



Control Number: 45870



Item Number: 55

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SOAH DOCKET NO. 473-16-4619.WS

PUC DOCKET NO. 45870

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COMPLAINT OF KER-SEVA LTD.
AGAINST THE CITY OF FRISCO

§
§

BEFORE THE STATE OFFICE OF
ADMINISTRATIVE HEARINGS

**RESPONDENT'S FIRST SUPPLEMENTAL RESPONSE TO ORDER NO. 3 AND
RULE 194.2 EXPERT DISCLOSURES**

TO: SERVICE LIST

COMES NOW, City of Frisco ("City"), and file this their Supplemental Rule 194.2 Expert Disclosures pursuant to Tex. R. Civ. P. 194.2(f) and Order No. 3 in this docket. Discovery is ongoing, and Respondents reserve the right to supplement and amend the responses contained herein.

Request 194.2(f): For any testifying expert: (4) if the expert is retained by, employed by, or otherwise subject to the control of the responding party: (B) the expert's current resume and bibliography;

Response:

Mr. John Lettelleir – See Exhibit A.

Ms. Lori Chapin, P.E. – See Exhibit B

Jeff Payne, P.E. – See Exhibit C

Jessica Brown – See Exhibit D

Dr. Victoria Harkins, P.E., Ph.D., D. WRE – See Exhibit E

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Respectfully submitted,

Russell & Rodriguez, L.L.P.

1633 Williams Drive, Building 2, Suite 200
Georgetown, Texas 78628
(512) 930-1317
(866) 929-1641 (Fax)

Abernathy Roeder Boyd & Hullett, P.C.

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1700 Redbud Blvd., Suite 300
McKinney, Texas 75069
(214) 544-4000
(214) 544-4040 (Fax)

/s/ Arturo D. Rodríguez, Jr.

ARTURO D. RODRIGUEZ, JR.
State Bar No. 00791551

ATTORNEYS FOR THE CITY OF FRISCO

CERTIFICATE OF SERVICE

I hereby certify that on this 26th day of October, 2016, a true and correct copy of the foregoing document has been sent via electronic mail, facsimile, first class mail, or hand-delivered to the following counsel of record:

Sam Chang
Public Utility Commission of Texas
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/s/ Arturo D. Rodriguez, Jr.
ARTURO D. RODRIGUEZ, JR.

John Lettelleir, FAICP
Director of Development Services
Development Services
6101 Frisco Square Blvd., 3rd Floor
Frisco, Texas 75034
Phone: 972-292-5310
Email: jlettelleir@friscotexas.gov

Work Experience

City of Frisco, Texas

Director of Development Services: July 2002 – Present

Job responsibilities include:

Oversight of budgets and operations of several divisions including:

- Building Inspections
- Code Enforcement and Animal Control
- Health & Food Safety
- Planning

Liaison to the Planning & Zoning Commission

Oversight of staff reports for the Board of Adjustment/Construction Board of Appeals, Planning & Zoning Commission, and the City Council.

Lead process of development and adoption of ordinances.

Lead process for planned development ordinances for large mixed use projects.

Oversight of master plans, and development review of zoning and development cases.

Prepare requests for proposals and requests for qualifications for special projects such as updates to the City's Comprehensive Plan and Neighborhood Design Strategy.

Interview and negotiate with consultants for services and pricing for City projects.

Lead negotiations involving developers, citizens and special interest groups on zoning cases and the updates to the Comprehensive Plan.

Director of Planning: September 1998 to July 2002

Job responsibilities included:

Oversight of the budget and operations for the planning department

Liaison to the Planning & Zoning Commission

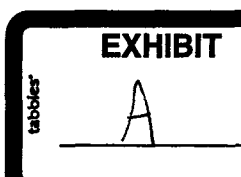
Oversight of staff reports for the Board of Adjustment/Construction Board of Appeals, Planning & Zoning Commission, and the City Council.

Lead process of development and adoption of multiple ordinances.

Oversight of master plans, and the development review of zoning and development cases.

Prepare requests for proposals and requests for qualifications for special projects such as updates to the City's Comprehensive Plan 2000, Preston Road Overlay District, Dallas North Tollway Overlay District, Development Standards for Retail Developments, Thoroughfare Standards Ordinance, Traffic Impact Analysis Ordinance.

Interview and negotiate with consultants for services and pricing for City projects.



Lead negotiations involving developers, citizens and special interest groups on zoning cases and the updating of the Comprehensive Plan 2000.

City of Plano, Texas (1988 – 1998)

Department of Development Services

Senior Planner: 1993 to 1998

Job responsibilities included:

- Review of development and zoning cases and presented cases to the Planning & Zoning Commission.
- Process annexation cases, and complex zoning and development cases.
- Supervised the Planning Technicians.

Planner: March 1988 to 1993

Job responsibilities included:

- Review of development and zoning cases and presented cases to the Planning & Zoning Commission.
- Conducted research for special projects and ordinance amendments.

City of Grand Prairie, Texas (1986 - 1988)

Department of Community Development

Planner: October 1986 to March 1988

Job responsibilities included:

- Review of development and zoning cases and presented cases to the Planning & Zoning Commission.
- Preparation of exhibits for development and zoning cases.

Professional Organizations

- College of Fellows of American Institute of Certified Planners
- American Planning Association
- Urban Land Institute
- Congress of New Urbanism
- Greater Dallas Planning Council
- International Conference of Shopping Centers

Boards

- Greater Dallas Planning Council Board of Directors, current
- Texas Municipal League Board of Directors (2009 – 2013)
- Texas American Planning Association Chapter Executive Committee (2009 – 2013)
- American Planning Association, North Central Texas Chapter Director Elect and Director, 2004/2005 and 2005/2006 respectively.

Educational background

University of Texas at Arlington 1986
Masters of City and Regional Planning

Indiana State University 1982
B.S. Urban Regional Studies, Minor in Geology

Honors, awards, and recognition

- Texas American Planning Association Chapter Comprehensive Plan Award, 2000
- Collin County, Texas 21 Leaders for the 21st Century 2004
- Texas American Planning Association Chapter Current Planning Award for Interactive Zoning/Development Guide, 2004.
- North Central Texas Council of Governments Celebrating Leadership in Development Excellence (CLIDE) Public Planning and Policy Award for Downtown Architectural Design Standards and Green Building Program, 2005
- Greater Dallas Planning Council Urban Design Built Award for Frisco Public Art, 2005
- Outstanding Small Government Organization Award, Air Quality 2006
- Texas American Planning Association Chapter Comprehensive Plan Award, 2006
- Member of Conference Planning Committee for the Texas APA State Conference in Addison, Texas, 2007
- Texas American Planning Association Chapter Current Planning Award for updating the Zoning Ordinance, 2011
- Texas American Planning Association Chapter "Certificate of Achievement for Planning Excellence" 2007, 2011, 2012, 2013, and 2016
- American Society of Landscape Architects, Texas Chapter, Merit Award for the City's Landscape Ordinance, 2012
- Member of Conference Planning Committee for the Texas APA State Conference for Frisco, Texas, 2014
- Accepted into the College of Fellows of the American Institute of Certified Planners 2016.

Public Service

- Arts of Collin County Site Selection Committee for the proposed performance hall, 2005
- Frisco Independent School District Bond Committee, 2006
- Parks, Recreation & Open Space Master Plan Steering Committee, 2006
- Master of City and Regional Planning Advisory Board at the University of Texas at Arlington, 2008 to present
- Speaker on numerous occasions at the Texas Chapter of the American Planning Annual Conferences, Texas Institute of Transportation Engineers, Building Professional Institute, Focus North Texas Conferences, Collin County Realtors Association Texas, and similar organizations
- Testified at the Senate Committee on Intergovernmental Relations regarding affordable housing on May 3, 2012

- Forward Frisco Steering Committee member on the Frisco Economic Development Corporation's Comprehensive Economic Development Strategy Plan, 2016.

Planning Accomplishments

- Leading and building the Development Services Department in Frisco, Texas to address the rapid growth from a small town of 23,000 in 1998 to a thriving city of 158,180 in October 2016. The US Census Bureau named Frisco the fastest growing city in the country in the category over 100,000 in 2010. Money Magazine rated Frisco as one the best places to live in 2008. Forbes rated Frisco as one of the best places to relocate in 2009.
- Revamped the City's development review process across various departments and created a reliable filing system.
- Addressed preservation of major creeks as city amenities, light pollution, and the oversupply of multifamily zoning that was the result of over-zoning in the past.
- Updated the City's Comprehensive Plan three times and developed an overlay district for Preston Road and the Dallas North Tollway. The Texas American Planning Association Chapter awarded the Comprehensive Plan Award to the City of Frisco in 2000, and 2006. The majority of the projects listed in the 2000 and 2006 plans were implemented. Just started implementation of the 2015 plan.
- Streamlined development process by amending the Zoning and Subdivision Ordinances to allow staff discretion in consideration of compliant development alternatives with an appeal process.
- Created Alternative Compliance standards to allow mixed use development where shown as mixed use on the Future Land Use Plan without a zoning change.
- Implemented Cluster Development Zoning allowing smaller lots than permitted by zoning, while maintaining density by including/preserving open space or a variety of lot sizes.
- Updated the Landscape Ordinance to implement water conservation measures, including requiring Evapotranspiration controllers for new homes.
- Oversaw the implementation of the first mandatory Green Building Program for new homes in the country.
- Created committees to develop plans and work on projects that required expertise from multiple stakeholders.
- Developed two new zoning districts for the older section of town, and oversaw the creation of architectural design standards that reflect early 20th century style architecture to insure that new buildings fit into the established architectural context.
- Developed Healthy Street ordinance for neighborhoods.
- Developed ordinances to improve the public realm in neighborhoods.

- Oversaw the creation of 5 Star Neighborhood Program for training HOA board members.
- Implemented system to track vital signs to monitor neighborhood health.
- Developed annual survey and conducted focus groups to gauge Department's effectiveness and maintain dialogue with the development community.
- Implemented a moratorium on the northeast quadrant of the City of Frisco to address the oversupply of zoning that resulted where the City did not have a professional planning staff to evaluate earlier zoning decisions. Worked with the City Manager and the City Attorney to negotiate development agreements with property owners to reduce the concentration of multifamily zoning in the moratorium area.
- Implemented City Council desire to reduce the oversupply of multifamily zoning that was created when the City did not have an experience staff. This was accomplished by amending the Zoning Ordinance to allow single family by right in multifamily zoned areas; worked with landowners to seek a collaborative effort to rezone some of these properties.

Lori Chapin

3333 Harry Hines Blvd, Apt. 4104 • Dallas, TX 75201
lchapin@friscotexas.gov • 972-292-5431

Education

THE OHIO STATE UNIVERSITY, Columbus, Ohio
Bachelor of Science in Civil Engineering, March 1987

Licenses

Ohio State Board of Engineers, Professional Engineer, October 1991
Texas State Board of Registration, Professional Engineer, April 1995

Experience

CITY OF FRISCO, Frisco, Texas - July 2007 to Present

Engineering Division Manager

Provide technical assistance to consultants and staff members for capital improvement, development, construction and drainage projects. Manage staff in the design, review, and construction inspection of private development projects from initiation to final acceptance. Administers the professional procurement procedures for selection of consultants and contractors for design and construction of capital projects. Coordinates and manages updates to the capital improvement program. Negotiates and consults with developers, consultants and contractors on a variety of issues and mediates differences. Administers the flood insurance program for the city and enforces flood plain regulations. Manages the preparation, implementation and interpretation of the City engineering design standards, ordinances, procedures, and development agreements. Provides recommendations related to the annual operating and capital budgets. Administers annual and capital budget for division and provides technical assistance and advice regarding revenue, expenditures, appropriations and supplemental requests. Manages overall coordination and fiscal management for project funding including bond funds, certificate of obligation, storm water utility, escrows, and outside agency funds. Monitors expenditures of bonds and utility accounts to ensure spending is consistent with City policy.

Senior Civil Engineer

Managed development staff in the review of plats, site plans, zoning, commercial and residential development plans for paving, drainage, water, sewer and erosion control requirements. Managed various design and construction projects for roads, water, sewer and drainage Capital projects. Prepared agenda items for City Council review and approval. Provided direction to staff members and inspectors regarding construction issues for residential, commercial and capital projects. Assisted with budget preparation. Developed the Storm Water Utility to fund storm water activities including costs related to compliance, maintenance and capital projects. Managed hydrologic and hydraulic (H&H) projects, developed and implemented the Phase II MS4 Program and floodplain.

HUITT-ZOLLARS, INC., Dallas, Texas - September 2005 to July 2007

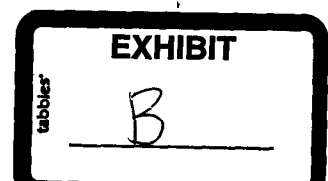
Water Resources Project Manager

Managed hydrologic and hydraulic (H&H) projects for public and private clients (including SeaTac Airport in Seattle, WA with stringent storm water discharge requirements). Prepared initial and final project construction costs, bid documents and specifications. Prepared proposals, scopes, budgets, and contracts for H&H design projects. Analyzed property to determine developable land with regard to floodplain reclamation and the impact to surrounding property. Evaluated NRCS dams, performed dam breach analysis and designed modifications for state compliance. Designed detention facilities to minimize the effect and impact of new development to downstream property. Prepared LOMR and CLOMR documents for submittal to FEMA.

HDR ENGINEERING, INC., Fort Worth, Texas - November 2004 to August 2005

Senior Project Manager

Managed municipal and TXDOT paving and drainage and railroad alignment projects. Prepared alignments studies and reports for railroad projects. Provided quality control/quality assurance for various paving and drainage projects. Marketed municipal clients and prepared proposals for select cities within the DFW area.



CITY OF ARLINGTON, Arlington, Texas - January 2001 to November 2004

Project Engineer/Floodplain Administrator

Reviewed plats and zoning cases for all new development and re-development. Reviewed development plans for commercial and residential sites for paving, drainage, and transportation issues. Assisted inspectors with construction issues. Addressed customer service issues including drainage, erosion and flooding complaints, and floodplain/flood insurance inquiries. Administered submittals to state and federal agencies including the Corps of Engineers, North Central Texas Council of Governments (NCTCOG), National Flood Insurance Program (NFIP) and Federal Emergency Management Agency (FEMA) and prepared annual reports. Assisted with drainage project ranking. Prepared consultant contracts for design projects. Administered various design and construction contracts for Capital projects including reviewing/ reconciling monthly estimates/invoices. Prepared bid packages for construction projects including specifications. Prepared informal and formal staff reports for City Council review and approval

AMILIO'S INCORPORATED, Arlington, Texas – September 1998 to January 2001

Owner/Operator

Owned and operated a restaurant in Arlington.

CITY OF ARLINGTON, Arlington, Texas – April 1995 to September 1998

Solid Waste Engineer/Manager

Managed 20 employees and the City Landfill Operations including on-site concrete/brush recycling operations. Ensured site compliance with local, state and federal regulatory agencies and maintained environmental standards. Administered, heavy equipment contract, various design and construction contracts and facilitated pre-construction and bid meetings. Prepared annual budget including staffing requirements and new programs. Responsible for direct expenditures for \$6.5 million budget. Prepared quarterly and annual reports and reports to Council. Coordinated contract hauler issues and addressed customer complaints.

Civil Engineer

Administered budgets for design and construction projects including reconciling monthly estimates. Managed paving and drainage construction projects (state and city funded). Prepared bid documents and facilitated pre-construction and bid meetings. Reviewed consultant plans in accordance with design standards. Coordinated project design and review with other city departments including property management, transportation and water utilities. Designed in-house paving and drainage projects. Negotiated improvements with citizens during right of way and easement acquisition and construction.

HDR ENGINEERING, INC, Dallas, Texas – July 1993 to April 1995

Project Engineer

Prepared permit documentation for new/existing landfills in accordance with state regulations. Designed landfills including facility layouts, grading plans, drainage facilities, and leachate collections systems. Prepared Solid Waste Management Plans in accordance with State Regulations for various cities. Attended/facilitated meetings with clients and regulatory agencies. Reviewed regulatory comments and prepared written response on behalf of clients.

MALCOLM PIRNIE, INC, Columbus, Ohio – April 1987 to June 1993

Project Engineer

Prepared an integrated solid waste management plan for Franklin County (Columbus), Ohio. Designed landfills including facility layouts, grading plans and drainage facilities. Prepared documentation for landfill permitting in accordance with state regulations. Managed site regulatory operational issues for various landfills. Performed construction administration for wastewater treatment plants including cost estimates, change requests, and shop drawing approvals.



Jeff Payne, P.E.

**Water/Wastewater Utilities and Transmission Group Manager
| Vice President/Principal**

Jeff Payne is an FNI Vice President/Principal and a Senior Transmission/Utilities Project Manager. He has successfully designed and managed water transmission and wastewater conveyance pipeline projects ranging from 30 inches to 108 inches in diameter, various pump station projects ranging from 8 MGD to 125 MGD, and various water and wastewater utility projects. His projects range from urban to rural environments and include coordination with the related department of transportation, railroads and franchise utilities.



A SAMPLING OF PROJECT EXPERIENCE

- **Rolater Road 48-inch Water Line | City of Frisco | Project Manager |** Preliminary design, construction contract documents and limited construction phase services for 13,900 LF of 48-inch water line. The pipeline and associated appurtenances extended from the Frisco No. 1 pump station to the intersection of Coit Road and the future Rolater Road.
- **FM 3537 Water Line Improvements | City of Frisco |** Design of 16,000 LF of 20-inch water line and associated connections to the City's system. The project removed an existing pump station from the City's system, relocated an existing 20-inch transmission line, and converted it to a distribution line. The project was done as part of a TxDOT relocation project and included coordination with TxDOT and preparation of a reimbursement package. The total construction cost for the project was \$3.6 million.
- **FM 423 Utility Relocations | City of Frisco | Project Manager |** Design services and limited construction phase services to relocate various sections of waterlines that are in conflict with proposed TxDOT facilities that will be construction as part of the FM 423 widening project.
- **Lebanon Road Lift Station, Force Main and Gravity Sewer | City of Frisco | Principal-in-Charge |** Preliminary and final design of the proposed Lebanon Road Lift Station, Force Main and upstream gravity improvements. These facilities will serve primarily The Gate and Wade Park Developments, which consist of single and multi-family residential, mixed-use, office, commercial and medical. These developments are associated with Frisco's \$5-Billion Mile. The estimated capacity of the lift station is 8.5 MGD.
- **Panther Creek Reuse Water Line | City of Frisco | Principal-in-Charge |** Analysis of existing reuse water supply system and how the Panther Creek Reuse Pump Station could be connected to the existing Stewart Creek Reuse Pump Station System.
- **Lower Bois d'Arc Creek Reservoir Program | North Texas Municipal Water District | Program Manager |** Program management, permitting and design services for the \$1.02-billion Lower Bois d'Arc Creek Reservoir Program, which includes an earthen dam, spillway and discharge structures; a 236-MGD water intake structure; and 31.5-mile transmission system. When built, it will be the largest new lake constructed in Texas since 1991.
- **Lake Texoma-to-Wylie Water Supply System | North Texas Municipal Water District | Program Manager |** Fast-track design of the \$273-million water transmission connection between Lake Texoma and the Wylie Water Treatment Plant. Includes 240-MG earthen balancing reservoir, approximately 48 miles of 84-inch and 96-inch diameter pipe, and blending facilities to connect to four existing water treatment plants.

Experience

19 years

Education

M.S., Engineering and
Environmental Management,
U.S. Air Force Institute of
Technology

B.S., Civil Engineering, U.S. Air
Force Academy

Registrations

Professional Engineer, Texas
#90732

EXHIBIT

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Jessica Brown, P.E.

Water/Wastewater Master Planning Manager | Vice President/Principal

Jessica Brown is an FNI Vice President/Principal, a Water/Wastewater Master Planning Manager, and one of FNI's most experienced planning and modeling professionals. She has served as Project Manager/Engineer for 35 water and wastewater system studies, master plans, impact fee studies and updates for small and large cities. Her specialization includes the calibration and use of system models for master planning and CIP development and the integration of GIS into water and wastewater models.

Jessica's practical master planning and system study approach is strengthened by her hands-on design experience in both collection and distribution systems. Jessica has been an active member of the American Water Works Association and the Water Environment Federation, and currently serves on the WEAT Collection Systems Knowledge Committee, where she assists with developing technical workshops, selecting presentations for the Texas Water Conference, and the review of articles for the *Texas WET* magazine.

WATER MASTER PLANNING EXPERIENCE

Town of Addison	City of Lucas
City of Arlington	City of Mansfield
City of Burleson	City of McAllen
Benbrook Water Authority	City of Midlothian
City of Cedar Hill	City of North Richland Hills
City of College Station	North Texas Municipal Water District
City of Coppel	City of Palestine
Colorado River Municipal Water District	Town of Prosper
City of Fort Worth	City of Richland Hills
City of Frisco	City of Rowlett
City of Grand Prairie	City of San Angelo
City of Huntsville	City of Taylor
City of Keller	Trinity River Authority
City of Kennedale	City of Vernon
City of Kerrville	City of Waco
City of Killeen	City of Weatherford
City of Lubbock	City of Wichita Falls

WASTEWATER MASTER PLANNING EXPERIENCE

City of Arlington	City of Midlothian
City of Austin	City of North Richland Hills
City of Burleson	City of Palestine
City of Cedar Hill	City of Pottsboro
City of Cleburne	Town of Prosper
City of College Station	City of San Angelo
City of Corinth	City of Southlake
City of Fort Worth	City of Taylor
City of Frisco	City of Terrell
City of Garland	City of Vernon
City of Houston	Benbrook Water Authority
City of Huntsville	DFW International Airport
City of Irving	McAllen Public Utility
City of Keller	San Antonio Water System
City of Killeen	Trinity River Authority (Mountain View System)
City of Mansfield	



Experience

19 years

Education

B.S., Civil Engineering, Texas A&M University

Registrations

Professional Engineer, Texas #90098

EXHIBIT

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D

Victoria Richards Harkins, Ph.D., P.E., President

Harkins Engineering, Inc., 3300 Lost Oasis Hollow, Austin, Texas 78739



Education:

- B.A. Biochemistry, Texas Tech University, 1992
- M.S. Civil Engineering, Texas Tech University, 1995
- Ph.D. Civil Engineering, Texas Tech University, 1998

Professional/Technical Affiliations:

- Texas State Board of Professional Engineers – Professional Engineer No. 87733
- Oklahoma State Board of Professional Engineers – Professional Engineer No. 20957
- Member of American Society of Engineers
- Diplomate Water Resources Engineer –American Academy of Water Resources Engineers
- Texas Tech University Civil Engineering Academy Member
- Texas Tech Civil and Environmental Engineering Advisory Council

Awards/Recognitions:

- Texas Tech University Distinguished Engineer, 2014
- American Society of Civil Engineers Texas Outstanding Civil Engineering Award, 2012
- American Council of Engineering Companies Texas Gold Medal/Eminent Conceptor, 2011
- American Council of Engineering Companies National Recognition Award, 2011

Fields of Experience:

Dr. Victoria Richards Harkins is currently a private engineering consultant in Austin, Texas. Dr. Harkins provides project management and engineering services for small, private, and multi-million dollar projects which included water and wastewater engineering, environmental engineering including water quality and soil contamination and remediation, and general civil engineering projects. Dr. Harkins has several years of experience in environmental site investigations, regulatory compliance, and environmental engineering including soil, subsurface soil, surface water, groundwater and solid and hazardous waste.

Publications:

Harkins, V., Kullbreth, M. (2011) "DEL Tank Uses Dewatering System to Clarify and Restore Texas Hill Country Landmark" International Dredging Review.

Harkins, V. (2008) TCEQ FY09 Annual Water Quality, CAFO, Pretreatment, and Storm Water Training, Assessment of Aquatic Habitat Damage due to Unauthorized Storm Water Discharges, Clear Lake, Texas.

Harkins, V. (2008) "Why Conduct a Water and Wastewater Rate Study" Presentation for Texas Rural Water Association, Tyler, Texas.

Harkins, V. (2002) "Retail Public Water and Sewer Utility Service in Texas" Proceedings of the Fall Meeting of the Texas Section of ASCE, Waco, Texas.

Harkins, V. (2002) "Water and Sewer Utilities 101" Proceedings of the Texas Environmental Trade Fair, Austin, Texas

Harkins, V., Mollhagen, T., Rainwater, K. and Heintz, C. (1999) "Aerobic Biodegradation of High Explosives, Phase I - HMX" Bioremediation Journal. 3(4):285-290.

EXHIBIT

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Harkins, V., Mollhagen, T., Rainwater, K. and Heintz, C. (1998) "Aerobic Biodegradation of Octahydro-1,3,5,7-tetranitro-1,3,5,7 tetrazocine (HMX)" Proceedings of the Spring Meeting of the Texas Section of ASCE, South Padre Island, Texas.

Harkins, V., Mollhagen, T., Rainwater, K. and Heintz, C. (1998) "Aerobic Biodegradation of Octahydro-1,3,5,7-tetranitro-1,3,5,7 tetrazocine (HMX)" Proceedings of the Remediation of Chlorinated or Recalcitrant Hydrocarbons Battelle Conference.

Expert Witness Testimony:

- In the matter of the City of Pearland, Texas (SOAH Docket Nos. 582-98-0994 and 582-98-1977)
- In the matter of AquaSource Development Company regarding Briar Creek Subdivision in Travis County (SOAH Docket No. 98-1479-UCR)
- In the matter of Hays v. Frankford Properties in the 72nd District court in Lubbock, Texas
- In the matter of Creedmoor-Maha Water Supply Corporation (SOAH Docket No. 582-00-0546)
- In the matter of the City of Fort Worth (SOAH Docket No. 582-00-1092)
- In the matter of Woodcreek Utilities, inc. (SOAH Docket No. 582-00-1469)
- In the matter of City of Crandall (SOAH Docket No. 582-00-1479)
- In the matter of Mustang Water Supply Corporation and the Town of Little Elm (SOAH Docket No. 582-01-1618)
- In the matter of East Medina Special Utility District (SOAH DOCKET NO. 582-04-1012)
- In the matter of the City of Prosper (SOAH DOCKET NO. 582-03-1994)
- In the matter of AquaTexas, Inc. for a water and wastewater tariff change and rate increase (SOAH DOCKET NOS. 582-05-2770, 582-05-2771, 582-05-3745, 582-05-4181, 582-05-4182, 582-05-4184)
- In the matter of Cease And Desist Petition Of Wax Mid, Inc. Certificate Of Convenience And Necessity (CCN) No 11966 Against The City Of Midlothian, CCN No. 11706 In Ellis County, Texas (SOAH DOCKET NO. 582-06-1029, TCEQ DOCKET NO. 2006-0487-UCR).
- In the matter of the City of Georgetown, Certificate of Convenience And Necessity No. 12369 in Bell, Burnett and Williamson Counties, Texas (SOAH DOCKET NO. 582-14-3380, TCEQ DOCKET NO. 2014-0437-UCR).

Selected Water and Sewer Utility Experience:

Engineer V, Texas Commission on Environmental Quality (TCEQ), Austin, Texas. Dr. Harkins was a senior engineer for the Water Supply Division of the TCEQ for over four years. Dr. Harkins' team processed over 300 certification applications a year and over 75 ratemaking applications per year. Dr. Harkins served as a legislative resource and provided testimony for a variety of legislators as well as numerous committee hearings at the Capitol.

TCEQ, Austin, Texas: Dr. Harkins reviewed and approved/disapproved over 300 design plans and specifications submitted by public water supply systems in the State of Texas. The review consisted of technical design, capacity calculations and compliance for distribution water lines, ground storage tanks, elevated storage tanks, hydropneumatic tanks, and service pumps and public drinking water wells with well pump capacities. The review was made to ensure compliance with the requirements of TCEQ's Chapter 290 Rules and Regulations for Public Drinking Water Systems and the Texas Health and Safety Code.

Expert Witness, Wholesale Rate Appeal, City of Gladewater, Texas. Dr. Harkins provided expert testimony related to a wholesale water and wastewater rate appeal. As a governmental entity, a rate may



be changed without state approval. The water and/or wastewater recipient may file an appeal with the State for review. At such time, evidence must be provided that the rate is fair and justifiable. Dr. Harkins assisted in settlement negotiations through SOAH arbitration.

Outside City Customer Appeal, Parker County, Texas. Dr. Harkins was retained by the Parker County Communities Coalition to provide professional engineering services as related to a rate increase made by the City of Willow Park. Dr. Harkins will provide a professional opinion on the reasonableness of the rates set for outside city customers as well as an opinion of the expenses used to determine the rate established.

Expert Witness, Certificate of Convenience and Necessity (CCN), City of Royse City, Texas. Dr. Harkins was retained to assist the City of Royse City in a contested hearing related to the utility's ability to provide continuous and adequate service and amend its current CCN for water service and to obtain a sewer CCN.

Expert Witness, Certificate of Convenience and Necessity, City of Prosper, Texas. Dr. Harkins was retained to provide expert witness testimony for the City of Prosper related to the City of Prosper's CCN. Dr. Harkins has testified as to the City of Prosper's ability to serve as well as address each of the required criteria to amend a CCN.

Expert Witness, Certificate of Convenience and Necessity, City of Midlothian, Texas. Dr. Harkins provided expert witness testimony for the City of Midlothian related to the City of Midlothian's CCN and its service area.

Expert Witness, Certificate of Convenience and Necessity, East Medina County Special Utility District, Medina County, Texas. Dr. Harkins was retained to assist the District in a contested hearing related to the utility's ability to provide continuous and adequate service and amend its current CCN for water service. Dr. Harkins testified as to the District's ability to serve as well as address each of the required criteria to amend and obtain a CCN.

Certificate of Convenience and Necessity, City of Midlothian, Texas, Dr. Harkins was retained by the City of Midlothian to prepare and prosecute a CCN amendment for a large development within the city's corporate limits as well as address a potential cease and desist request.

Certificate of Convenience and Necessity, Towns of Annetta, Annetta South, Annetta North, Hudson Oaks and Aledo, Texas. Dr. Harkins is currently retained by the Parker County Cities Coalition to provide professional engineering services as related to a sale, transfer, merger application made by the City of Willow Park.

Certificate of Convenience and Necessity, Houston, Texas. Dr. Harkins was retained by BCWK to complete a wastewater transfer, public water system transfer, and CCN cancellation for a privately owned water and wastewater system.

CCN Amendment Application, Mission, Texas. Dr. Harkins provided professional consultation services for the City of Mission and its application to certificate additional wastewater service area.

Water and Wastewater Service Extension Policy, Austin, Texas. Dr. Harkins made an in depth review of a water and wastewater supply corporation service extension policy with reference to the applicable rules and regulations of the TCEQ and made recommendations for changes and/or improvements.



Selected Water and Wastewater Rate and Asset Evaluation Experience

Expert Witness, Wholesale Water Rate Appeal, Manor, Texas. Dr. Harkins provided professional engineering services for a master district and three sub districts for a wholesale rate appeal. Work included detailed capital assets inventory, used and useful review, depreciation expense, and developer/customer aid in construction contributions.

Water and Wastewater Utility Inventory, Texas. Dr. Harkins was the project manager for the development of a detailed water and wastewater utility asset inventory as well as completing a trending study to determine costs at installation as well as depreciation values used for rate making procedures.

Water Rate Analysis and Application, Cleburne, Texas. Dr. Harkins completed a water rate analysis as well as an asset inventory for the prosecution of a water rate application with the TCEQ for a multi-system public water utility.

Water Rate Analysis, Granbury, Texas. Dr. Harkins provided professional engineering services to a private water company that serves potable water service to three subdivisions in Hood County, Texas. Services include asset inventory, rate applications, and potential litigation support.

Water and Wastewater Rate Analyses, Manvel, Texas. Dr. Harkins provided expert professional services for water and wastewater rate applications which included a detailed water and wastewater capital assets inventory and trending analysis.

Expert Witness, Water and Sewer Rate and Tariff Change Application, Austin, Texas. Dr. Harkins provided expert witness testimony for the largest rate case filed with the State of Texas. The applicant provides service to 50,000 connections in the State of Texas. Dr. Harkins testified on the just and reasonability of the rates, the substantially similarity issues for consolidated systems, used and useful requirements for items to be included in rate base, basic rate design, and all discovery and other formal requirements of the application as it proceeded through the State Office of Administrative Hearings.

Water Rate and Tariff Change Application, Lake Whitney, Texas. Dr. was the project manager for a rate change application filed with the TCEQ for eleven water systems located in central Texas. Dr. Harkins' was overall responsible for the creation and prosecution of the application as well as providing supporting documentation as required for the application. Dr. Harkins provided detailed information for the systems' capital assets.

Certificate of Convenience and Necessity, City of Royse City, Texas. Dr. Harkins has provided and continues to provide the City of Royse City professional services related to the City's CCN which includes address of neighboring utilities. Dr. Harkins has assisted and prepared several CCN amendments, STMs, and related petitions for the City.

CCN Decertification, Keralla Development, Royse City, Texas. Dr. Harkins was the project manager for a large acreage petition for expedited release of a CCN. Dr. Harkins prepared the petition with all the required documentation for decertification to obtain service from an adjacent provider. Decertification was successful. Dr. Harkins also assisted in the determination of monies due as a result of the decertification.

CCN Decertification, Red Wolf Golf Resort, Humble, Texas. Dr. Harkins was the project manager for a large acreage request for expedited release from a CCN. Dr. Harkins presented and prosecuted the petition. Decertification was successful.



Expedited Release, City of Midlothian, Texas. Dr. Harkins completed a petition to the Texas Public Utility Commission for the release of a 120 acre tract from a current CCN holder.

Town of Annetta, Parker County, Texas. Dr. Harkins is currently the project manager for the development of long term planning for the Town of Annetta including 5, 10, and 20 year projections for land use, population projections, water use demand, and development of additional water supplies. The long-term planning includes term capital assets to be used for financial budgeting.

Capital Asset Planning, City of Cibolo, Texas. Dr. Harkins was the project manager for the asset inventory and costing of a large water purveyor. Trending and asset inventories will be used to determine the cost of replacement and cost for sale purposes.

Selected Environmental Experience:

Environmental Information Document (EID)/Environmental Assessment, City of Grand Prairie, Texas: Dr. Harkins was the project manager for the development and prosecution of an EID/EA as required as part of the NEPA process for submittal to the USACE for easement related to a large wastewater collection line. The EA focused on a range of resources: soil, water, air, biological, cultural resources, land use, aesthetic resources, hazardous, toxic, and radioactive materials; socioeconomics, geology, and vegetation. The analysis included the evaluation of surface and ground water; biological resources of plant and wildlife species, terrestrial communities, wetlands, and freshwater aquatic communities; cultural resources (Archeology); and socioeconomic factors that could potentially affect the citizens of Ellis County, Texas. Consideration was made to the affected environment as it exists currently as well as impacts to such under four different alternative project scenarios. The EID has been submitted with revisions made. The Finding of No Significant Impact was issued.

LCRA SAWS Water Supply Project, Affected Environment, EID - Matagorda Bay Health Study, Austin, Texas: Dr. Harkins served as task leader for data inventory, acquisition, evaluation and management of physical, chemical, hydrological, biological data for the Matagorda Bay and all the connecting and minor bays as part of a project team for the development of an Environmental Information Document/Environmental Assessment of the large water resources project. Data was been evaluated for its period of record, quality, format, and accessibility for all water quality and biological parameters of Matagorda Bay to establish the current existing status of the bay for future consideration of potential project alternatives.

Nationwide Permit No. 12, City of Grand Prairie, Texas. Dr. Harkins served as the project manager for the development and acquisition of a Nationwide Permit for the location and construction of a large collection system through Waters of the United States. The permit application included address of current conditions, waters of the US, historic properties, threatened and endangered species, wetlands, wildlife, noise, and use characteristics. The permit was secured.

Hamilton Pool Hamilton Creek and Davis Creek Assessment and Remediation, Travis County, Austin, Texas: Dr. Harkins was the project manager for a detailed creek assessment and natural pond remediation due to point source pollution upstream due to failure of on-site erosion control measures and insufficient best management practices. As a result large and repetitive stormwater runoff events led to the discharge of sediment laden stormwater. As a result, large amounts of silt have been deposited in the creek and in Hamilton Pool. A detailed project assessment was completed. Remediation design has been completed. Restoration activities included a crude clean-up and a combination of crude and washdown method. Clean-up of the pool was conducted using divers and high pressure filter presses with a return of treated water to maintain water level vegetative benches.



Water Quality Assessment and Remediation, Austin, Texas: Dr. Harkins was the field manager for a natural pond remediation due to point and non-point source pollution upstream. The project contained many sensitive biological and ecological factors. Remediation encompassed a pump and treat system with careful return of treated water. Project assessment included a detailed assessment of the current water quality, nutrient loadings from sediments (in the pool and upstream), background concentrations, and comparable water quality concentrations. A detailed literature review has been completed as well as an extensive field assessment. The project met its goals and was successfully completed.

Water Quality and Streambed Assessment and Restoration, Hays County, Texas: Dr. Harkins was the project manager to assess a streambed affected by upstream development activities. Point and non-point source pollution entered a contributing stream affecting a large subdivision downstream. Results of the assessment have been presented, and remediation alternatives were presented.

Oil and Gas Assessment and Remediation, Texas: Dr. Harkins is currently the project manager to provide professional civil and environmental engineering and consulting services related to environmental oversight, and representation for a private client for response to oil and gas contamination of the clients' private property due to the pipeline transfer of refined and unrefined petroleum product. Dr. Harkins has conducted an independent assessment of the remediation of a refined product spill from a ruptured pipeline into shallow groundwater on the property including an analysis of groundwater data, product recovery efforts, and overall remediation effectiveness. This review demonstrated the pipeline company had overstated the effectiveness of remediation. Dr. Harkins established a remediation endpoint based on recovery data, developed a groundwater monitoring well network for the site, and provided continued recovery recommendations to the TCEQ.

Metals Assessment, Sampling and Remediation Alternatives: Dr. Harkins also conducted a creek and lake assessment from previous metals contamination. Dr. Harkins has also completed an on-site sampling of a recent discovery of a petroleum product spill during pipeline assessment and repair. Dr. Harkins is also project manager for the placement and installation of several groundwater monitoring wells to test for the presence and potential restoration of petroleum related discharge.

Water Quality Pond Assessment and Wastewater Reuse, Austin, Texas: Dr. Harkins served as field manager for a project to assess the applicability of using treated wastewater effluent as make-up water for a stormwater quality pond/detention pond. An extensive literature review was completed and field analysis and prototype studies were scoped. Field studies were designed to test the pond's ability to treat the potentially higher levels of nutrients and other potential contaminants.

Vista and Encantada Environmental Assessment, Llano County, Texas: Dr. Harkins was a project manager for a surface water pond water quality investigation for potential herbicide, pesticide, and other potential contaminants of concern as part of a due diligence for a property transfer.

PCB Contamination and Remediation, Houston, Texas: Dr. Harkins served as a project manager of a multi-million dollar remediation of an industrial site in Texas contaminated with PCBs, heavy metals and total petroleum hydrocarbons. Work has included: delineation of the contamination profile, site surveys, groundwater assessment, remediation design, on site management, soil samples, and contractor bid and oversight. The site was accepted into the VCP program of the TCEQ. Dr. Harkins completed all the site delineation, remediation design and managed first hand all field work. Remediation was accomplished via excavation and disposal with concrete pad for final overlay. Post closure documentation has been provided to both the TCEQ and EPA for completion. A release of liability has been awarded by the TCEQ.



Pantex/BWXT Site-Wide Ecological Risk Assessment (ERA), Amarillo, Texas: Dr. Harkins served as the field manager for the sample collection requirement for additional data needed to support the ERA. Tasks include coordination with Pantex personnel, organization of sampling crews, sampling, QA/QC and reporting requirements. Both surface water and sediment samples were collected at five separate playas at approximately 18 sites per playa to represent potential points of exposure and biologically active zones.

New Braunfels, TX Landa Lake: Dr. Harkins through a subcontract is currently providing environmental restoration a part of a habitat enhancement for the endangered species, the Riffle Beetle and Fountain Darter. Work has included sediment removal, riparian restoration, erosion control, and re-vegetation.

Phase II Environmental Site Investigation: Total Petroleum Hydrocarbons and BTEX Contamination, Possum Kingdom, Texas: Dr. Harkins served a project manager for a Phase II environmental site investigation for a currently planned development. The site has a history of oil and gas production with a resulting contamination around well heads and storage tank embankments.

Water Quality Modeling, The Tidelands, Port O'Connor, Texas, Dr. Harkins completed a water quality study of a proposed subdivision located northwest of Port O'Connor, Texas. Modeling of the subdivision was done to ensure adequate dissolved oxygen levels in the far reaches of the subdivision. Parameters included sediment oxygen demand, aerations, dispersion, biochemical oxygen demand, tides, meteorological factors, surface water runoff, temperature, etc.

Water Quality Modeling, Beachside Development, Seadrift, Texas, Dr. Harkins completed a water quality study of a proposed subdivision located along San Antonio Bay, Texas. Modeling of the subdivision was done to ensure adequate dissolved oxygen levels in the far reaches of the subdivision. Parameters included biochemical oxygen demand, tides, meteorological factors, benthic demand, surface water runoff, temperature, etc.

Water Quality Modeling, The Sanctuary, Port O'Connor, Texas, Dr. Harkins completed a water quality study of a proposed subdivision located along Matagorda Bay, Texas. Modeling of the subdivision was done to ensure adequate dissolved oxygen levels in the far reaches of the subdivision. Parameters included biochemical oxygen demand, tides, meteorological factors, benthic demand, surface water runoff, temperature, etc.

Water Quality Modeling, Seadrift, Texas, Dr. Harkins was project manager for a water quality model of a proposed subdivision near Seadrift, Texas located along Espiritu Santo Bay. Initial data collection was completed for model development including biochemical oxygen demand, tides, meteorological factors, benthic demand, surface water runoff, temperature, etc. Alternatives for subdivision design were completed with related water quality effects being addressed.

Water Quality Modeling, Copano Bay Development, Dr. Harkins completed a water quality study of a proposed subdivision located along Copano Bay, Texas. Modeling of the subdivision was done to ensure adequate dissolved oxygen within the proposed channel lengths. Parameters included biochemical oxygen demand, tides, meteorological factors, benthic demand, surface water runoff, temperature, etc.

Environmental Site Assessment (ESA), Jonestown, Texas, Texas, Dr. Harkins performed a Phase I environmental site assessment for a commercial property used for boat storage, off-site storage, a small mobile home park, and vacant land. The ESA was completed in accordance with all applicable ASTM standards.



Environmental Site Assessment (ESA), Possum Kingdom, Texas, Texas, Dr Harkins performed a Phase I environmental site assessment for a large undeveloped ranch land planned for a large multi-family, marina and estates development. The site had numerous oil and gas production facilities. The ESA was completed in accordance with all applicable ASTM standards.

Environmental Site Assessment (ESA), San Marcos, Texas, Dr Harkins performed a Phase I environmental site assessment for a commercial property for a previous auto restoration and salvage operations. The ESA was completed in accordance with all applicable ASTM standards.

Environmental Site Assessment (ESA), Austin, Texas, Dr Harkins performed a Phase I environmental site assessment for a land development project. The ESA was completed in accordance with all applicable ASTM standards.

Environmental Site Assessment (ESA), Buffalo, Texas, Dr. Harkins performed an ESA compliant with (Texas Department of Housing and Community Affairs, Real Estate Division, Real Estate Analysis Rules, 1.35) and ASTM Practice E 1527-09. Assessment included a site reconnaissance and area survey which included a detailed physical observation of the property, interviews with identified person(s) familiar with the property's history, and inquiries to the appropriate public agencies in an attempt to determine if past practices or current conditions at the site may have caused an environmental impact on the property, a 50-year chain-of-title and environmental lien search was performed and reviewed to assess historical ownership of the property, review of available historical aerial photographs, federal, state, and local regulatory agencies enforcement and permitting records were reviewed for evidence of prior contamination on the property or in the vicinity of the property, a review was completed of state and federal environmental databases for areas of environmental concern within the recommended American Society for Testing and Materials (ASTM) radius of the property, a review of USEPA Radon Zone Information, a review of TCEQ Drinking Water Database, and a review of HUD guidelines for Noise Assessment Study triggers.

Environmental Site Assessment (ESA), Buffalo, Texas, Dr. Harkins performed an ESA compliant with (Texas Department of Housing and Community Affairs, Real Estate Division, Real Estate Analysis Rules, 1.35) and ASTM Practice E 1527-09. See description above.

Environmental Site Assessment (ESA), Taft, Texas, Dr. Harkins performed an ESA compliant with (Texas Department of Housing and Community Affairs, Real Estate Division, Real Estate Analysis Rules, 1.35) and ASTM Practice E 1527-05. See description above.

Environmental Site Assessment (ESA), West Columbia, Texas, Dr. Harkins performed an ESA compliant with (Texas Department of Housing and Community Affairs, Real Estate Division, Real Estate Analysis Rules, 1.35) and ASTM Practice E 1527-05. See description above.

Environmental Site Assessment (ESA), Three Rivers, Texas, Dr. Harkins performed two ESAs compliant with (Texas Department of Housing and Community Affairs, Real Estate Division, Real Estate Analysis Rules, 1.35) and ASTM Practice E 1527-05. See description above.

Water Resources/Civil Experience:

Town of Annetta, Parker County, Texas. Dr. Harkins is currently the project manager for the design of a groundwater treatment plant including three groundwater wells, two storage tanks, piping, chlorination, and related appurtenances. Water distribution modeling will be used to establish the initial network and all future additions.



City of Hudson Oaks, Parker County, Texas. Dr. Harkins provides general water and wastewater engineering services for the City. Work has included regulatory compliance, design and installation of groundwater wells, provisional wastewater assessment, and water quality assessment, etc.

City of Fairview, Collin County, Texas. Dr. Harkins provided an assessment for the development of potential groundwater sources to supplement the City's water sources to meet current and future demands of the City.

Lower Colorado River Authority, Burnet County, Texas. Dr. Harkins served as the project manager of a groundwater well design, installation and development project for a public water supply. In addition, the project involved a study of the localized groundwater to assess the potential for development of additional ground water supplies and the feasibility of obtaining service from a neighboring utility.

Private Country Club, Austin, Texas, Dr. Harkins was the project manager for the development and acquisition of potable water supply for a new planned subdivision and golf resort. Tasks include conceptual planning, water source development and development.

City of Italy, Ellis County, Texas. Dr. Harkins completed a detailed and comprehensive audit of the city's water and wastewater utilities and management. A final report with models and templates was provided.

City of Italy, Ellis County, Texas. Dr. Harkins served as the project manager for the design, construction and completion of a groundwater well, piping and related appurtenances for the City of Italy. The City of Italy is at capacity for its production requirements. Dr. Harkins completed and provided the required documentation for the application of a grant to assist in funding the new well.

Village at Northlake, II, Jonestown, Texas. Dr. Harkins served as the project manager for a wastewater treatment plant design, construction and permitting for a pending light commercial and hotel development.

City of Josephine, Texas: Dr. Harkins is currently assisting the City of Josephine with water extension and water utility service which includes permitting and address of neighboring utility issues.

Emergency Action Plans, Large Private Ranch, Texas. Dr. Harkins is the project manager for civil engineering services related to the Texas Commission on Environmental Quality Dam Safety Program for a private client. A total of six lakes are located within the project site, five of which are impounded by earthen dams and one impounded by a concrete dam. Tasks have included dam breach analysis modeling. Three EAPs have been submitted for TCEQ approval and prosecution. In addition, Dr. Harkins is currently assisting in two major dam modifications to re-route spillway flow and decrease dam height and flood storage.

Selected Wastewater Permitting Experience:

Town of Annetta, Texas. Dr. Harkins designed, permitted, and installed a new 164,000 gallons per day wastewater treatment package plant.

Austin Independent School District, Wastewater Permit Renewal, Austin, Texas: Dr. Harkins served as the project manager of a wastewater permit renewal for a package plant with a storage lagoon and on-site irrigation for disposal.

Flagship Emerald Point Marinas, Lake Travis, Texas: Dr. Harkins served as the project manager for an on-site wastewater treatment plant modification as well as an additional 10,000 gpd WWTP.



Water Quality Modeling of Lake Dunlap (New Braunfels Utilities), New Braunfels, Texas: Dr. Harkins was the field manager for a large multi year water quality study for the processing of a large wastewater treatment plant permit renewal with studies completed to assess nutrient limitations, flow changes and downstream conditions. Dr. Harkins conducted an eighteen month water quality sampling project. The scope of the project was to collect surface water samples in order to obtain information to assist in determining whether nutrient limitations on point source discharges from NBU's wastewater treatment plants (WWTPs) will prevent the growth of excessive aquatic vegetation in receiving waters, as provided by the Texas Commission on Environmental Quality (TCEQ) regulations at 30 TAC 307.4(e). As part of the water quality study numerous water quality studies related to point and non-point source loadings entering Lake Dunlap from the Comal and Guadalupe were evaluated to determine the impact of point and non-point source nutrient loadings on Lake Dunlap.

Private Subdivision, Austin, Texas: Dr. Harkins served as the project manager for a on-site wastewater treatment plant permit renewal with the TCEQ. Service is provided by a package plant with drip irrigation.

Village at Northlake, II, Jonestown, Texas. Dr. Harkins served as the project manager for a wastewater treatment plant design, construction and permitting for a light commercial and hotel development.

Flagship Emerald Point Marinas, Lake Travis, Texas: Dr. Harkins served as the project manager for a wastewater treatment plant permit renewal for an on-site wastewater treatment plant utilizing a large in-ground treatment plant and low-dose pressure drainfields.

Austin Independent School District, Wastewater Permit Renewal, Austin, Texas: Dr. Harkins was the project manager of a wastewater permit renewal process as well as a study of alternatives for future service.

Town of Annetta, Texas: Dr. Harkins served as the project manager for a wastewater treatment plant permit renewal.

Town of Annetta, Texas: Dr. Harkins serves as the project manager for several modifications to the Town of Annetta's WWTP including modification to the pond receiving effluent, contact chambers, and digester. Dr. Harkins is also currently the project manager for the installation and permitting for a new wastewater treatment plant to double the Town's current wastewater treatment capability.

City of Lago Vista, Texas: Dr. Harkins served as the project manager for a wastewater treatment plant permit renewal for a large wastewater treatment plant permit modification to increase use of treated wastewater irrigation and golf course irrigation.

BCWK, L.P., Houston, Texas: Dr. Harkins served as the project manager for a wastewater treatment plant permit renewal for a large wastewater treatment plant permit with discharge into nearby water courses.

Austin Independent School District, Wastewater Permit Renewal, Austin, Texas: Dr. Harkins was the project manager for the closure and decommissioning of an on-site wastewater treatment plant for a package plant with a storage lagoon and on-site irrigation for disposal.

City of Corpus Christi, TX, Wastewater Treatment Plant Permit Assistance: Dr. Harkins is currently the project manager for permit renewals for three large municipal wastewater treatment plans with discharges into a variety of receiving water bodies with multiple permit effluent requirements, WET, mixing zones, nutrients, DO, etc.

