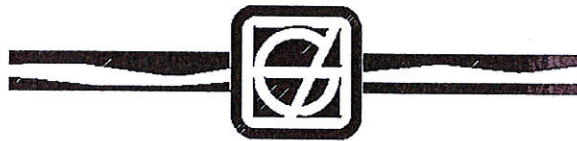

SPRING BRANCH TRANSFER STATION

MSW PERMIT No. [PENDING] 2419
HILL COUNTRY WASTE SOLUTIONS LLC (OPERATOR)
SPRING BRANCH, COMAL COUNTY, TEXAS

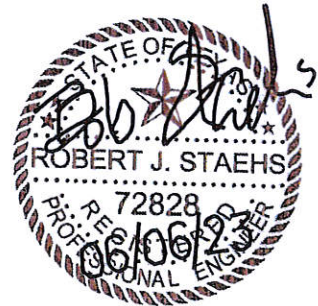
PART I

MAY, 2023
(REVISED JUNE, 2023)

Prepared By



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Surveying Registration No. 100291-0

**SPRING BRANCH TRANSFER STATION
TRANSFER STATION APPLICATION - PART I**

TABLE OF CONTENTS

PART I FORM Pages 1-10

ATTACHMENT 1: LAND OWNERSHIP MAP AND LIST

ATTACHMENT 2: GENERAL LOCATION MAPS

ATTACHMENT 3: GENERAL TOPOGRAPHIC MAP

ATTACHMENT 4: PROPERTY LEGAL DESCRIPTION

ATTACHMENT 5: EVIDENCE OF COMPETENCY

ATTACHMENT 6: CORE DATA FORMS

ATTACHMENT 7: COPY OF CHECK FOR APPLICATION FEES

ATTACHMENT 8: PROPERTY OWNER'S AFFIDAVIT

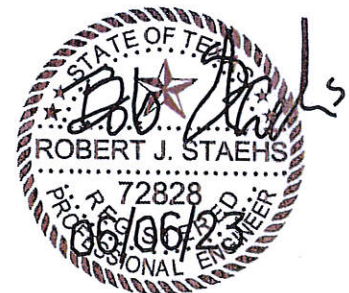
ATTACHMENT 9: SUPPLEMENTARY TECHNICAL REPORT

- A. GENERAL DESCRIPTION
- B. DESCRIPTION OF WASTE
 - 1. PERMITTED CAPACITY
 - 2. TYPE OF WASTE ACCEPTED
 - 3. PROHIBITED WASTES
- C. OTHER INFORMATION
 - 1. ROADWAY ACCESS
 - 2. TRANSFER BUILDING DESIGN
 - 3. SPILL CONTROL

ATTACHMENT 10: FEATURES WITHIN 500 FEET OF PROJECT SITE

ATTACHMENT 11: FEATURES WITHIN 1 MILE OF THE PROJECT SITE

ATTACHMENT 12: VERIFICATION OF LEGAL STATUS



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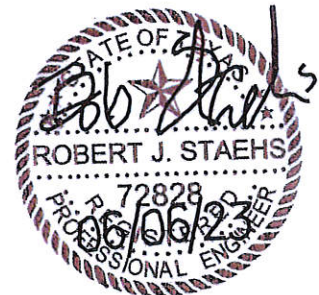
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SPRING BRANCH TRANSFER STATION SUPPLEMENTARY TECHNICAL REPORT

This Supplementary Technical Report is supplied in compliance with 30 TAC §305.45(a)(8). It pertains to the proposed Spring Branch Transfer Station to be located in Comal County, Texas within the incorporated limits of the City of Spring Branch.

A. GENERAL DESCRIPTION - The site of the Spring Branch Transfer Station is located within the incorporated limits of the City of Spring Branch on U.S. Highway 281 N. The entry driveway for the site is located approximately 730 feet north of the intersection of Highway 281 and Jumbo Evans Boulevard. The facility will serve as a transfer station for solid waste generated by the citizens of Comal County and adjacent counties. The facility will be operated by Hill Country Waste Solutions LLC (permittee) and owned by Spring Branch Partners LLC (landowner).

The transfer station will be enclosed by a security fence. Access to the site is via Highway 281 and the entrance driveway to the facility will be equipped with gates. The gates will be monitored during facility operations to prevent unauthorized vehicles from accessing the facility. The gates will be locked on nights, holidays, or any other time the facility will be unattended.

The facility will be equipped with entry drive, transfer station building, transfer trailer parking area, modular scale house, and scale which will be constructed as part of the site development. Access to the site will be controlled by a proposed security fence surrounding the site and gates at the entrance.

Hill Country Waste Solutions LLC utilizes waste collection trucks to collect solid waste from their service areas. The capacities of the collection trucks vary from 25 cubic yards (residential collection trucks) to 40 cubic yards (commercial collection trucks). They will also rent out 20, 30, and 40 cubic yard roll off boxes. These vehicles will bring their collected waste to the transfer station building where it will be transferred into walking floor trailers (with capacities of approximately 130 cubic yards). Once full, the trailers will be transferred to a landfill for final disposal by a transfer truck.

B. DESCRIPTION OF WASTE - The transfer station will accept municipal household and commercial solid wastes and construction debris generated by residents of Comal County and surrounding counties and municipalities. The establishment of the proposed transfer station will make Hill Country Waste Solutions LLC's operations more efficient by allowing the garbage trucks to deliver their waste to a central location (the proposed transfer station building) where it will be concentrated in trailers and then transported to a TCEQ approved landfill for final disposal.

A portion of the site (separate from the Transfer Station building itself) will be set aside and designated as a Citizen Collection Station where the public may come and drop off waste oil. The waste oil will be placed special containers designed for that task. When full, the containers will be transported to a TCEQ approved facility for recycling.

Also, a portion of the Transfer Station building will be set aside and designated as a sludge storage area. Treated and de-watered municipal sewage sludge from local wastewater treatment plants will be stored there in its own bin, separate from the rest of the solid waste at the facility. When full, the contents of the container will be loaded into and end dump and then will be transported to a TCEQ permitted beneficial use site for disposal.

1. PERMITTED CAPACITY - Hill Country Waste Solutions LLC currently serves approximately 13,000 residential customers and 1,500 commercial and industrial clients. Due to population growth and recent residential development in the area, they anticipate that their number of clients will increase significantly by the time this facility opens. Hill Country Waste Solutions LLC currently manages between 140 and 150 tons of waste per day, but expect that average to increase.

It is proposed that the facility be permitted for a maximum daily capacity of 1,500 tons of municipal solid waste. Each walking floor trailer will be filled and dispatched to a TCEQ approved landfill as

rapidly as possible. Under normal operating conditions, solid waste should be hauled to the landfill at least once per day. In no event will the solid waste be stored in the trailer at the transfer station longer than 72 hours for municipal solid waste (all landfills in the area are closed on Sundays and on select holidays, so the 72 hours would be required for those situations where a holiday also fell on a Monday). The facility also intends to develop a future C&D roll off recycling area at the facility; when that area is in place, C&D materials will be stored on site for no longer than 7 days. At no time will the amount of stored waste exceed the ultimate capacity of the facility.

- 2. TYPE OF WASTE ACCEPTED** - The transfer station will accept municipal household and commercial solid wastes and construction debris. The physical, chemical, thermal, organic, bacteriological, and radiological properties of the incoming waste is expected to fall within normal parameters for municipal household and commercial solid waste and construction debris.

A portion of the Transfer Station building will be set aside and designated as a sludge storage area. Treated and de-watered municipal sewage sludge from local wastewater treatment plants will be stored there in its own bin, separate from the rest of the solid waste at the facility. Under normal operating conditions, the sludge will not be stored at the facility for more than 72 hours.

Also, a portion of the site (separate from the Transfer Station building itself) will be set aside and designated as a Citizen Collection Station where the public may come and drop off waste oil. The waste oil will be placed special containers designed for that task. When full, the containers will be transported to a TCEQ approved facility for recycling.

- 3. PROHIBITED WASTES** - The transfer station will only accept household and commercial solid waste, and construction debris. This waste will not contain special wastes. No hazardous wastes will be accepted. The facility supervisor will accept no wastes that he or she is unsure of. The solid wastes accepted at the facility shall not contain and the transfer station will not accept the following:

- Large Items - Items that will not fit in the box will not be accepted.
- Containers containing liquids will not be accepted.
- Empty or Full Containers that are marked with a skull and cross bones, marked Hazardous, or labeled as a chemical container will not be accepted.
- Dead animals (or live animals) will not be accepted.
- Industrial wastes will not be accepted, except with a manifest and without the specific approval of the site owner.
- No hazardous waste will be accepted.
- No liquids or sludge will be accepted (other than the treated de-watered municipal sewage sludge listed above).
- No ashes will be accepted without a manifest and without the specific approval of the site owner.
- No medical wastes will be accepted.
- No gasoline or diesel fuel will be accepted.
- No chemical wastes will be accepted.
- No whole used or scrap tires.
- Special Wastes - This facility will not accept special wastes as defined in 30 TAC §330.3(148).

- Batteries - This facility will not accept lead acid storage batteries
- Chlorinated Fluorocarbons - Items containing chlorinated fluorocarbons (CFC's), such as refrigerators, freezers, and air conditioners, will not be accepted.
- Regulated Asbestos Containing Materials (RACM's) will not be accepted at this facility.
- Polychlorinated Biphenyls (PCBs) wastes, as defined under 40 Code of Federal Regulations, Part 761.

4. MEASURES FOR CONTROLLING PROHIBITED WASTES - Procedures to detect and control the receipt of prohibited wastes include:

- The facility will be utilized mainly by Hill Country Waste Solutions LLC as a transfer station after the proposed facility initially opens. However, the facility will be open to the public and procedures will be in place that call for all customers (both regular and one-time or occasional) and drivers of incoming waste hauling vehicles that have indicated they will deliver waste to the facility to be informed by: (1) Posting signs at the facility listing prohibited wastes; and (2) Providing all customers, vehicle drivers and transfer station operators with a written list of prohibited wastes.
- Facility personnel will be trained to inspect vehicles and identify regulated hazardous waste, polychlorinated biphenyl (PCB) waste, and other prohibited wastes. At a minimum, the facility supervisor and helper will be trained in inspection procedures for prohibited waste. The personnel will be trained on an on-the-job basis by their supervisors. Records of employee training on prohibited waste control procedures will be maintained in the facility operating record. The personnel will be trained to be vigilant for the following indications of prohibited waste: (1) Yellow hazardous waste or PCB labels; (2) DOT hazard placards and/or markings; (3) Liquids; (4) 55-gallon drums; (5) 85-gallon overpack drums; (6) Powders or dusts; (7) Odors or chemical fumes; (8) Bright or unusual colored wastes; or (9) Sludges.
- Random inspections of incoming loads.
- Maintaining records of all inspections.
- Notification of the Executive Director of any incident involving a regulated hazardous waste or a PCB waste.

If transfer station personnel identify any of the above indications with an incoming load, then that load will be directed to an area out of the flow of traffic, and the personnel will further assess the load. If the load is determined to contain prohibited waste or if there is any possibility that it may be prohibited waste, the load will be rejected and directed back to the generator. The supervisor will be diligent in looking for trucks bringing in waste loads from potential sources of prohibited waste such as industrial facilities, microelectronics manufacturers, electronic companies, metal plating industry, automotive and vehicle repair service companies, and dry cleaning establishments.

C. OTHER INFORMATION - Other information regarding the proposed transfer station is as follows:

- 1. ROADWAY ACCESS** - All access to the site will be from southbound U.S. Highway 281, which is a paved two lane roadway with shoulders.
- 2. TRANSFER BUILDING DESIGN** - The facility will be equipped with a covered transfer building that is constructed with a working floor. The working floor will be located above natural ground level and be accessible from the proposed exterior reinforced concrete pavement. Collection vehicles will be able to enter the transfer building and deposit their loads onto the working floor. A lower dock area will be provided at the rear of the building to hold open-topped walking floor trailers. Solid waste will be moved from the working floor directly to the walking floor trailer below. The trailers will be removed

when full and replaced with an empty trailer. Full trailers will be staged in the transfer trailer parking area; incoming trucks with empty trailers will park them in the transfer trailer parking area and hook up to the full one. The full trailers will be taken to a TCEQ approved landfill where the solid waste will be deposited for final disposal.

The transfer building will be partially enclosed to protect it from rainfall and also equipped with floor drains to accommodate wash water. All working areas will be well ventilated due to the fact that the transfer building will not be a fully enclosed structure. The facility will restrict additional solid waste receipt if a significant work stoppage should occur due to a mechanical breakdown or other causes. Under such circumstances, incoming solid waste will be diverted to an approved backup storage, processing, or disposal facility. If the work stoppage is anticipated to last long enough to create objectionable odors, insect breeding, or harborage of vectors, steps will be taken to remove the accumulated solid waste from the facility to an approved backup storage, processing, or disposal facility within 24 hours.

The working floor and dock area are designed to facilitate proper cleaning. The walls and floors in the operating areas are constructed of hard-surfaced materials that can be hosed down and scrubbed as needed. These areas are protected from rain by a covering roof and the surrounding external areas will be graded to direct runoff away from the facility. The working floors will be gently sloped so as to direct wash-water to drains that will collect this wash-water (and any other contaminated water) from which point it will be pumped to an above ground storage tank near the southwest corner of the transfer building. This holding tank will be emptied on an as-needed basis and hauled to a TCEQ approved facility for treatment and final disposal.

3. **SPILL CONTROL** - The storage and processing areas of the transfer station will be designed to control and contain spills and contaminated water and prevent it from leaving the facility. The site will also be graded to protect the transfer station from external storm water runoff. The proposed facility will be equipped with multiple portable restrooms for the use of staff and visitors. Wash-water and any other contaminated water from the proposed working floor and dock area will be directed to drains thence pumped to the proposed above ground storage tank. This storage tank will be emptied by vacuum truck on an as-needed basis and its contents transported to a TCEQ approved treatment facility for final disposal. The proposed holding tank will be completed prior to commencement of transfer station operations. The facility will be designed to control and contain a worst case spill or release. No contaminated water will be allowed to pond on the surface or run off as surface drainage. All liquids resulting from the operation of the transfer station will be disposed of in a manner that will not cause surface water or groundwater pollution. Drainage patterns will be minimally affected by this project, so no TPDES permit is required. The transfer station site is located outside of the 100-Year floodplain of Cypress Creek.