



APPENDIX E
WATER POLLUTION
ABATEMENT PLAN



GERARD C. RICKHOFF

BEXAR COUNTY CLERK

100 Dolorosa, Suite 104
San Antonio, TX 78205

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Tender Subtotal:

Total Payments: \$60.00

Cash: \$60.00

Change Due: \$-14.00

Client Name: DENYCE ALCORTA

Date: 05/23/2018 | 01:07PM
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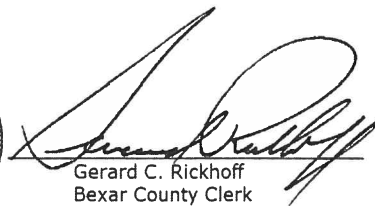
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Any provision herein which restricts the sale or use of the described real property because of race is invalid and unenforceable under Federal law

STATE OF TEXAS, COUNTY OF BEXAR

I hereby Certify that this instrument was FILED in File Number Sequence on this date and at the time stamped hereon by me and was duly RECORDED in the Official Public Record of Bexar County, Texas on:
5/23/2018 1:07 PM




Gerard C. Rickhoff
Bexar County Clerk

SCANNED

**Recordation Affidavit
Edwards Aquifer Protection Plan**

THE STATE OF TEXAS §

County of Bexar §

BEFORE ME, the undersigned authority, on this day personally appeared Mark Brewton, who, being duly sworn by me deposes and says:

- (1) That my name is Mark Brewton, Corporate Counsel of the San Antonio Water System, and the City of San Antonio for the use, benefit and control of the San Antonio Water System is the owner of the property described in section (4) hereinbelow.
- (2) That said property is subject to an EDWARDS AQUIFER PROTECTION PLAN which was required under the 30 Texas Administrative Code (TAC) Chapter 213.
- (3) That the EDWARDS AQUIFER PROTECTION PLAN for said property was approved by the Texas Commission on Environmental Quality (TCEQ) on April 25, 2018.

A copy of the letter of approval from the TCEQ is attached to this affidavit as Exhibit A and is incorporated herein by reference.

- (4) The said property is located in Bexar County, Texas, and the legal description of the property is as follows: Lot 3, Block 58, New City Block 19221, VISTA RIDGE INTEGRATION, a subdivision in the City of San Antonio, Bexar County, Texas, according to the plat thereof recorded in Volume 9724, Page 219, Deed and Plat Records, Bexar County, Texas

Mark Brewton

AFFIANT

SWORN AND SUBSCRIBED TO before me, on this 16th day of May, 2018.

J McClain

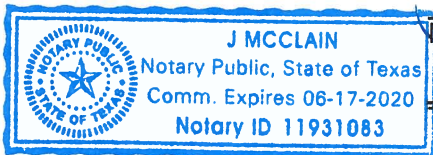
NOTARY PUBLIC

THE STATE OF TEXAS §

County of Bexar §

BEFORE ME, the undersigned authority, on this day personally appeared Mark Brewton, Corporate Counsel of the San Antonio Water System, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed same for the purpose and consideration therein expressed.

GIVEN under my hand and seal of office on this on this 16th day of May, 2018.



[Seal]

J McClain

NOTARY PUBLIC

J McClain

Typed or Printed Name of Notary

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Jon Niermann, *Commissioner*
Stephanie Bergeron Perdue, *Interim Executive Director*



Exhibit A

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

April 25, 2018

Ms. Alissa Lockett
San Antonio Water System
PO Box 2449
San Antonio, Texas 78298

Re: Edwards Aquifer, Bexar County

NAME OF PROJECT: Vista Ridge Regional Supply Project Terminus Site; Located on the west side of Hardy Oak Boulevard approximately 0.5 miles south of its intersection with Knights Cross Drive; San Antonio, Texas

TYPE OF PLAN: Request for Modification of an Approved Water Pollution Abatement Plan (WPAP); 30 Texas Administrative Code (TAC) Chapter 213 Edwards Aquifer

Regulated Entity No. RN109828459; Additional ID No. 13000637

Dear Ms. Lockett:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the WPAP Modification application for the above-referenced project submitted to the San Antonio Regional Office by Bain Medina Bain, Inc. on behalf of San Antonio Water System on March 16, 2018. Final review of the WPAP was completed after additional material was received on April 17, 2018. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) were selected and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. *This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.*

BACKGROUND

The original project was approved by TCEQ letter dated August 14, 2017. The project had an area of approximately 25.3 acres, and included clearing, grading, excavation, construction of a water supply tank, pad site, and haul road. The impervious cover was 8.92 acres (35.3 percent).

PROJECT DESCRIPTION

The proposed modification will have an area of approximately 25.3 acres. It will include additional clearing, grading, excavation, and construction of an additional water supply tank and access drive. The impervious cover will remain at 8.92 acres (35.3 percent). No wastewater will be generated by this project.

PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, two natural and one engineered vegetative filter strip (VFS), designed using the TCEQ technical guidance document, Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005), will be constructed to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 7,279 pounds of TSS generated from the 8.92 acres of impervious cover. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

The engineered VFS for drainage area "A" will be at least 15 feet wide (in the direction of flow), and will extend along the entire length of the contributing areas with no gullies, rills, or obstructions that will concentrate flow. The VFS will have a uniform slope of less than 20 percent, and will maintain a vegetated cover of at least 80 percent. The VFS is designed to remove 367 pounds of TSS annually from the 0.45 acres of impervious area being directed through it.

The natural VFS for drainage area "B" will be at least 50 feet wide (in the direction of flow) and will extend along the entire length of the contributing area. The entire VFS will have a uniform slope of less than 10 percent and will be located above the elevation of the 2-year, 3-hour storm of any adjacent drainage. The VFS is designed to remove 6,667 pounds of TSS annually from the 8.17 acres of impervious area being directed through it.

The natural VFS for drainage area "C" will be at least 50 feet wide (in the direction of flow) and will extend along the entire length of the contributing area. The entire VFS will have a uniform slope of less than 10 percent and will be located above the elevation of the 2-year, 3-hour storm of any adjacent drainage. The VFS is designed to remove 245 pounds of TSS annually from the 0.30 acres of impervious area being directed through it.

GEOLOGY

According to the geologic assessment included with the application, the site is located over the Kirschberg evaporate and dolomitic members of the Kainer Formation. No geologic or man-made features were discovered by the project geologist. The San Antonio Regional Office site assessment conducted on April 2, 2018 revealed the site was generally as described in the geologic assessment.

SPECIAL CONDITION

- I. This modification is subject to all Special and Standard Conditions listed in the WPAP approval letter dated August 14, 2017.
- II. Each permanent pollution abatement measures shall be operational prior to occupancy of any structure within its respective drainage area.

STANDARD CONDITIONS

1. Pursuant to Chapter 7 Subchapter C of the Texas Water Code, any violations of the requirements in 30 TAC Chapter 213 may result in administrative penalties.
2. The holder of the approved Edwards Aquifer protection plan must comply with all provisions of 30 TAC Chapter 213 and all best management practices and measures contained in the approved plan. Additional and separate approvals, permits, registrations and/or authorizations from other TCEQ Programs (i.e., Stormwater, Water Rights, UIC) can be required depending on the specifics of the plan.
3. In addition to the rules of the Commission, the applicant may also be required to comply with state and local ordinances and regulations providing for the protection of water quality.

Prior to Commencement of Construction:

4. Within 60 days of receiving written approval of an Edwards Aquifer Protection Plan, the applicant must submit to the San Antonio Regional Office, proof of recordation of notice in the county deed records, with the volume and page number(s) of the county deed records of the county in which the property is located. A description of the property boundaries shall be included in the deed recordation in the county deed records. A suggested form (Deed Recordation Affidavit, TCEQ-0625) that you may use to deed record the approved WPAP is enclosed.
5. All contractors conducting regulated activities at the referenced project location shall be provided a copy of this notice of approval. At least one complete copy of the approved WPAP and this notice of approval shall be maintained at the project location until all regulated activities are completed.
6. Modification to the activities described in the referenced WPAP application following the date of approval may require the submittal of a plan to modify this approval, including the payment of appropriate fees and all information necessary for its review and approval prior to initiating construction of the modifications.
7. The applicant must provide written notification of intent to commence construction, replacement, or rehabilitation of the referenced project. Notification must be submitted to the San Antonio Regional Office no later than 48 hours prior to commencement of the regulated activity. Written notification must include the date on which the regulated activity will commence, the name of the approved plan and program ID number for the regulated activity, and the name of the prime contractor with the name and telephone number of the contact person. The executive director will use the notification to determine if the approved plan is eligible for an extension.
8. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved WPAP, must be installed prior to construction and maintained during construction. Temporary E&S controls may be removed when vegetation is established and the construction area is stabilized. If a water quality pond is proposed, it shall be used as a sedimentation basin during construction. The TCEQ may monitor stormwater discharges from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.
9. All borings with depths greater than or equal to 20 feet must be plugged with non-shrink grout from the bottom of the hole to within three (3) feet of the surface. The remainder of the hole must be backfilled with cuttings from the boring. All borings less than 20 feet

must be backfilled with cuttings from the boring. All borings must be backfilled or plugged within four (4) days of completion of the drilling operation. Voids may be filled with gravel.

During Construction:

10. During the course of regulated activities related to this project, the applicant or agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
11. This approval does not authorize the installation of temporary aboveground storage tanks on this project. If the contractor desires to install a temporary aboveground storage tank for use during construction, an application to modify this approval must be submitted and approved prior to installation. The application must include information related to tank location and spill containment. Refer to Standard Condition No. 6, above.
12. If any sensitive feature (caves, solution cavities, sink holes, etc.) is discovered during construction, all regulated activities near the feature must be suspended immediately. The applicant or his agent must immediately notify the San Antonio Regional Office of the discovery of the feature. Regulated activities near the feature may not proceed until the executive director has reviewed and approved the methods proposed to protect the feature and the aquifer from potentially adverse impacts to water quality. The plan must be sealed, signed, and dated by a Texas Licensed Professional Engineer.
13. No wells exist on site. All water wells, including injection, dewatering, and monitoring wells must be in compliance with the requirements of the Texas Department of Licensing and Regulation under Title 16 TAC Chapter 76 (relating to Water Well Drillers and Pump Installers) and all other locally applicable rules, as appropriate.
14. If sediment escapes the construction site, the sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50 percent. Litter, construction debris, and construction chemicals shall be prevented from becoming stormwater discharge pollutants.
15. Intentional discharges of sediment laden water are not allowed. If dewatering becomes necessary, the discharge will be filtered through appropriately selected best management practices. These may include vegetated filter strips, sediment traps, rock berms, silt fence rings, etc.
16. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
17. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.

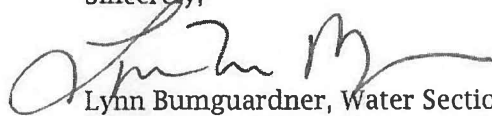
After Completion of Construction:

18. A Texas Licensed Professional Engineer must certify in writing that the permanent BMPs or measures were constructed as designed. The certification letter must be submitted to the San Antonio Regional Office within 30 days of site completion.

19. The applicant shall be responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. The regulated entity shall then be responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred. A copy of the transfer of responsibility must be filed with the executive director through San Antonio Regional Office within 30 days of the transfer. A copy of the transfer form (TCEQ-10263) is enclosed.
20. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Edwards Aquifer protection plan. If the new owner intends to commence any new regulated activity on the site, a new Edwards Aquifer protection plan that specifically addresses the new activity must be submitted to the executive director. Approval of the plan for the new regulated activity by the executive director is required prior to commencement of the new regulated activity.
21. An Edwards Aquifer protection plan approval or extension will expire and no extension will be granted if more than 50 percent of the total construction has not been completed within ten years from the initial approval of a plan. A new Edwards Aquifer protection plan must be submitted to the San Antonio Regional Office with the appropriate fees for review and approval by the executive director prior to commencing any additional regulated activities.
22. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality. If you have any questions or require additional information, please contact Mr. Alex Grant of the Edwards Aquifer Protection Program of the San Antonio Regional Office at 210-403-4035

Sincerely,



Lynn Bumguardner, Water Section Manager
San Antonio Region
Texas Commission on Environmental Quality

LB/AG/eg

Enclosures: Deed Recordation Affidavit, Form TCEQ-0625
Change in Responsibility for Maintenance of Permanent BMPs, Form TCEQ-10263

cc: Mr. Nicholas Romones, P.E., Bain Medina Bain, Inc.
Ms. Renee Green, P.E., Bexar County Public Works
Mr. George Wissmann, Trinity Glen Rose GCD
Mr. Scott Halty, San Antonio Water System
Mr. Roland Ruiz, Edwards Aquifer Authority