Springs Hill SUD

Blumberg Well No. 1:

Transport Permit Application

for

Springs Hill Special Utility District

5510 S ST HWY 123 Bypass

Seguin, Texas 78155

Wilson County, Texas

February 2025

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1 – Transport Permit Application

EUWCD
Evergreen Underground
Water Conservation District

Evergreen Underground Water Conservation District
110 Wyoming Blvd
Pleasanton, TX 78064

Application for a Permit for Transport of Produced Groundwater from the District

Owner		**Operator**	
Name:	Springs Hill Special Utility District	Name:	Springs Hill Special Utility District
Address:	5510 S. St Hwy 123	Address:	5510 S. St Hwy 123
	Seguin, TX 78155		Seguin, TX 78155
Email:	mandrews@springshill.org	Email:	mandrews@springshill.org
Phone:	830-379-7683	Phone:	830-379-7683

Contact	**Name**	**Phone Number**	**Email Address**
Financial	Mike Andrews	830-379-7683	mandrews@springshill.org
Administrative	Mike Andrews	830-379-7683	mandrews@springshill.org
Reporting	Mike Andrews	830-379-7683	mandrews@springshill.org

I. Well System:

Well ID	**Latt**	**Long**	**Screen Interval**	**Depth**
Blumberg Well No. 1	29.369417	-97.848372	705-890	900

Requested Volume of Water to be Transported 325,851,000 gallons / year

Purpose of Use of Water to be Transported within the receiving area:

To provide water to customers of Springs Hill SUD.

EUWCD
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II. Application to Include:

The availability of water in the District and in the proposed receiving area during the period for which the water supply is requested, including the:

1. Shapefile of proposed receiving area for water to be transported;
2. Information describing alternative sources of supply that might be utilized by the application and the feasibility and practicability of utilizing such supplies; and
3. Description of the amount and purpose of use in the proposed receiving area for which water is needed, including:
    a. identification of the transport project within the approved Regional Water Plan;
    b. technical Description of the facilities to be used to transport water Shapefile of transportation infrastructure; and
    c. time schedule of construction and activation of transport system.
4. Projected impacts of the withdrawal of groundwater on existing wells and aquifer utilizing the District identified best available science, including available aquifer parameterization and District-approved groundwater model.
    a. A Hydrogeological Report, signed and sealed by a registered geologist or professional engineer that follows the standards in the District's Hydrogeological Study Standards and Guidance and includes, at minimum:
        i. Summary of drawdowns over 30 years
        ii. Shapefile of groundwater heads over 30 years
        iii. Summary Table of drawdown impact to wells within the cone of influence of the well
        iv. Calculation of reduction in storage
        v. Projected subsidence
        vi. Proposed Model for Review, including all support files, for execution in Groundwater vistas Version 8.
    b. Table of the names, address, of well owners that are within the spacing-requirement circumference of the applied-for well from which water is to be transported.
    c. Proposed mitigation plan to address adverse hydrogeologic impacts of the proposed transport of water.

If the permittee is applying for multiple transport permits or holds multiple permits, the report must analyze the cumulative impact of all wells operated by the permittee. The transport permit should be applied for at the same time as application for the operating permit.

Authorized Agents for Owner and Operators:	
Printed Name, Title	Mike Andrews General Manager
Signature	
Date	2/18/25

District Use Only

Application Received: _____

Application Deemed Administratively Complete: _____

Transport Permit #: _____

Well System Production Permit #s: _____

2 – Availability of Water in the District and in the Proposed Receiving Area

Figure 1 provides a map showing the location of the proposed Blumberg Well No. 1 in addition to the Springs Hill Special Utility District (Springs Hill SUD) Certificate of Convenience and Necessity (CCN). The CCN represents the receiving area for the water to be transported. Figure 1 also provides the location of the water lease acreage (Blumberg property) which contains 500.0 acres.

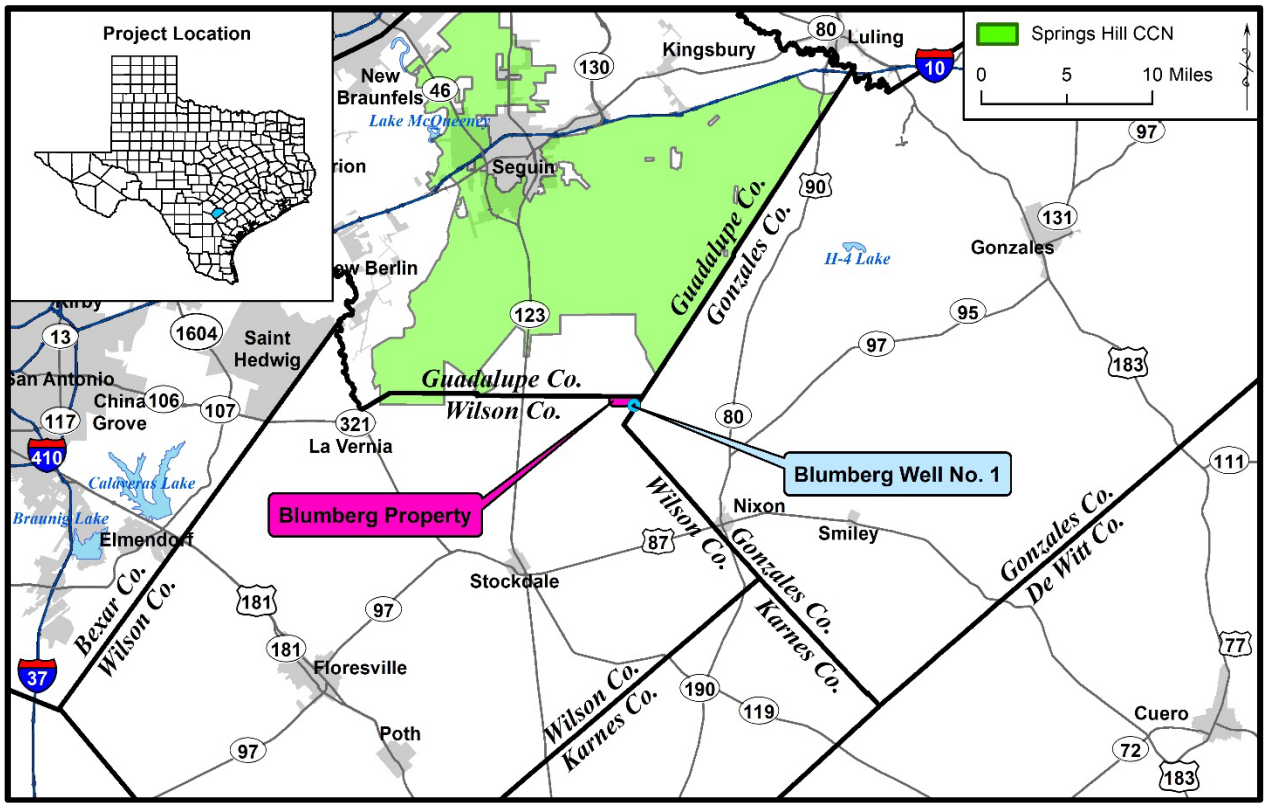

Figure 1: Location map showing receiving area for Blumberg Well No. 1

Blumberg Well No. 1 will be constructed within the Carrizo sands of the Carrizo-Wilcox Aquifer. The Carrizo-Wilcox Aquifer is composed of fluvial and fluvial-deltaic deposits including coarse sand, silt and clay. The Carrizo-Wilcox Aquifer spans as far north as the Texas/Louisiana border and as far south as the Texas/Mexico border where fresh water can be produced. Blumberg Well No. 1 is proposed to be completed to a depth of approximately 900 ft. below ground level (bgl) where the aquifer is under confined conditions.

Groundwater is available within the Carrizo sands with well yields exceeding 1,000 gpm in the area surrounding the proposed well. The Blumberg Well No. 1 is located within Regional Water Planning Group (RWPG) L and Groundwater Management Area (GMA) 13. GMA 13 has the following adopted Desired Future Conditions (DFC) for the confined zone of the Carrizo-Wilcox Aquifer:

- Average drawdown of 48 feet (+ / - 5 feet) for all of GMA 13 calculated from the end of 2012 conditions through the year 2080.

The resultant Modeled Available Groundwater (MAG) volume within the Carrizo-Wilcox Aquifer for Wilson County is 125,670 acre-ft per year (afy) through 2080.

Springs Hill SUD provides water utility service to approximately 11,880 connections within Guadalupe and Wilson counties via three (3) active wells completed within the Carrizo-Wilcox Aquifer located in Guadalupe County. These wells are permitted through the Guadalupe County GCD. In addition to the wells, the system also has groundwater supplies via Canyon Regional Water Authority (CRWA) Wells Ranch and the Schertz-Seguin Local Government Corporation and surface water from the CRWA Lake Dunlap Water Treatment Plant, an intake at Lake Placid, the City of Seguin and the City of New Braunfels. The water system is seeking to add another well to add redundancy and in order to meet present and future demand.

The receiving area in Guadalupe and Wilson counties is in an area of the Carrizo-Wilcox Aquifer where the Carrizo sands are under unconfined conditions with lower well yields and less stable water levels during drought. The existing wells that serve groundwater from the Carrizo-Wilcox in Guadalupe County produce at rates near 350 gpm. A well that produces at a higher yield and 1,000 afy of groundwater is needed to serve the customers of Springs Hill SUD.

Springs Hill SUD currently has a diverse source of water serving its customers from groundwater to surface water. It is currently not feasible for Springs Hill SUD to develop the volume of water it projects to get from the Blumberg Well No. 1 in Guadalupe County near its existing wells. Additional surface water supplies are also not feasible at this time. Springs Hill SUD has entered into a contract to lease water rights from the Blumberg property to utilize water for its customers.

3 – Projected Effect of the Proposed Groundwater Transport on Aquifer Conditions, Depletion, Subsidence, or Effects on Permit Holders or Groundwater Users in District

See Hydrogeological Report in Section 6 of the Blumberg Well No. 1 Production and Drilling Permit Application.

4 – Approved Regional Water Plan and Certified District Management Plan, Including a Description of How the Proposed Transport is Addressed in any Approved Regional Water Plan and the Certified District Management Plan

The Region L Water Planning Group is currently preparing the 2026 Regional L Water Plan. We have contacted Lauren Gonzales, project manager for the South Central Texas (Region L) technical consultant team, for preliminary information for Springs Hill SUD. This information will be finalized and published in the 2026 South Central Texas Regional Water Plan.

According to 2026 Regional Water Plan Board-Adopted Population and Municipal Demand Projections, Springs Hill SUD's (SHSUD) projected demand is shown in Table 1 below.

Table 1: SHSUD Projected Demands

Projected Demands (acft/yr)						
	2030	**2040**	**2050**	**2060**	**2070**	**2080**
Municipal Demand	5,451	6,435	7,555	8,732	10,068	11,585

According to the Springs Hill Water Balance spreadsheet provided by Lauren Gonzales on January 31, 2025, Springs Hill SUD's total projected existing supplies are shown in Table 2 below.

Table 2: SHSUD Projected Existing Supplies

Projected Existing Supplies (acft/yr)						
	2030	**2040**	**2050**	**2060**	**2070**	**2080**
Total Existing Supplies	6,710	4,470	4,470	4,470	4,470	4,470

According to the Springs Hill Water Balance spreadsheet, Springs Hill SUD's supply-demand balance is shown in Table 3 below.

Table 3: SHSUD Supply-Demand Balance

Supply-Demand Balance (acft/yr)						
	2030	**2040**	**2050**	**2060**	**2070**	**2080**
Total Supply-Demand	1,259	-1,965	-3,085	-4,262	-5,598	-7,115

Projected future supply is dependent on water management strategies (WMS). One of the WMSs Springs Hill SUD has presented is the Wilson County Well. A summary of the projected future supplies for SHSUD is shown in Table 4 below.

Table 4: SHSUD Projected Future Supplies

Projected Future Supplies, as Recommended WMS (acft/yr)						
	2030	**2040**	**2050**	**2060**	**2070**	**2080**
Advanced Water Conservation (Assume 5%)	137	291	522	804	1,158	1,585
Drought Management (Assume 5%)	221	263	308	356	411	473
Facilities Expansion - Gamecock WTP	-	3,200	4,480	4,480	4,480	4,480
Zone 2 Transmission Main	-	-	-	-	-	-
Wilson County Well	94	164	201	1,000	1,000	1,000
Mesa Trail Well Field Expansion	324	268	295	277	278	271
Transfer portion of CCN to Seguin	?					
Purchase from CRWA	?					
Total WMSs Supplies	**776**	**4,186**	**5,806**	**6,917**	**7,327**	**7,809**

The Wilson County Well strategy would provide 1,000 acft/yr of water. However, for regional water planning purposes, the available yield has been reduced to comply with TWDB requirements that prohibit overallocations of groundwater availability. Overallocations occur when the sum of existing supplies and future supplies (as groundwater-based WMSs) are greater than the groundwater availability for a discrete geographic-aquifer unit (i.e., aquifer/county/basin unit). To comply with TWDB requirements and prevent overallocations, certain groundwater-based WMSs included in the 2026 Region L Regional Water Plan show an available yield that is lower than the requested yield envisioned by the sponsor. In instances where a groundwater overallocation would occur, all groundwater-based WMSs would occur within a particular geographic-aquifer unit, all groundwater-based WMSs in that unit were reduced on a pro-rata basis. As described in Guiding Principle V (refer to Appendix 5A), this reduction in available yield is not intended to influence or interfere with the regulatory decisions made by the governing boards of permitting entities.

5 – Technical Description of the Facilities to be used for Transportation of Water and Time Schedule for any Construction Thereof, That Will be Used to Establish the Term of the Transport Permit Under Section 36.122 of the Texas Water Code

Upon approval from Evergreen UWCD, Springs Hill SUD proposes the following transportation route: north along Dewberry Road, east along Lakey Road, and then north along FM 1117. At the intersection of FM 1117 and Mesa Trail, the water will be directed eastward to the existing Springs Hill SUD groundwater treatment facility. The planned infrastructure includes a 16-inch PVC pipeline. Further details are provided in the following figure, and a shapefile of the water line alignment is included separately.

Water will be distributed to Springs Hill SUD customers in their Certificate of Convenience and Necessity (CCN). Springs Hill SUD serves customers in both Guadalupe County and Wilson County, with a majority being in Guadalupe County. A map of Springs Hill SUD's CCN is included for reference.

The construction and activation schedule for the transport system remains preliminary and is contingent on obtaining various approvals. Springs Hill SUD plans to drill a well in 2025 and begin construction of the roughly 7-mile transmission line described above. Completion of the transmission line is projected for 2026 or 2027, with the activation of the well and transport system anticipated in 2027.

CRWA Wells Ranch

SHSUD Mesa Wells

Blumberg Edwards Well Transmission Line (6.7 miles)

Blumberg Edwards Property
Property ID: 18255

Hickory Forrest Dr
Cordell Creek
Deer Rdg
Sandstone Ln
High Point Rdg
FM 1117
Deep Woods Dr
Bridlewood Path
Mesa Trl
Tidwell Creek
Swallows Ln
Red Rd
Sandies Creek
Birdwell Rd
Batey Ranch Rd
Batey Rd
Lakey Rd
Cowey Rd
Dewberry Rd
Nockenut Rd
Dewville

N

0 0.25 0.5 1 Miles

PRELIMINARY NOT FOR CONSTRUCTION

Legend

PUC CCN 10666 Post CCN Transfer

Springs Hill SUD

Blumberg Edwards Water Transmission Line

MALONE ★ WHEELER
SINCE INC. 1995
CIVIL ENGINEERING ★ DEVELOPMENT CONSULTING ★ PROJECT MANAGEMENT
5113 Southwest Pkwy., Suite 260
Austin, Texas 78735
(512) 899-0601
Firm Registration No. F-786

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