation

The City of Nacogdoches was designated as the Political Subdivision by way of Resolution to apply for and receive state funds on the behalf of the ETRWPG (RWPG "I")

Attached is the Resolution from the ETRWPG meeting on June 4, 2008.

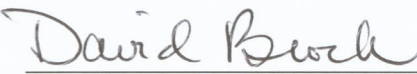


Kelley Holcomb
Chairman



Date

Attest:



David Brock
Secretary



Date