

Texas Commission on Environmental Quality
Application for a Medical Waste Registration
Nucore Environmental Services
Registration Number, TBD
Houston, Harris County, Texas

February 28, 2020

[Application Revision Date, if applicable]

Prepared for

Nucore Environmental Services LLC

6410 Long Drive

Houston, Harris County, Texas 77087

Prepared by

Amy Hesseltine, P.E. Project Manager

LNV, LLC

TBPE Firm Registration Number F-366

801 Navigation, Suite 300

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Amy R Hesseltine 2/28/20

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Amy Rein Hesseltnie
2/28/20
TBPE Firm No F-366
LNV, LLC

Section 1—General Information

1.1 Facility Information (must match regulated entity information on Core Data Form)

Facility Name: Nucore Environmental Services, LLC

Regulated Entity Reference No. (if issued): RN-TBD

Physical or Street Address (if available): 6410 Long Drive

City: Houston County: Harris State: TX Zip Code: 77087

(Area Code) Telephone Number: (713) 557-5086

Email Address: rgonzalez@nucoreservices.com

Latitude (Degrees, Minutes, Seconds, or Decimal Degrees): 29 deg 41' 20.9652"

Longitude (Degree, Minutes, Seconds, or Decimal Degrees): -95 deg 18' 46.5192"

Activities Conducted at the Facility (check all that apply)

Storage Treatment Transfer Other: _____

Describe the location of the facility with respect to known or easily identifiable landmarks:

Facility location is south of Loop 610 (South Loop) between Mykawa Rd. and Telephone Rd. Nearest intersection is Long Drive and Weslow Street.

Detail access routes from the nearest United States or state highway to the facility:

From Interstate 45, west on Park Pl Blvd to Long Drive. From Loop 610, either south on Telephone Rd. to Long Dr. or south on S. Wayside Dr. to Long Dr.

1.2 Applicant Information

The owner of a facility is the applicant, to whom the registration would be issued.

Owner of Facility (must match customer information on Core Data Form)

Owner Name: Nucore Environmental Services LLC

Contact Person's Name: Robert Gonzalez Title: CEO

Customer Reference No. (if issued): CN-TBD

Mailing Address: P.O. Box 5357

City: Pasadena County: Harris State: TX Zip Code: 77508

(Area Code) Telephone Number: (713) 557-5086

Email Address: rgonzalez@nucoreservices.com

Operator of Facility (if not the same as Owner of Facility)

Operator Name: Same as Owner

Contact Person's Name: _____ Title: _____

Customer Reference No. (if issued): CN _____

Mailing Address: _____

City: _____ County: _____ State: _____ Zip Code: _____

(Area Code) Telephone Number: _____ Email Address: _____

Consultant (if applicable)

Firm Name: LNV, LLC

Texas Board of Professional Engineers Firm Registration Number: F-366

Contact Person's Name: Amy Hesseltine, P.E. Title: Project Manager

Texas Board of Professional Engineers License Number (if applicable): 93578

Mailing Address: 801 Navigation, Suite 300

City: Corpus Christi County: Nueces State: TX Zip Code: 78408

(Area Code) Telephone Number: (361) 886-1984 Email Address: ahesseltine@lvinc.com

1.3 Governmental Entities Information

Texas Department of Transportation

District: Houston

District Engineer's Name: Eliza Paul, P.E.

Street Address or P.O. Box: P.O. Box 1386

City: Houston County: Harris State: TX Zip Code: 77251

(Area Code) Telephone Number: (713) 802-5000 Email Address: eliza.paul@txdot.gov

Local Government Authority Responsible for Road Maintenance (if applicable)

Agency Name: City of Houston Street and Bridge Maintenance Branch

Contact Person's Name: Walter Hambrick, Assistant Director

Street Address or P.O. Box: 611 Walker

City: Houston County: Harris State: TX Zip Code: 77002

(Area Code) Telephone Number: (832) 395-2500

Email Address: Walter.Hambrick@houstontx.gov

City Mayor

City Name: Houston

City Mayor's Name: Sylvester Turner

Mailing Address: P.O. Box 1562

City: Houston County: Harris State: TX Zip Code: 77251

(Area Code) Telephone Number: (713) 837-0311 Email Address: mayor@houstontx.gov

Council of Governments (COG)

COG Name: Houston-Galveston Area Council

COG Representative's Name: Erin Livingston

COG Representative's Title: Principal Planner

Street Address or P.O. Box: P.O. Box 22777

City: Houston County: Harris State: TX Zip Code: 77227-2777

(Area Code) Telephone Number: (832) 681-2525

Email Address: Erin.Livingston@h-gac.com

Local Government Jurisdiction

Is the facility located outside the territorial limits or extraterritorial jurisdiction of a city or town? (30 TAC §326.67(a)) Yes No

If yes, and county requires a license, you must obtain a license from the county, and the county must send a copy of the license to the appropriate TCEQ regional office.

City Health Authority (if applicable)

Agency Name: Houston Health Department

Contact Person's Name: Stephen L. Williams, Director

Street Address or P.O. Box: 8000 North Stadium Drive

City: Houston County: Harris State: TX Zip Code: 77054

(Area Code) Telephone Number: (832) 393-5169

Email Address: Stephen.Williams@cityofhouston.net

County Judge Information

County Judge's Name: Lina Hidalgo

Street Address or P.O. Box: 1011 Preston, Suite 911

City: Houston County: Harris State: TX Zip Code: 77002

(Area Code) Telephone Number: (713) 274-7000

Email Address: judge.hidalgo@cjo.hctx.net

County Health Authority (if applicable)

Agency Name: Harris County Public Health

Contact Person's Name: Umair A. Shah, MD, MPH

Street Address or P.O. Box: 2223 West Loop South

City: Houston County: Harris State: TX Zip Code: 77027

(Area Code) Telephone Number: (713) 439-6000

Email Address: Umair.Shah@phs.hctx.net

State Representative

House District Number: 29

Representative's Name: Ed Thompson

District Office Address: 2341 N. Galveston Ave, Suite 120

City: Pearland County: Harris State: TX Zip Code: 77581

(Area Code) Telephone Number: (281) 485-6565

Email Address: Ed.Thompson@house.texas.gov

State Senator

Senate District Number: 6

State Senator's Name: Carol Alvarado

District Office Address: 8799 North Loop Frwy. East, Suite 240

City: Houston County: Harris State: TX Zip Code: 77029

(Area Code) Telephone Number: (713) 453-5100

Email Address: carol.alvarado@house.texas.gov

1.4 Posting of Application on Website [30 TAC §326.69(e)]

Provide the web address (URL) of the publicly accessible internet website where the application and all revisions will be posted:
https://www.lnvinc.com/wp-content/uploads/2020/03/NUCORE_Registration-Application-Submittal_February-28-2020.pdf

1.5 Copy of Application for Public Viewing

Name of the Public Place: Houston Public Library

Physical Address: 6767 Belfort Street

City: Houston County: Harris State: TX Zip Code: 77087

(Area Code) Telephone Number: (832) 393-1920

1.6 Notice of Opportunity to Request Public Meeting

Notice Requirement

The owner or operator is required by 30 TAC §326.73 to provide notice of the opportunity to request a public meeting, and to post notice signs.

Indicate the party responsible for publishing notice:

Applicant (Owner or Operator) Consultant

1.7 Application Fee

Indicate how the application fee was paid. Attach a photocopy of the check or a copy of the electronic payment receipt.

Check Online

If paid online, e-Pay confirmation number: 582EA000382498

1.8 Facility Supervisor's License [30 TAC §326.71(c)]

Indicate the type of license that the Solid Waste Facility Supervisor (as defined in 30 TAC Chapter 30), will obtain prior to commencing facility operations:

Class A Class B

Section 2—Facility Design Information

2.1 Impact on Surrounding Area [30 TAC §326.71(a)(5)(A) & (B)]

This section addresses the facility's impacts on cities, communities, groups of property owners, or individuals (attach additional pages to answer the following questions, if necessary):

Describe the character of the surrounding area land uses within one mile of the facility:

The existing development within one mile of the facility is approximately 40% industrial/commercial and 40% single and multi-family residential. The remaining 20% of the existing development consists of office, public and institutional, transportation and utility, park and open spaces, and agricultural production. The City of Houston does not implement zoning. A current land use map was generated based on data obtained from the City of Houston Map Viewer and Houston Land Use Map (see Attachment 3).

Identify growth trends within five miles of the facility with directions of major development:

The area where the facility is located has been developed for decades. New development within 5 miles is generally to the southwest and south.

Indicate the approximate number of residences and other uses (e.g. schools, churches, cemeteries, historic structures and commercial sites, etc.) within one mile of the facility:

Located within one mile of the facility are approximately 180 residential lots, approximately 256 commercial tracts, 4 recreational areas, 8 churches, 2 day cares, and 5 schools. There are no hospitals, cemeteries, historic structures or major ponds or lakes within one mile of the facility.

Indicate the distance to the nearest residence(s): 725 feet miles

Provide directions to the nearest residence(s): West

Indicate the distance to the nearest commercial establishment(s): 5 feet miles

Provide directions to the nearest commercial establishment(s):

The nearest commercial establishment is the American Water System site adjacent to the southeast property boundary.

2.2 Transportation [30 TAC §326.71(e)]

Access Roads

Complete Table 1 regarding the roads that will be used to access the site.

Table 1. Roads That Will be Used to Access the Site.

Name of Road	Surface Type and Number of Lanes
Long Drive	Asphalt, 4 lane divided
Loop 610	Concrete, 8 lane divided
Highway 45	Concrete, 8 lane divided
Telephone Road	Asphalt, 4 lane
S. Wayside Drive	Concrete, 4 lane divided

Daily Traffic Volume

Complete Table 2 regarding existing and expected volume of vehicular traffic on access roads within one mile of the facility, and the projected volume of traffic expected to be generated by the facility on access roads within one mile of the facility.

Table 2. Traffic Volume.

Vehicle Traffic	Volume (vehicles per day)
Existing Vehicle Traffic	11,283
Expected Vehicle Traffic	11,923
Projected Vehicle Traffic Generated by Facility	30

Describe the source of or method used to obtain the volumes (attach additional pages to answer this question if necessary):

Existing traffic count obtained from Houston Regional Traffic Count Map; 24 hour traffic volume location: 6399 Long Drive. Expected traffic is based regional traffic data collected by the Houston-Galveston Area COG for Long Drive.

If traffic volume was determined by counts in the field, indicate the locations where the counts were conducted (attach additional pages to answer this question if necessary):

Houston Regional Traffic Count Map lists 6399 Long Drive as the location for the 24 hour traffic volume. The location for the data collected the HGAC is on Long Dr. just west of Telephone Rd.

2.3 Floodplain and Wetlands [30 TAC §326.71(f)]

Will the facility be located within a 100-year floodplain?

Yes No Identify the floodplain zone Zone X - Area of Minimal Flood Hazard

Attach a copy of the Federal Emergency Management Administration administrator (FEMA) flood map for the area. Map provided in Attachment 10.

If the facility will be within a 100-year floodplain, attach documentation demonstrating that the facility is designed and will be operated in a manner to prevent washout of waste during a 100-year storm event, or that the facility has obtained a conditional letter of map amendment from the FEMA.

Will the facility be located in wetlands?

Yes No

If yes, attach documentation to the extent required under Clean Water Act, §404 or applicable state wetlands laws.

2.4 Buffer Zones and Easement Protection [30 TAC §326.71(h)(3)]

Is the buffer zone in any location at the facility less than 25 feet wide?

Yes No

If yes, describe your alternative buffer zone and how it will allow access for emergency response and maintenance (attach additional pages to answer this question if necessary):

A 25 ft buffer will be maintained everywhere except where the existing buildings are located closer than 25 ft to the registration boundary. The waste processing building is approximately 13 ft from the southern registration boundary along Mayfair Boulevard. The warehouse building is approximately 10 ft from the southern and western registration boundaries. Therefore, alternative buffers will be maintained along portions of the southern and western boundaries coinciding with the distance between the registration boundary and the existing buildings. Refer to Facility Access and Facility Layout Map in Attachment 2 for locations and distances of alternative buffers.

Since the alternative buffers coincide with the location of the existing building, the alternative buffers do not impose additional limitations to access. There are six access points (gates) to the facility for emergency response and maintenance. The facility will be managed to not allow materials to be stored in a manner that would block access through the gates.

The Facility Access and Facility Layout Map in Attachment 2 also shows the locations of easements within the registration boundary. No solid waste loading/unloading, transfer, storage, or processing operations will occur within the buffer zone or any easement or right-of-way that crosses the registration boundary. Waste storage in a refrigerated transport vehicle(s) parked in the buffer zone, an easement or a right-of-way, however, is allowable.

2.5 Waste Management Unit Designs [30 TAC §326.71(i)]

Waste Management Unit Details

List each waste management unit in Table 3. Include attachments documenting manufacturer specifications.

Table 3. Design Details and Manufacturer Specifications for Waste Management Units.

Unit Type	Minimum Number of Units	Design Details	Approximate Dimensions	Approximate Capacity per Unit
Autoclave* (and associated boiler)	1 unit minimum (up to 2 units)	See Attachment 14	5 ft diameter by 24 ft long	1,875 lb/hr
Compactor	1 unit minimum (up to 2 units)	Typical self contained compactor	8 ft Wide; 23 ft Long; 8.75 ft High	Up to 40 cubic yards
Roll-offs	1 (varies)	Typical steel roll-off containers	8 ft Wide; 23 ft Long; up to 8.5 ft High	Up to 40 cubic yards
Refrigeration Units	1 (varies)	Typical refrigerated truck/trailer	8 ft Wide; 9 ft Tall; up to 53 ft Long	60 to 130 cubic yards
Cardboard Baler**	1	See Attachment 14	7.5 ft wide; 3.5 ft deep; 11.5 ft high	50 cubic feet
Paper Shredder**	1	See Attachment 14	18 ft long; 9 ft wide; 8.75 ft high	2.6 cy/batch

*Initially, one autoclave will be installed. A second autoclave may be added in the future.

**Cardboard Baler and paper shredder equipment will not be purchased and installed at the facility initially. This equipment will be added at a later time.

Foundations and Supports

Provide a generalized description of construction materials for slab and subsurface supports of all storage and processing components (attach additional pages to answer this question if necessary):

The waste processing building is supported on a reinforced concrete slab on grade foundation capable of supporting the building and the processing and waste storage units. The waste

processing units will be installed on the existing slab-on-grade building foundation. No additional foundation reinforcement will be required to support the equipment.

Contaminated Water Management

Describe how storage and processing areas will be designed to control and contain spills and prevent contaminated water from leaving the facility. For unenclosed containment areas, also account for precipitation from a 25-year, 24-hour storm (attach additional pages to answer this question if necessary):

Waste processing units are located in the enclosed waste processing building which is capable of controlling and containing worst case spills or releases and contaminated water from leaving the facility. All contaminated process water or spills will be collected and placed into the processing unit or discharged to the sanitary sewer via sink and floor drains in the processing building. Any untreated waste stored outside of the enclosed building will be contained inside of leak proof transport vehicles which are capable of containing any spills and preventing storm water from contacting the waste.

Storage of medical waste will be in a secure manner and location that affords protection from theft, vandalism, inadvertent human or animal exposure, rain, water, and wind. The waste will be managed so as not to provide a breeding place or food for insects or rodents, and not generate noxious odors.

2.6 Treatment Requirements [30 TAC §326.71(j)]

Attach a written procedure for the operation and testing of any equipment used, and for the preparation of any chemicals used in treatment. Procedures provided in Attachment 7.

Section 3—Facility Closure

3.1 Closure Plan [30 TAC §326.71(k)]

The operator must comply with the closure requirements listed in 30 TAC §326.71(k).

List other activities that the facility will conduct during closure, if any (attach additional pages to answer this question if necessary):

Upon closure, the owner or operator will remove all waste, waste residue, and any recovered materials. All facility units will be decontaminated, dismantled and removed off-site. The owner or operator will transport all untreated medical waste to a TCEQ authorized facility and disinfect all receiving, processing and post-processing areas. Final disposition of treated medical waste will be at an authorized facility. Closure of the facility must be completed within 180 days following last acceptance of processed or unprocessed materials unless otherwise directed or approved in writing by the executive director.

No later than 90 days prior to the initiation of final facility closure, the owner or operator will, through a public notice in the newspaper(s) of largest circulation in the vicinity of the facility, provide public notice for final facility closure. This notice will provide the name, address, and physical location of the facility; the registration number; and the last date of intended receipt

of waste. The owner or operator will also make available an adequate number of copies of the approved final closure plan for public access and review. The owner or operator will also provide written notification to the executive director of the intent to close the facility and place the notice of intent in the site operating record.

Upon notification to the executive director of the intent to close the site, the owner or operator will post a minimum of one sign at the main entrance and all other frequently used points of access for the facility notifying all persons who may utilize the facility or site of the date of closing for the entire facility or site and the prohibition against further receipt of waste materials after the stated date. Further, suitable barriers will be installed at all gates or access points to adequately prevent the unauthorized dumping of solid waste at the closed facility.

Within 10 days after completion of final closure activities of the facility, the owner or operator shall submit to the executive director by registered mail a certification, signed by an independent licensed professional engineer, verifying final closure has been completed in accordance with the approved closure plan. The submittal to the executive director will include all applicable documentation necessary for the certification of final facility closure. Upon closure of the facility, the owner or operator will request a voluntary revocation of the registration.

3.2 Closure Cost Estimate [30 TAC §326.71(m)]

Provide itemized closure cost estimates in Table 4. The cost estimates must meet the requirements listed in 30 TAC §326.71(m).

Attach documents detailing any additional unit closure costs not itemized. Enter the total of those additional unit closure costs on line 13 of the closure cost worksheet in Table 4.

Table 4. Closure Cost Estimates Worksheet.

Item No.	Item Description	Unit of Measurement	Quantity	Unit Cost	Total Cost
1	Site Evaluation and Engineering Review	NA	1	\$1200	\$1200
2	Bid Document and Procurement	NA	1	\$2400	\$2400
3	Contract Award and Administration	NA	1	\$1200	\$1200
4	Clean-Up, Removal and Transport of Waste Stored On-Site	NA	1	\$2400	\$2400
5	Disposal of Waste at an Authorized Facility	Tons	50	\$35	\$1750
6	Waste Treatment	Tons	50	\$360	\$18000
7	Process Units Dismantling	NA	1	\$2400	\$2400
8	Wash Down and Disinfection of Facility and Processing Units	NA	1	\$2400	\$2400
9	Vector Control	NA	1	\$200	\$200
10	Site Security	NA	1	\$200	\$200
11	Signs, Newspaper Notice and TCEQ Notice	NA	1	\$2000	\$2000
12	Facility Inspection and Closure Certification by Licensed Engineer	NA	1	\$3000	\$3000
13	Additional Storage and Processing Unit Closure Cost Items (describe in attachments)	Identify Attachments	NA	NA	\$0
14	Storage and Processing Unit Closure Costs Subtotal	NA	NA	NA	\$32350
15	Contingency Cost 10%	NA	NA	NA	\$3235
16	Total Closure Cost Estimate	NA	NA	NA	\$35585

Section 4—Site Operating Plan

4.1 General [30 TAC §326.75(a)]

Provide the function and minimum qualifications for each category of key personnel to be employed at the facility including supervisory personnel in the chain of command (attach additional pages to answer this question if necessary):

The facility will be under the overall direction of the owner and/or operator or other such person as may be appointed. On-site daily operations will be under the supervision of a facility manager. Below are descriptions of functions and minimum qualifications for each category of key personnel to be employed at the facility.

Facility Manager – Functions: managing employees and facility operations, maintaining compliance with the facility’s registration and all applicable regulations, maintaining the operating record in accordance with the registration, and employee training. Minimum qualifications: knowledge of applicable regulations, knowledge of facility’s registration and site operating plan, knowledge of the processing unit, and management experience. Facility Manager reports to owner/operator.

Waste Handler – Functions: inspection of incoming loads and accompanying documentation, supervision of the receiving floor and the loading/unloading of transport vehicles, operation of the processing unit(s), completion of all necessary logging and reporting documents, and disinfection of reusable carts/containers. Minimum qualifications: knowledge of facility’s site operating plan, and knowledge of processing unit. Equipment operator(s) report to the facility manager.

Driver – Functions: collecting and transporting waste to the facility, maintaining required documentation, loading/unloading transport vehicle and assisting the equipment operator as needed. Minimum qualifications: knowledge of regulations relating to transportation of medical waste, and have a valid Driver’s License or a Commercial Driver’s License (CDL), if applicable. A driver may not be stationed at the facility, but will report to the facility manager and/or equipment operator when on-site.

Describe the procedures that the operating personnel will follow for the detection and prevention regarding the receipt of prohibited wastes, including random inspections of packaging of incoming loads, records, and training (attach additional pages to answer this question if necessary):

Procedures used to identify prohibited waste include random inspections packaging of incoming waste and accompanying manifests/shipping documents by trained employees. Random visual inspections of packaging for incoming waste containers will be conducted a minimum of once per week to verify proper markings have been placed on all containers of waste. The facility manager or designee will determine when to conduct the inspections.

Safety precautions and personal protective equipment will be part of the random inspection process to allow for safe inspections. Personnel conducting the inspections will wear personal protective equipment that is appropriate for the waste being inspected. The facility manager may provide recommendations for additional precautions to be taken during the inspection.

If a waste is not readily identifiable, the inspector will contact the facility manager or designee who will attempt to determine if the waste is acceptable for receipt at the facility by: 1) reviewing paperwork (e.g., manifests, trip tickets, SDS sheets), 2) questioning the transporter about the origin of the waste, 3) contacting the generator, and/or 4) using knowledge based on container packaging labels. During this identification process, the waste will not be authorized for receipt but, instead, be isolated until the waste can be adequately identified.

Any unauthorized waste discovered during inspections will be handled in accordance with section §326.75(h)(3) below relating to prohibition on incoming waste streams.

Operational staff will receive training on random inspection guidelines. All training records and inspection records, will be maintained in the site operating record.

4.2 Waste Acceptance [30 TAC §326.75(b)]

Describe all sources and characteristics of medical wastes to be received for storage and processing or disposal (attach additional pages to answer this question if necessary):

The facility will receive, transfer, store, and process medical waste as defined in §326.3(23), non-hazardous pharmaceuticals, and confidential documents.

Untreated medical waste will be managed in accordance with 25 TAC Subchapter K and 30 TAC Chapter 326. Untreated medical waste may be temporarily stored at the facility unrefrigerated for up to 72 hours after receipt at the facility. Untreated medical waste held longer than 72 hours after receipt at the facility will be stored at a temperature of 45 degrees Fahrenheit or less.

Non-hazardous trace chemotherapeutic waste and pathological waste will not be treated at this facility, but will be accepted for temporary storage and transfer to an appropriately permitted/registered facility for treatment.

Sources of waste streams include hospitals, clinics, nursing homes, and other health care related facilities. Regulated medical waste will be received in approved Federal and State required packaging.

In addition, the facility may accept regulated garbage as defined by the Animal and Plant Health Inspection Services (APHIS) of the United States Department of Agriculture. Prior to accepting APHIS wastes, the facility will seek approval from the Administrator of APHIS. The facility will obtain authorization from the Drug Enforcement Administration (DEA) prior to accepting any controlled substances.

The facility will not accept regulated hazardous wastes.

Describe the sources and characteristics of recyclable materials, if applicable, to be received for storage and processing (attach additional pages to answer this question if necessary):

Acceptable source separated recyclables include confidential documents, cardboard, and plastic containers. These waste streams will be received from off-site sources such as hospitals, clinics, nursing homes, and other health care related facilities. Confidential documents may be shredded and recycled. Cardboard boxes may be baled and recycled. Plastic containers such as sharps containers will be pressure washed and returned to generator for reuse.

Maximum amount of waste to be received daily: 50 pounds/day tons /day

Maximum amount of waste to be stored at any point in time: 50 pounds tons

Maximum length of time waste is to remain at the facility: 30 hours days

Specify the maximum time that unprocessed and processed wastes will be allowed to remain on-site:

Processed: 10 hours days

Unprocessed: 30 hours days

Identify the intended disposition of processed and unprocessed waste received at the facility (attach additional pages to answer this question if necessary):

Untreated medical waste will be managed in accordance with 25 TAC Subchapter K and 30 TAC Chapter 326. Untreated medical waste may be temporarily stored at the site unrefrigerated for a time period not to exceed 72 hours. After 72 hours, the untreated medical waste will be stored at a temperature of 45 degrees Fahrenheit or less.

Once treated, the steam sterilized waste will be placed in roll-off containers for disposal at an approved landfill in accordance with 25 TAC §1.136 and 30 TAC §326.75(r).

Pathological waste and non-hazardous trace chemotherapeutic waste received at the facility may be stored prior to transferring off-site to an approved MSW facility able to receive the waste.

Any unauthorized waste discovered during inspections will be handled in accordance with section §326.75(h)(3) below relating to prohibition on incoming waste streams.

4.3 Generated Waste [30 TAC §326.75(c)]

Describe how all liquids and solid waste resulting from the facility operations will be disposed of in a manner that will not cause surface water and groundwater pollution (attach additional pages to answer this question if necessary):

All liquids resulting from the facility operations will be disposed of in a manner that will not cause surface water or groundwater pollution.

Working surfaces, including containers, that have come in contact with untreated medical waste will be cleaned and/or sanitized. Wash water resulting from routine cleaning and sanitizing activities will be collected and either placed into the treatment unit or discharged to the City of Houston sanitary sewer system. Condensate from the autoclave system will also be discharged to the City of Houston sanitary sewer system. Management of discharges will be in accordance with local requirements and all necessary authorizations and approvals will be obtained and retained within the operating record at the site.

Waters not generated from the sanitation of surfaces in contact with untreated medical waste (i.e. water from restroom, office area) will be discharged to the City of Houston sanitary sewer system. A discharge permit is not required for this type of discharge.

Solid wastes generated by the facility are characterized as municipal solid waste. Municipal solid wastes generated by the facility can be adequately managed by TCEQ approved MSW landfills.

Solid wastes treated at the facility are characterized as treated medical waste and treated Animal and Plant Health Inspection Services (APHIS) waste. Solid wastes treated at the facility can be adequately managed by TCEQ or other appropriate agency approved MSW facilities. All treated waste will be disposed at a TCEQ approved MSW landfill.

Waste will be stored inside the enclosed building, an enclosed transport vehicle/trailer or covered roll-off container outside of the building. Since waste will be stored under cover, contaminated water resulting from contact with untreated medical waste is not anticipated unless a spill occurs. In the event of a spill, the waste will be collected and placed into the treatment unit. Any contaminated water generated from contact with untreated medical waste resulting from a spill will be absorbed (i.e. with cloth or paper towel) or collected (i.e. with mop and bucket), managed as untreated medical waste, and placed into the treatment unit.

Contaminated water can be properly managed without collection units (i.e. storage tanks and/or lined units). No contaminated water will be discharged off-site without specific written authorization.

4.4 Access Control [30 TAC §326.75(g)]

Describe how public access to the facility will be controlled (attach additional pages to answer this question if necessary):

Public access to the facility will be controlled by a minimum four (4) foot tall perimeter fence topped with barbed wire and lockable entrance gates and buildings with lockable doors.

A section in the northeast corner of the property used for employee parking is not fenced. Waste storage and processing will not occur outdoors in unfenced areas. Waste storage will occur within an enclosed transport vehicle or inside the enclosed waste processing building. The buildings and transport vehicles will have lockable doors which will be closed and locked when not in use. The operating area is located within an enclosed building with lockable doors. A trained employee shall be on-site during operating hours.

Describe how access roads and parking areas will be maintained to control dust and prevent mud from being track off-site (attach additional pages to answer this question if necessary):

Public roads used by transport vehicles to access the facility are paved. Access roads and parking areas within the facility are also paved. Dust and mud are not anticipated due to the access roads and on-site parking areas being paved. In the event there is a problem related to windblown dust, water will be used to control windblown dust. Within the facility, a standard garden hose connected to an on-site water source may be sufficient to apply water.

The facility entrance is a concrete paved two-lane entrance, designed for the expected traffic flow. Adequate turning radii for transport vehicles that will utilize the facility is available to avoid disruption of normal traffic patterns. On-site driving and parking areas are concrete and/or asphalt paved. Parking will be provided for transport vehicles, employees and visitors.

Incoming waste will be off loaded directly into the facility building or into another transfer vehicle/trailer, therefore safety bumpers will not be provided.

Access to the facility will be controlled by a perimeter fence, with lockable gates. Identify or describe the type of fence that will be installed at the facility:

A four-foot-high barbed wire fence;

A six-foot-high chain-link fence; or

Other: _____

4.5 Operating Hours [(30 TAC §326.75(i)]

Provide the operating hours of the facility; ***include justification for hours outside of 7:00 a.m. to 7:00 p.m., Monday through Friday:***

Waste acceptance and transfer hours for waste transportation vehicles is 24 hours a day, seven days a week. Waste processing hours is 24 hours per day, seven days per week. The facility may conduct operations for maintenance and housekeeping, as needed, 24 hours per day, seven days per week. Additional operating hours outside of 7 am to 7 pm, Monday through Friday are necessary to accommodate customer and business needs.

List the alternative operating hours, if any, of up to five days in a calendar-year period:

The need for alternative operating hours for special occasions, special purpose events, holidays, or other special occurrences is not anticipated.

Section 5—Other Site Operating Plan, Financial Assurance, and Closure Requirements

Attach additional pages describing how the facility will comply with the following requirements.

- 30 TAC §326.75(d), Storage
- 30 TAC §326.75(e), Recordkeeping and Reporting
- 30 TAC §326.75(f), Fire protection Plan
- 30 TAC §326.75(g)(2), Access Roads, Vehicle Parking, and Safety Measures
- 30 TAC §326.75(g), Access Control
- 30 TAC §326.75(h), Unloading of Waste
- 30 TAC §326.75(i)(3), Recording of Applicable Alternative Hours (if used)
- 30 TAC §326.75(j), Signs at Facility Entrances
- 30 TAC §326.75(k), Control of Windblown Material and Litter
- 30 TAC §326.75(l), Facility Access Roads
- 30 TAC §326.75(m), Noise Pollution and Visual Screening
- 30 TAC §326.75(n), Overloading and Breakdown
- 30 TAC §326.75(o), Sanitation
- 30 TAC §326.75(p), Ventilation and Air Pollution Control
- 30 TAC §326.75(q), Health and Safety
- 30 TAC §326.75(r), Disposal of Treated Medical Waste (if applicable)
- 30 TAC §326.71(n); Financial Assurance
- 30 TAC §326.71(l)(1); provide notice for final facility closure and information for the public and executive director no later than 90 days prior to initiating final closure.
- 30 TAC §326.71(l)(2); install signs and barriers upon notification of final closure to the executive director.
- 30 TAC §326.71(l)(3); provide certification of closure, and a request for voluntary revocation of facility registration within 10 days after completion of final closure of the facility.

Section 6—Applicant Certification and Signature

The applicant is the person or entity who would be the owner of the facility and in whose name the registration would be issued. If the application is signed by an authorized representative for the applicant, the applicant must complete the delegation of signature authority.

Certification by Applicant or Authorized Signatory [30 TAC §305.44]

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name of applicant, or other person authorized to sign: Robert Gonzalez

Title of person signing: CEO

Signature: [Handwritten Signature] Date: March 2, 2020

Notarization

SUBSCRIBED AND SWORN to before me by the said Robert Gonzalez

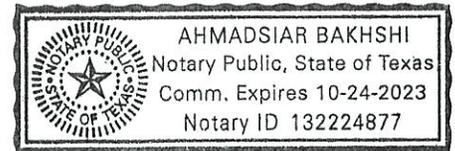
On this 02 day of March, 2020.

My commission expires on the 23 day of October, 2020.

Ahmadsiar Bakhshi

Notary Public in and for

Dallas County, Texas



Applicant's Delegation of Signature Authority [30 TAC §305.43]

I hereby delegate the person named below as my representative and hereby authorize said representative to sign any application, submit additional information as may be requested by the Commission; and appear for me at any hearing or before the Commission in conjunction with this request for a Texas Water Code or Texas Solid Waste Disposal Act permit. I further understand that I am responsible for the contents of this application, for oral statements given by my authorized representative in support of the application, and for compliance with the terms and conditions of any permit which might be issued based upon this application.

Name of applicant's representative: _____

Name of person who is the applicant, or officer or official representing corporation or public agency that is the applicant: _____

Signature: _____ Date: _____

Notarization

SUBSCRIBED AND SWORN to before me by the said _____

On this _____ day of _____, _____.

My commission expires on the _____ day of _____, _____.

Notary Public in and for

_____ County, Texas

Section 7—Property Owner Affidavit

Affidavit [30 TAC §326.71(b)]

This section must be completed by the owner of the property on which the facility would be located.

I am the owner of the land on which the proposed facility would be located. I acknowledge that the State of Texas may hold me either jointly or severally responsible for the operation, maintenance, and closure of the facility. I further acknowledge that the facility owner or operator and the State of Texas shall have access to the property during the active life and after closure for the purpose of inspection and maintenance.

Property owner name: George M. Turner

Signature: George M Turner Date: 12-3-19

Notarization

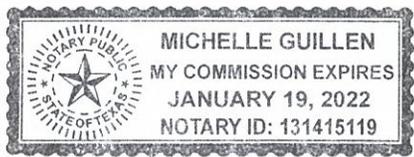
SUBSCRIBED AND SWORN to before me by the said George M. Turner

On this 3 day of December, 2019.

My commission expires on the 19 day of January, 2022.

Michelle Guillen

Notary Public in and for Harris County, Texas



Attachments

Table Att-1. Required Attachments

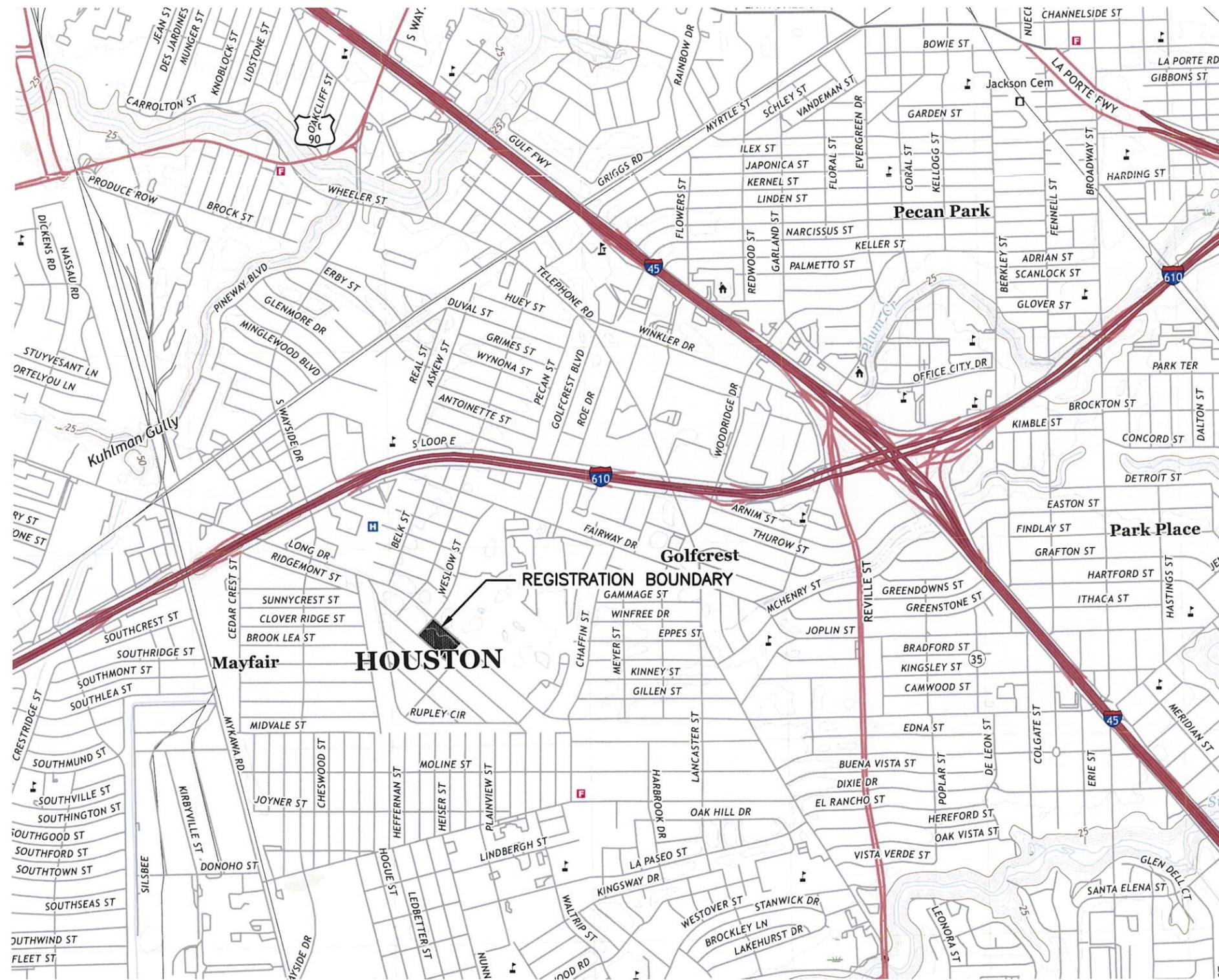
Attachments	Attachment No.
General Location Map	1
Facility Access Map	2
Facility Layout Map	2
Land Use Map	3
Land Ownership Map	4
Land Ownership List	4
Land Ownership Hard Copy and Electronic Mailing List or Mailing Labels	4
Metes and Bounds Drawing and Description	5
Copy of Authorization to Discharge Wastewater to a Treatment Facility	N/A
Process Flow Diagrams and Narrative	6
Procedures for Operation and Testing of Treatment Equipment, if applicable	7
Procedures for Preparation of any Chemical used in Treatment, if applicable	N/A
Verification of Legal Status	8
Texas Department of Transportation Coordination Letters	9
Entity Exercising Maintenance Responsibility of Public Roadway, if applicable	N/A
FEMA Map	10
<input type="checkbox"/> Facility Design Demonstration for Flood Management, or <input type="checkbox"/> Conditional Letter of Map Amendment from FEMA, if applicable	N/A
Wetland Documentation, if applicable	N/A
Council of Governments Review Request Coordination Letters	11

Table Att-2. Additional Attachments; check all that apply.

Attachments	Attachment No.
<input checked="" type="checkbox"/> TCEQ Core Data Form(s)	12
<input checked="" type="checkbox"/> Fee Receipt or copy of check	13
<input type="checkbox"/> Published Zoning Map	N/A
<input type="checkbox"/> Delegation of Signatory Authority	N/A
<input checked="" type="checkbox"/> Manufacturer Specifications for Waste Management Units	14
<input type="checkbox"/> Additional Storage and Processing Unit Closure Cost Items	N/A
<input type="checkbox"/> Confidential Documents	N/A
Other Site Operating Plan, Financial Assurance, and Closure Requirement	15

ATTACHMENT 1

GENERAL LOCATION MAP



LEGEND:

 **REGISTRATION BOUNDARY**



Amy Rein Hesseltnie

**NU CORE ENVIRONMENT SERVICES
 HOUSTON, TEXAS**

**GENERAL LOCATION MAP
 ATTACHMENT 1**

LNV TBPE FIRM NO. F-366
 TBPLS FIRM NO. 10126500

engineers | architects | surveyors
 801 NAVIGATION, SUITE 300 PH. (361) 883-1984
 CORPUS CHRISTI, TX 78408 FAX (361) 883-1986
 WWW.LNVINC.COM

DATE:	02/28/2020
DRAWN BY:	SCG
CHECKED BY:	AH
APPROVED BY:	AH
JOB NO:	190177

REVISIONS		
DATE	NO.	DESCRIPTION
-	-	-
-	-	-
-	-	-



GENERAL LOCATION MAP



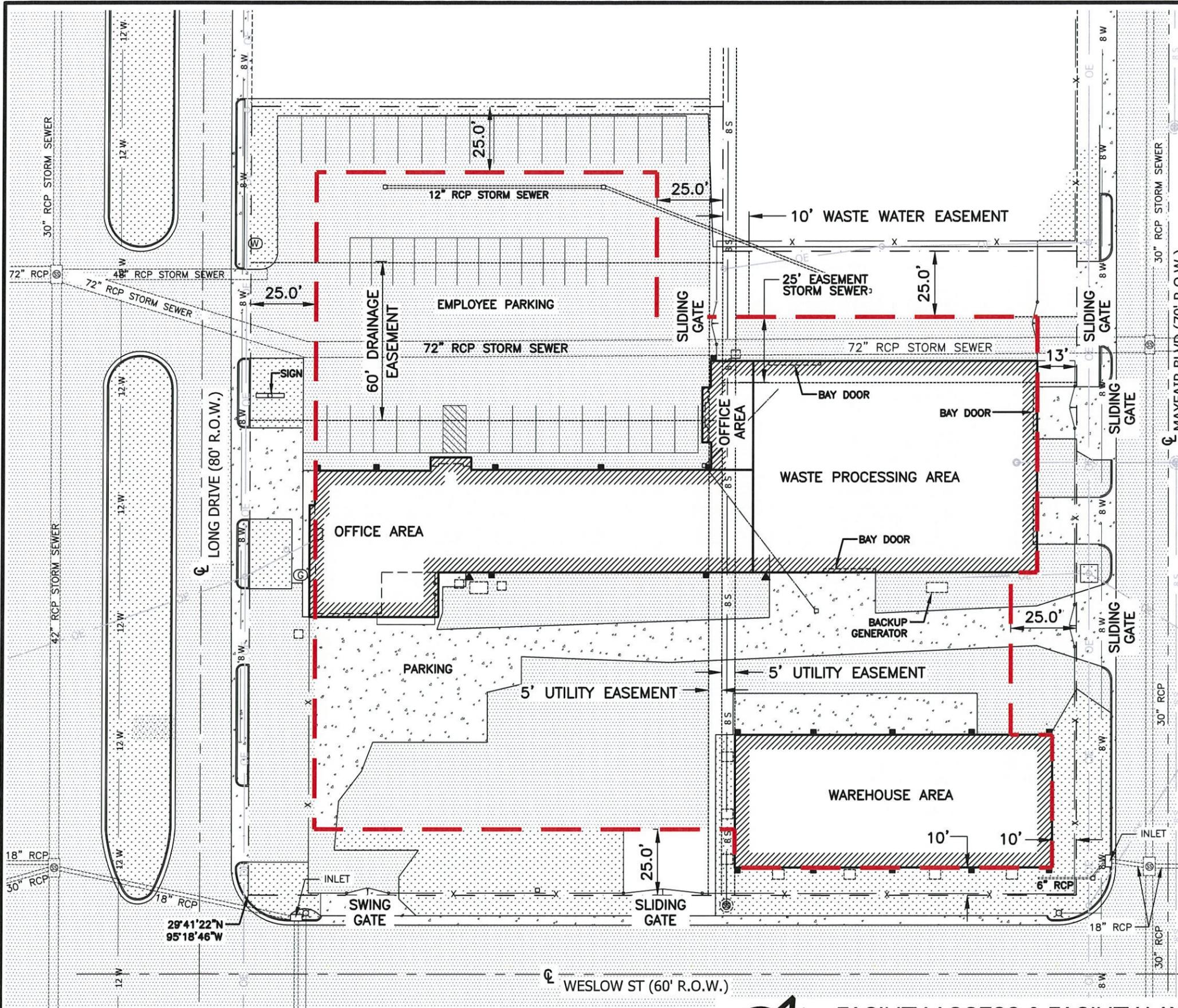
NOTES:

MAP PREPARED FROM:
 USGS 7.5 MINUTE SERIES
 TOPOGRAPHIC MAP
 PARK PLACE QUADRANGLE
 HOUSTON, TEXAS - 2019
 MAP SCALE 1:24,000 (1"=2000')

ATTACHMENT 2

FACILITY ACCESS AND LAYOUT MAP

U:\Core Marine Services Inc\190177 Medical Waste Reg\000\20-Drawings\Exhibits-Imagery\190177 Exhibit Facility Layout Map - Att 2 - Figure 1.dwg
 Monday March 02, 2020, 10:50am



- LEGEND**
- x — x — FENCE
 - — — — REGISTRATION/PROPERTY BOUNDARY
 - — — — CURBING
 - — — — STORM SEWER
 - OE — OVERHEAD ELECTRICAL
 - o WOODEN POWER POLE
 - 2 W — WATER LINE & SIZE
 - 8 S — WASTE WATER & SIZE
 - ⊙ MANHOLE
 - ▨ ASPHALT PAVED
 - ▤ GRASSED AREA
 - ▥ CONCRETE AREA
 - — — — BUFFER ZONE
 - ▲ WATER SPIGOT
 - DRAINAGE DOWN SPOUT
 - STORM SEWER GRATE INLET
 - ⊙ GAS METER
 - ⊙ WATER METER
 - ⊙ FIRE HYDRANT



02/28/2020
Amy Hesseltn

**NU CORE ENVIRONMENT SERVICES
 HOUSTON, TEXAS**

**FACILITY ACCESS
 AND
 FACILITY LAYOUT MAP
 ATTACHMENT 2, FIGURE 1**

LNV TBPE FIRM NO. F-366
 TBPLS FIRM NO. 10126500
 engineers | architects | surveyors
 801 NAVIGATION, SUITE 300 PH. (361) 883-1984
 CORPUS CHRISTI, TX 78408 FAX (361) 883-1986
 WWW.LNVINC.COM

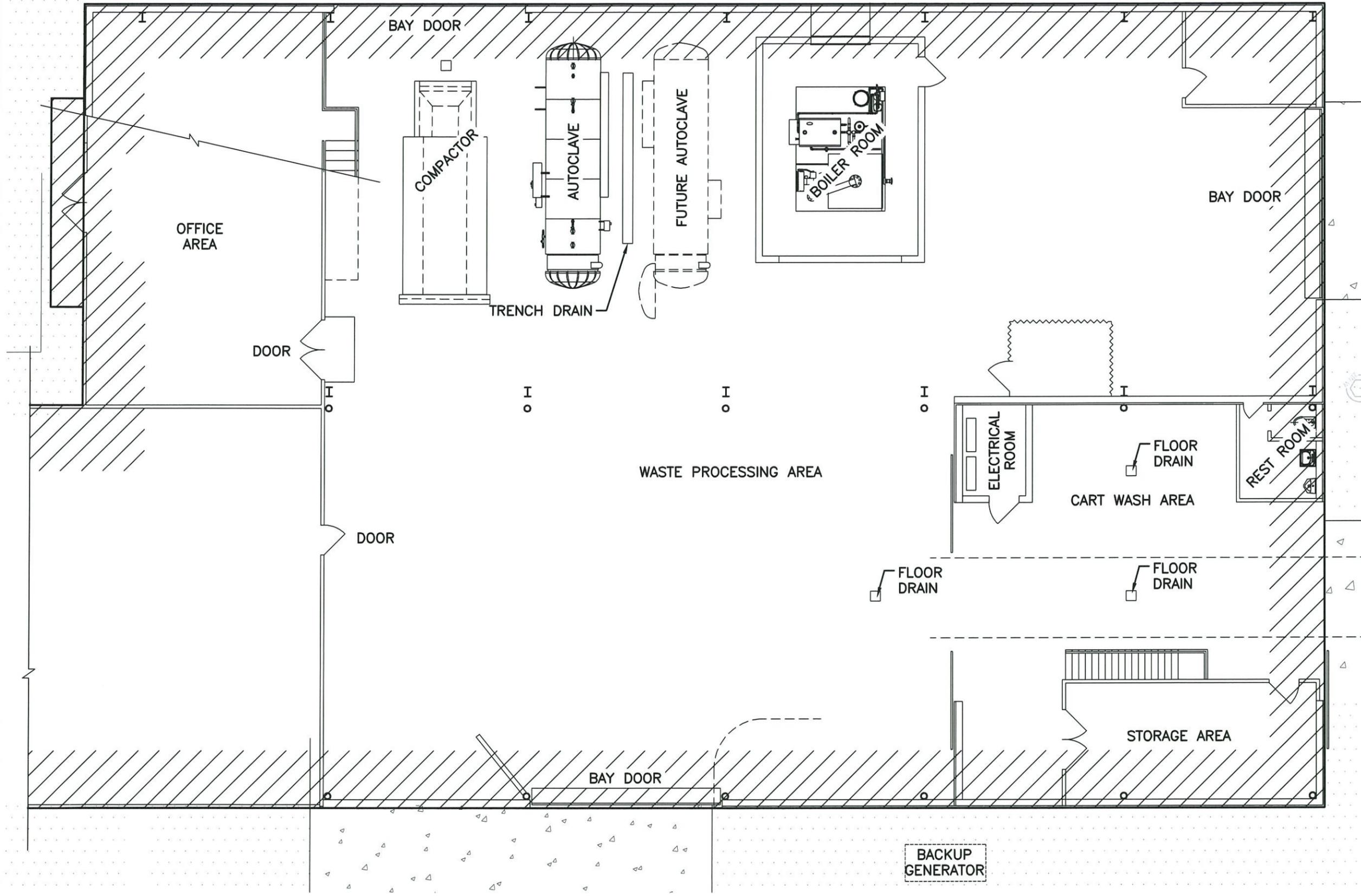
DATE:	02/28/2020
DRAWN BY:	SCG
CHECKED BY:	AH
APPROVED BY:	AH
JOB NO:	190177

REVISIONS		
DATE	NO.	DESCRIPTION

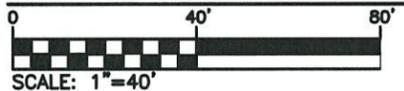


FACILITY ACCESS & FACILITY LAYOUT MAP LOCATION MAP
 SCALE: 1"=40'

U:\Core Marine Services Inc\190177 Medical Waste Reg\000\20-Drawings\Exhibits-Imagery\190177 - Exhibit Waste Processing Equipment layout - Att. 2 - Figure 2.dwg
 Wednesday March 04, 2020, 11:44am



WASTE PROCESSING EQUIPMENT LAYOUT



Amy Rein Hesseltn
 02/28/2020

**NU CORE ENVIRONMENT SERVICES
 HOUSTON, TEXAS**

**WASTE PROCESSING
 EQUIPMENT LAYOUT
 ATTACHMENT 2, FIGURE 2**

LNV TBPE FIRM NO. F-366
 TBPLS FIRM NO. 10128500
 engineers | architects | surveyors
 801 NAVIGATION, SUITE 300 PH. (361) 883-1984
 CORPUS CHRISTI, TX 78408 FAX (361) 883-1986
 WWW.LNVINC.COM

DATE:	02/28/2020
DRAWN BY:	SCG
CHECKED BY:	AH
APPROVED BY:	AH
JOB NO:	190177

REVISIONS		
DATE	NO.	DESCRIPTION

ATTACHMENT 3

LAND USE MAP

U:\Core Marine Services Inc\190177 Medical Waste Reg\000\20-Drawings\Exhibits-Imagery\190177 - Exhibit Land Use Map - ATT 3.dwg
 Monday March 02, 2020, 8:56am



LEGEND:

- 1 MILE RADIUS FROM REGISTRATION BOUNDARY
- CITY LIMITS
- CREEK/BAYOU/WATERWAY
- REGISTRATION BOUNDARY

- = INDUSTRIAL
- = SINGLE FAMILY RESIDENTIAL
- = MULTIFAMILY RESIDENTIAL
- = COMMERCIAL
- = AGRICULTURAL
- = SCHOOL
- = PARK
- = CHURCH
- = DAY CARE

NOTES:

1. MAP DERIVED FROM GOOGLE EARTH (IMAGERY DATE: 12/03/2018)
2. DATA FROM CITY OF HOUSTON MAP VIEWER AND HOUSTON LAND USE MAP ON DECEMBER 23, 2019
3. HOUSTON DOES NOT HAVE FORMAL ZONING.



LAND USE MAP

SCALE: 1"=1200'
 0 1200' 2400'



Amy Rein Hesseltn

**NUCORE ENVIRONMENTAL SERVICES
 HOUSTON, TEXAS**

**LAND USE MAP
 ATTACHMENT 3**

LNV TBPE FIRM NO. F-366
 TBPLS FIRM NO. 10126500
 engineers | architects | surveyors
 801 NAVIGATION, SUITE 300 PH. (361) 883-1984
 CORPUS CHRISTI, TX 78408 FAX (361) 883-1986
 WWW.LNVINC.COM

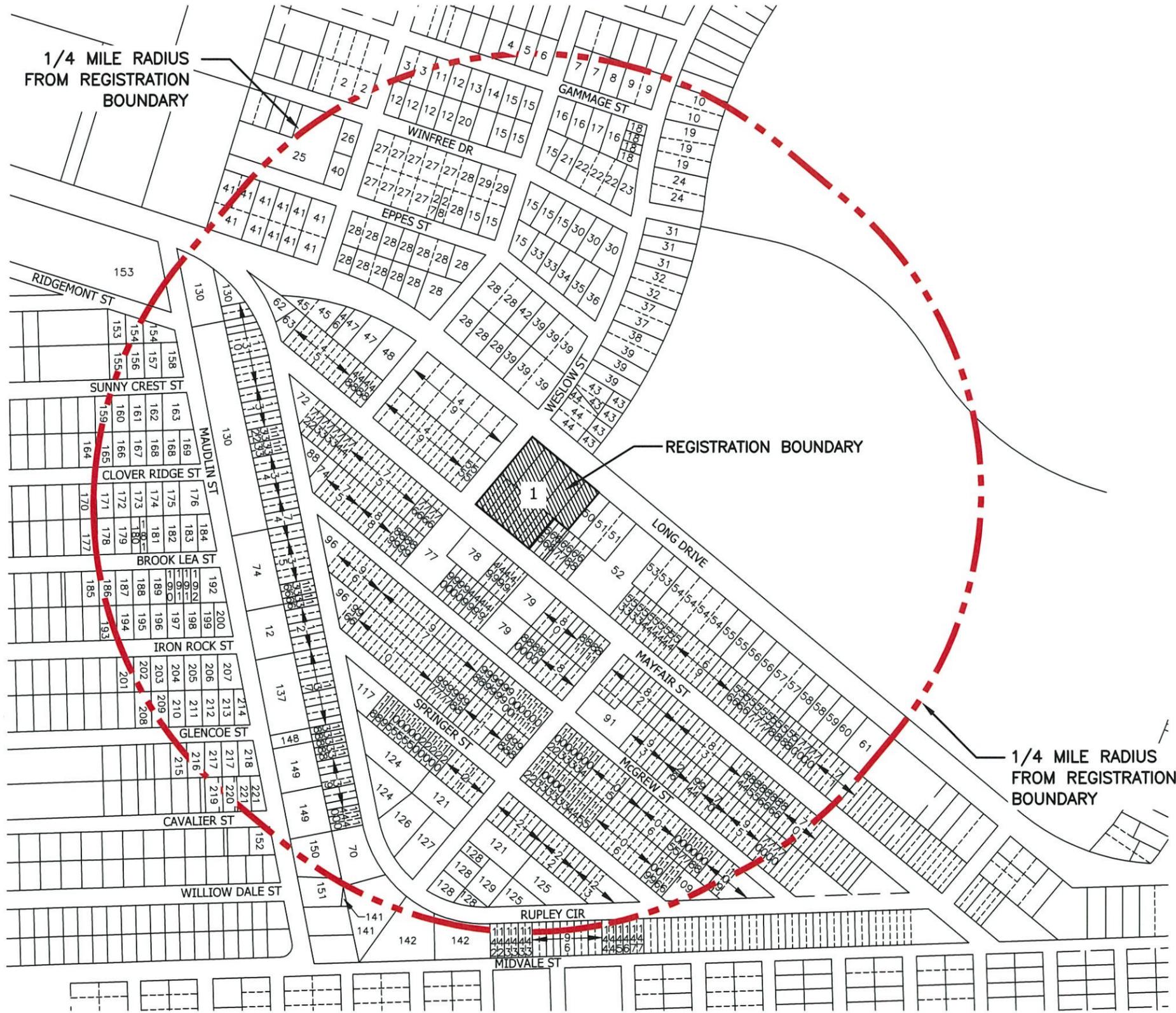
DATE:	02/28/2020
DRAWN BY:	SCG
CHECKED BY:	AH
APPROVED BY:	AH
JOB NO:	190177

REVISIONS		
DATE	NO.	DESCRIPTION
-	-	-

ATTACHMENT 4

LAND OWNERSHIP MAP AND
LAND OWNERSHIP LIST

U:\Core Marine Services Inc\190177 Medical Waste Reg\000\20-Drawings\Exhibits-Imagery\190177 - Exhibit Land Ownership Map - Att 4 with dash.dwg
 Monday March 02, 2020, 9:34am



LEGEND:

- 1/4 MILE RADIUS FROM REGISTRATION BOUNDARY
- REGISTRATION BOUNDARY

NOTES:

1. REFER TO THE ATTACHED LAND OWNERSHIP LIST FOR ADDITIONAL LANDOWNER'S INFORMATION.
2. THE PROPERTY BOUNDARIES SHOWN HERE ARE BASED ON THE HARRIS COUNTY APPRAISAL DISTRICT (HCAD) PARCEL VIEWER



Amy Hesseltn

**NUCORE ENVIRONMENTAL SERVICES
HOUSTON, TEXAS**

**LAND OWNERSHIP MAP
ATTACHMENT 4**

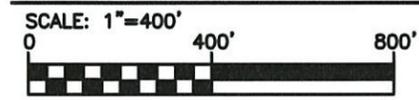
LNV TBPE FIRM NO. F-366
 TBPLS FIRM NO. 10126500
 engineers | architects | surveyors
 801 NAVIGATION, SUITE 300 PH. (361) 883-1984
 CORPUS CHRISTI, TX 78408 FAX (361) 883-1986
 WWW.LNVINC.COM

DATE:	02/28/2020
DRAWN BY:	SCG
CHECKED BY:	AH
APPROVED BY:	AH
JOB NO:	190177

REVISIONS		
DATE	NO.	DESCRIPTION
-	-	-



LAND OWNERSHIP MAP



LAND OWNERSHIP LIST

1. GEORGE M TURNER
6370 LONG DR
HOUSTON TX 77087

No mineral right's owners identified on the Houston County Appraisal District

2. DIOCESE HOUSE GALVESTON
PO BOX 907
HOUSTON TX 77001-0907

3. ALFARO LAURA J
6406 GAMMAGE ST
HOUSTON TX 77087-2143

4. RUBIO FIDELA
6423 GAMMAGE ST
HOUSTON TX 77087-2143

5. SOSA MARIA
6427 GAMMAGE ST
HOUSTON TX 77087-2143

6. LEWIS RAYMOND WAYNE
LEWIS JACOB ESTATE OF
6431 GAMMAGE ST
HOUSTON TX 77087-2143

7. GAMMAGE DUVAL REALTY ASSOCIATE LLC
4 LINKS DR
GREAT NECK NY 11020-1145

8. BALTAZAR ENRIQUETA
6511 GAMMAGE ST
HOUSTON TX 77087-2237

9. GREGORY JOHN B
6519 GAMMAGE ST
HOUSTON TX 77087-2237

10. ROBERTS THEODORE
5603 HUNTINGTON DR N
LOS ANGELES CA 90032-1325

NUCORE ENVIRONMENTAL SERVICES

11. TELLO FREDERICO & MARIA T
6410 GAMMAGE ST
HOUSTON TX 77087-2144
12. HOUSTON HOSE REAL ESTATE LLC
1905 CANDLELIGHT CT
FRIENDSWOOD TX 77546-5100
13. RUBIO FIDEL & BLANCA
6420 GAMMAGE ST
HOUSTON TX 77087-2144
14. CRUZ RUBEN M
ANQUINO ELIZABETH C
6422 GAMMAGE ST
HOUSTON TX 77087-2144
15. U-HAUL INTERNATIONAL
PO BOX 29046
PHOENIX AZ 85038-9046
16. GURROLA ROSALINDA
6933 SHERMAN ST
HOUSTON TX 77011-3623
17. SANDOVAL JOSE
SANCHEZ HUGO
6234 UPSHAW DR
HUMBLE TX 77396-2543
18. PINO LAURA J
C/O TIERRA VISION LLC
6587 EPPES ST
HOUSTON TX 77087-2201
19. TEMPLO DIOS ES AMOR
4003 WESLOW ST
HOUSTON TX 77087-2247
20. VILLARREAL AARON
PO BOX 335
TOMBALL TX 77377-0335

NUCORE ENVIRONMENTAL SERVICES

21. ROBINSON DAVID A
6507 WINFREE DR
HOUSTON TX 77087-2217
22. GUTIERREZ ROBERTO M
9729 BASSOON DR
HOUSTON TX 77025-4635
23. WEST OLLIE MAE
ADDRESS UNKNOWN
24. TERRAZAS INVESTMENTS LLC
14919 WOODTHORPE LN
HOUSTON TX 77079-7602
25. U S ALLOYS INC
PO BOX 262405
HOUSTON TX 77207-2405
26. TYRA LEWIS R
1123 HUB ST
HOUSTON TX 77023-3313
27. YETI RIVER GROUP LLC
306 KENT AVE
KENTFIELD CA 94904-2527
28. TYRA RENTALS INC
1123 HUB ST
HOUSTON TX 77023-3313
29. TYRA LEWIS R JR
LCT REVOCABLE TRUST
1123 HUB ST
HOUSTON TX 77023-3313
30. ESPARZA CHRISTOPHER A
14018 ALLES HOUSE ST
SANTA FE TX 77510-8120
31. MONOS G LLC
3606 SUN VALLEY DR
HOUSTON TX 77025-4135

NUCORE ENVIRONMENTAL SERVICES

32. CURRENT OWNER
PO BOX 1146
BELLAIRE TX 77402-1146
33. ADJUSTERS INC
6523 EPPES ST
HOUSTON TX 77087-2201
34. LAND MILLARD A
PO BOX 330007
HOUSTON TX 77233-0007
35. KRAMER JARVIS L
PO BOX 683
WEST COLUMBIA TX 77486-0683
36. CURRENT OWNER
6587 EPPES ST
HOUSTON TX 77087-2201
37. JUAREZ JOSE & GILBERTO
5747 CORL ST
HOUSTON TX 77087-4109
38. ALVARADO BROTHERS BRICK INC
3423 MAYFAIR
HOUSTON TX 77087
39. DARASHELLE INC
9603 WINDRUSH DR
SPRING TX 77379-6664
40. VILLARREAL JOSE
PO BOX 441
TOMBALL TX 77377-0441
41. Y & Y VENTURES LLC
% CENTURY CITY CAPITAL LLC
945 MCKINNEY ST STE 532
HOUSTON TX 77002-6308
42. TENENBOWN MIKE
PO BOX 263105
HOUSTON TX 77207-3105

NUCORE ENVIRONMENTAL SERVICES

43. LE TONY VAN
6425 LONG DR
HOUSTON TX 77087-3407
44. LUCKY SEVEN 7 BUSINESS INC
6401 LONG DR
HOUSTON TX 77087-3407
45. H & N HOLDINGS LLC
2335 GLEN HAVEN BLVD
HOUSTON TX 77030-3607
46. ROEHRIG PAULA G
2117 W HOUSE ST
ALVIN TX 77511-9338
47. HERNANDEZ MACKLIN
6336 LONG DR
HOUSTON TX 77087-3457
48. LONG DRIVE PROPERTIES
6370 LONG DR
HOUSTON TX 77087-3457
49. TURNER GEORGE M
6370 LONG DR
HOUSTON TX 77087-3457
50. RIOPELLE ENTERPRISES INC
BDA AMERICAN WATER SYSTEM
6422 LONG DR
HOUSTON TX 77087-3408
51. ALPHA THREADED PRODUCTS
6426 LONG DR
HOUSTON TX 77087-3408
52. AGV HOLDINGS LLC
6438 LONG DR
HOUSTON TX 77087-3408

NUCORE ENVIRONMENTAL SERVICES

53. CAMMACK FAMILY LIMITED PARTNERSHIP
6500 LONG DR
HOUSTON TX 77087-3410
54. CAMMACK FLP
PO BOX 262513
HOUSTON TX 77207-2513
55. BARRIER-EDGAR EQUIP INC
6600 LONG DR
HOUSTON TX 77087-3412
56. 6606 LONG DR LLC
6600 LONG DR
HOUSTON TX 77087-3412
57. BARRIER STEVEN & MITCHELL
6614 LONG DR
HOUSTON TX 77087-3412
58. MORIN PATRICIA S
610 MINNESOTA ST
SOUTH HOUSTON TX 77587-4939
59. HERNANDEZ GERARDO
HERNANDEZ ADRIAN & SOCORRO
6630 LONG DR
HOUSTON TX 77087-3412
60. CASTRO MERIDA F
6634 LONG DR
HOUSTON TX 77087-3412
61. C NEEL WELLS PC
9534 HUFFMEISTER RD
HOUSTON TX 77095-2855
62. GONZALEZ MIKE
7919 SANTA ELENA ST
HOUSTON TX 77061-1344
63. BALBOA JUAN M & AURORA
7209 AIRPORT BLVD
HOUSTON TX 77061-3914

NUCORE ENVIRONMENTAL SERVICES

64. SEREBRENIK PRINTING INC
6801 TELEPHONE RD
HOUSTON TX 77061-2820
65. DAVID W GEORGE
8922 IVY SPRING LN
HOUSTON TX 77088-1827
66. ALVORADO BROTHERS BRICK INC
3811 ERBY ST
HOUSTON TX 77023-6425
67. AGUILAR CYNTHIA
6314 CAVALIER ST
HOUSTON TX 77087-3322
68. STRONG MAXIE
6025 CLOVER RIDGE ST
HOUSTON TX 77087-2019
69. BARRIER EDGAR EQUIPMENT CORP
6600 LONG DR
HOUSTON TX 77087-3412
70. MWZ PROPERTIES INC
13615 ROLLINS GREEN LN
CYPRESS TX 77429-6519
71. C NEEL WELLS PC
9534 HUFFMEISTER RD
HOUSTON TX 77095-2855
72. BLAIR CHARLES W
6310 MAYFAIR ST
HOUSTON TX 77087-3418
73. BLAIR C W
6310 MAYFAIR ST
HOUSTON TX 77087-3418
74. CENTERPOINT ENERGY HOU ELE
PROPERTY TAX DEPT 38TH FLR
PO BOX 1475
HOUSTON TX 77251-1475

NUCORE ENVIRONMENTAL SERVICES

- 75. MCGREW STREET REAL ESTATE HOLDING LLC
6401 MCGREW ST
HOUSTON TX 77087-3427

- 76. PROTECH PROPERTIES LLC
14331 ARDWELL DR
HOUSTON TX 77087

- 77. J L A PLUMBING COMPANY
6398 MAYFAIR ST
HOUSTON TX 77087-3418

- 78. GULF VESTMENTS LLC
6410 MAYFAIR ST
HOUSTON TX 77087-3420

- 79. CONTRACT BUILDERS SUPPLY
6430 MAYFAIR ST
HOUSTON TX 77087-3420

- 80. S & R PARTRIDGE LLC
1601 WILLITS ST
PEARLAND TX 77581-5753

- 81. BENAVIDES NAPOLEON
6440 MAYFAIR ST
HOUSTON TX 77087-3420

- 82. POSADA LUIS
GONZALES SIMON
6504 MAYFAIR ST
HOUSTON TX 77087-3422

- 83. PEACOCK SHIPPING & TRADING
6720 MAYFAIR ST
HOUSTON TX 77087-3426

- 84. CELESTIAL COMPANY
6720 MAYFAIR ST
HOUSTON TX 77087-3426

- 85. STIPETICH JOHN A & CAROLYN M
2001 HOLCOMBE BLVD UNIT 2105
HOUSTON TX 77030-4217

NUCORE ENVIRONMENTAL SERVICES

- 86. STIPETICH JOHN
2001 HOLCOMBE BLVD UNIT 2105
HOUSTON TX 77030-4217

- 87. BLAIR CHARLES AND SALLY
6310 MAYFAIR ST
HOUSTON TX 77087-3418

- 88. WILLIAMS WALTER B & CLARA
1102 RIVERDALE ST
CHANNELVIEW TX 77530-3046

- 89. CURRENT OWNER
5718 WESTHEIMER RD STE 1440
HOUSTON TX 77057-5757

- 90. ROMINE STEVE M
1017 HOWARD LN
BELLAIRE TX 77401-2701

- 91. ORM ENTERPRISE LLC
1805 EASTHAVEN DR
PASADENA TX 77506-5115

- 92. MOORHEAD GENEVA S
7442 TEASWOOD DR
CONROE TX 77304-1400

- 93. T AND G PLUMBING SERVICES INC
9730 E JENNIFER WAY
HOUSTON TX 77075-1905

- 94. RODRIGUEZ FRANCISCO
6615 MCGREW ST
HOUSTON TX 77087-3431

- 95. MESHWAY INC
10440 SOUTH DR STE 2905
HOUSTON TX 77099-2866

- 96. BIZAOUI MARCEL
6427 SPRINGER ST
HOUSTON TX 77087-3445

NUCORE ENVIRONMENTAL SERVICES

97. AMT PROPERTIES LLC
5150 BROADWAY ST STE 471
SAN ANTONIO TX 78209-5710
98. BENAVIDES NAPOLEON & CRISTINA
2502 OAKS DR
PASADENA TX 77502-4510
99. CLARKE MICHAEL
PO BOX 932
BELLAIRE TX 77402-0932
100. HOLM CHRISTOPHER L ET AL
PO BOX 262067
HOUSTON TX 77207-2067
101. HOLM CHRISTOPHER & CATHY
PO BOX 262067
HOUSTON TX 77207-2067
102. HAILEY DONALD RAY & CLARA
6504 MCGREW ST
HOUSTON TX 77087-3430
103. CREAMER INDIANA & LEXA
4511 ALINE ST
HOUSTON TX 77087-3401
104. WRIGHT HUGH B & ETAL
6517 SPRINGER ST
HOUSTON TX 77087-3447
105. MARTIN LOLA MAE
21215 GLEN WILLOW DR
TOMBALL TX 77375-7411
106. FAM MARINE SERVICES CORP
% MR FRED R HENDREN
6601 SPRINGER ST
HOUSTON TX 77087-3449
107. WILLIAMS JOSEPH R
6355 GRIGGS RD
HOUSTON TX 77023-5737

NUCORE ENVIRONMENTAL SERVICES

- 108. RAYNOR DEBORAH
ROSENBERGER JOHN G
3601 DOROTHY LN
PEARLAND TX 77581-5317

- 109. ROSENBERG PROPERTIES LLC
3237 SOUTHWESTERN BLVD
DALLAS TX 75225-7652

- 110. ESR GLOBAL INC
6427 SPRINGER ST
HOUSTON TX 77087-3445

- 111. HOLM CHRISTOPHER L
PO BOX 262067
HOUSTON TX 77207-2067

- 112. CREAMER ROSMERE D
4511 ALINE ST
HOUSTON TX 77087-3401

- 113. JUAREZ NORMA ET AL
6517 SPRINGER ST
HOUSTON TX 77087-3447

- 114. ANDERSON THOMAS H
COWELL JOHN D
6525 SPRINGER ST
HOUSTON TX 77087-3447

- 115. MIRACLE MACHINE INC
6525 SPRINGER ST
HOUSTON TX 77087-3447

- 116. BARRON DARIO
5906 LANCASTER ST
HOUSTON TX 77087-5328

- 117. KEN DEANE INTERNATIONAL
6422 MCGREW ST
HOUSTON TX 77087-3428

NUCORE ENVIRONMENTAL SERVICES

- 118. CITY OF HOUSTON
(PLUM CRK DRAINAGE)
PO BOX 1562
HOUSTON TX 77251-1562

- 119. WILLIAMS JOSEPH R
6355 GRIGGS RD
HOUSTON TX 77023-5737

- 120. BENAVIDES NAPOLEON
6451 SPRINGER ST
HOUSTON TX 77087-3445

- 121. BADO EQUIPMENT SERVICE CO
PO BOX 262347
HOUSTON TX 77207-2347

- 122. AUSTIN TIMOTHY & JOANNA
6520 SPRINGER ST
HOUSTON TX 77087-3448

- 123. ELECTRICAL SIGN DISPLAY INC
PO BOX 266842
HOUSTON TX 77207-6842

- 124. PALMER POWER CORP
6451 RUPLEY CIR
HOUSTON TX 77087-3439

- 125. MERCURY LEASING CO
5142 N BRAESWOOD BLVD
HOUSTON TX 77096-2611

- 126. MABRY MICHAEL
6710 MEADOW LAWN
HOUSTON TX 77023-4014

- 127. FLORES CARLOS
954 HEATHFIELD DR
CHANNELVIEW TX 77530-2321

NUCORE ENVIRONMENTAL SERVICES

- 128. SOUTHEAST PALLET CO ET AL
% RAMON NAVA
2880 FM 2917 RD
ALVIN TX 77511-1062

- 129. NAVA RAMON
% SOUTHEAST PALLET INC
2880 FM 2917 RD
ALVIN TX 77511-1062

- 130. BMI FACILITIES LP
PO BOX 262745
HOUSTON TX 77207-2745

- 131. LUBE EQUIPMENT CO
% CHARLES BLAIR
6310 MAYFAIR ST
HOUSTON TX 77087-3418

- 132. CARDOZA SERGIO & MARICELA
6347 RUPLEY CIR
HOUSTON TX 77087-3437

- 133. RODRIGUEZ MIGUEL A
7115 MCHENRY ST
HOUSTON TX 77087-4315

- 134. WADE RANDY
PO BOX 262583
HOUSTON TX 77207-2583

- 135. RENT A DRINKING FOUNTAIN LTD
6414 RUPLEY CIR
HOUSTON TX 77087-3440

- 136. LIPI PROPERTIES LLC
6427 SPRINGER ST
HOUSTON TX 77087-3445

- 137. KAUFHOLD PARTNERS LTD
1706 E WINDING WAY DR
FRIENDSWOOD TX 77546-5130

NUCORE ENVIRONMENTAL SERVICES

- 138. KKDH INVESTMENTS LLC
6470 RUPLEY CIR
HOUSTON TX 77087-3440
- 139. HEAD & GUILD PARTS INC
6476 RUPLEY CIR
HOUSTON TX 77087-3440
- 140. KATSOBASHVILI BENNY
4808 GIBSON ST
HOUSTON TX 77007-5480
- 141. FASCI HUMBERTO S
7118 MOLINE ST
HOUSTON TX 77087-4225
- 142. SOUTHEAST PALLET CO ET AL
2880 FM 2917 RD
ALVIN TX 77511-1062
- 143. RODRIGUEZ ANASTACIO
RODRIGUEZ NORMA A
6516 RUPLEY CIR
HOUSTON TX 77087-3442
- 144. NGUYEN LOAN N & THOMAS
6540 RUPLEY CIR
HOUSTON TX 77087-3442
- 145. NGUYEN THOMAS
8508 BELLAIRE BLVD STE 200
HOUSTON TX 77036-4704
- 146. NGUYEN LOAN N
8405 WILCREST DR STE 1408
HOUSTON TX 77072-4316
- 147. ALMAGUER GISELA
6945 SANTA FE DR
HOUSTON TX 77061-2617
- 148. DOUTHITT ENTERPRISES LLC
6476 RUPLEY CIR
HOUSTON TX 77087-3440

NUCORE ENVIRONMENTAL SERVICES

- 149. DOUTHITT JAMES D
6476 RUPLEY CIR
HOUSTON TX 77087-3440

- 150. CHAMPION GROUP INC
5565 MAUDLIN ST
HOUSTON TX 77087-3341

- 151. ANSON PROPERTY & VENDING LLC
5567 MAUDLIN ST
HOUSTON TX 77087-3341

- 152. PRUNEDA ZACARIAS
6342 CAVALIER ST
HOUSTON TX 77087-3322

- 153. RITCHEY GEORGE R
2553 MILLER RANCH RD
PEARLAND TX 77584-9515

- 154. TAPIA CARMEN
5202 MAUDLIN ST
HOUSTON TX 77087-3336

- 155. HERNANDEZ MARIA D
ZAMARRON ARMANDO
6309 SUNNYCREST ST
HOUSTON TX 77087-3313

- 156. CHAVEZ CARLOS & TERESA
6313 SUNNYCREST ST
HOUSTON TX 77087-3313

- 157. BARGAS GERTRUDIS
6317 SUNNYCREST ST
HOUSTON TX 77087-3313

- 158. RODRIGUEZ MARISELA
6321 SUNNYCREST ST
HOUSTON TX 77087-3313

NUCORE ENVIRONMENTAL SERVICES

- 159. HERMILO GARCIA
6306 SUNNYCREST ST
HOUSTON TX 77087-3314

- 160. TORRES CRISTAL
6420 STRATTON ST
HOUSTON TX 77023-5730

- 161. MARTINEZ AMILCAR
7169 MOLINE ST
HOUSTON TX 77087-4224

- 162. MENINDEZ CARLOS
GONZALES THERESA
6322 SUNNYCREST ST
HOUSTON TX 77087-3314

- 163. BURCIAGA LOUIS
6326 SUNNYCREST ST
HOUSTON TX 77087-3314

- 164. SOLIS HECTOR & JOAQUINA
6233 CLOVER RIDGE ST
HOUSTON TX 77087-3323

- 165. OROZCO HONORIO & ELVIRA
10823 MALDEN DR
HOUSTON TX 77075-5140

- 166. MUNGUIA ELEAZAR
10134 SAGEGLOW DR
HOUSTON TX 77089-5116

- 167. TOVAR ADOLFO ALONSO
6326 CULMORE DR APT 1
HOUSTON TX 77087-2154

- 168. VAZQUEZ NOELIA
6323 CLOVER RIDGE ST
HOUSTON TX 77087-3325

- 169. MIRANDA JUAN & CONSUELO
6325 CLOVER RIDGE ST
HOUSTON TX 77087-3325

NUCORE ENVIRONMENTAL SERVICES

- 170. OROZCO OLGA
8614 HARDING ST
HOUSTON TX 77012-3365
- 171. TAMEZ ERNESTO & MARIA
6306 CLOVER RIDGE ST
HOUSTON TX 77087-3326
- 172. VAZQUEZ JESSICA ARIANNA
6310 CLOVER RIDGE ST
HOUSTON TX 77087-3326
- 173. MIRANDA DANIEL & ROSA ELVIA
6314 CLOVER RIDGE ST
HOUSTON TX 77087-3326
- 174. TOVAR MAURO
6318 CLOVER RIDGE ST
HOUSTON TX 77087-3326
- 175. DEMNY D E
8518 GLEN VALLEY DR
HOUSTON TX 77061-2328
- 176. MIRANDA CARLOS
6326 CLOVER RIDGE ST
HOUSTON TX 77087-3326
- 177. PEREZ FRANCISCO & MARGARITA
6233 BROOK LEA ST
HOUSTON TX 77087-3315
- 178. GUERRERO ANGEL M II
6222 BROOK LEA ST
HOUSTON TX 77087-3316
- 179. RUBIO BENITO V & MARGARET
21322 RIVERSIDE RIDGE LN
KATY TX 77449-3874
- 180. VALDIVIA JOSE & ROSA MARIA
6315 BROOK LEA ST
HOUSTON TX 77087-3317

NUCORE ENVIRONMENTAL SERVICES

181. ALVARENGA JAVIER E
9823 SAXON GLEN LN
KATY TX 77494-2584
182. RUBIO BENITO
6321 BROOK LEA ST
HOUSTON TX 77087-3317
183. RAMIREZ CHARLES & ROSEMARY
6014 CHERRYHILL ST
HOUSTON TX 77087-2002
184. SMITH TAMARA K & DAVID P
302 LOUISIANA ST
MISSOURI CITY TX 77489-1119
185. LOZANO CARLOS HEREDIA
10110 KINNEY RD
HOUSTON TX 77099-2700
186. REGALDO PAUL G
PEREZ JESUS E
7423 LAKEHURST DR
HOUSTON TX 77087-6109
187. MINIEL DANIEL & SYLVIA
12219 POMPTON DR
HOUSTON TX 77089-6603
188. MENDOZA ELADIO & MARIA E
6318 BROOK LEA ST
HOUSTON TX 77087-3318
189. RUBIO MARCELINA R ESTATE OF
6326 BROOK LEA ST
HOUSTON TX 77087-3318
190. BENITO RUBIO V
6326 BROOK LEA ST
HOUSTON TX 77087-3318

NUCORE ENVIRONMENTAL SERVICES

191. TAMEZ VALERIA
6328 BROOK LEA ST
HOUSTON TX 77087-3318
192. MEJIA JOE ESTATE OF
6330 BROOK LEA ST
HOUSTON TX 77087-3318
193. GUTIERREZ CARLOS & CELIA
6305 IRON ROCK ST
HOUSTON TX 77087-3333
194. GARZA GONZALO & MARGARITA
19314 DICKSON PARK DR
SPRING TX 77373-8395
195. VALDEZ PHILIP & ESPERANZA
6313 IRON ROCK ST
HOUSTON TX 77087-3333
196. VAZQUEZ GABRIEL
6317 IRON ROCK ST
HOUSTON TX 77087-3333
197. AMARO RUTH R
6323 IRON ROCK ST
HOUSTON TX 77087-3333
198. VILLALBA BENITO & CIRINA T
6325 IRON ROCK ST
HOUSTON TX 77087-3333
199. OCHOA JOSE JESUS & ESPERANZA
6327 IRON ROCK ST
HOUSTON TX 77087-3333
200. GUERRERO BERNICE L
6333 IRON ROCK ST
HOUSTON TX 77087-3333
201. LOZANO GUADALUPE
6308 IRON ROCK ST
HOUSTON TX 77087-3334

NUCORE ENVIRONMENTAL SERVICES

202. TELLO EDITH N
6225 IRON ROCK
HOUSTON TX 77087-3331
203. GUERRERO MARIA D
6320 IRON ROCK ST
HOUSTON TX 77087-3334
204. SANCHEZ SALVADOR
OLVERA ZENaida
6322 IRON ROCK ST
HOUSTON TX 77087-3334
205. CASTILLO ROVERTO & IRMA
6326 IRON ROCK ST
HOUSTON TX 77087-3334
206. PENA MICAELA
6328 IRON ROCK ST
HOUSTON TX 77087-3334
207. ALANIS IDELIA
6334 IRON ROCK ST
HOUSTON TX 77087-3334
208. MERLAN ABRAHAM J & MARIA
6313 GLENCOE ST
HOUSTON TX 77087-3329
209. SILVA BERTHA A
6315 GLENCOE ST
HOUSTON TX 77087-3329
210. CORREA RAMIRO & MARIA ANA H
6323 GLENCOE ST
HOUSTON TX 77087-3329
211. SALAZAR FAUSTINO & ESTHER
5618 TRENDALe ST
HOUSTON TX 77087-4144
212. FLORES CESAR M
3319 COTSWALD TRL
PEARLAND TX 77584-8145

NUCORE ENVIRONMENTAL SERVICES

- 213. MARTINEZ CECILIA
7441 AVENUE H
HOUSTON TX 77011-2835

- 214. BERNAL JOSE
6335 GLENCOE ST
HOUSTON TX 77087-3329

- 215. GUERRERO GUSTAVO & LYDIA
6322 GLENCOE ST
HOUSTON TX 77087-3330

- 216. MARIN CAYETANO R
6326 GLENCOE ST
HOUSTON TX 77087-3330

- 217. TELLO LUCIO
6332 GLENCOE ST
HOUSTON TX 77087-3330

- 218. VICTOR JOSE T & VIRGINIA
% JOHN D BURLESON
6334 GLENCOE ST
HOUSTON TX 77087-3330

- 219. GUERRA GUILLERMO ANTONIO
6327 CAVALIER ST
HOUSTON TX 77087-3321

- 220. TORRES JOSE A & MARIA
6335 CAVALIER ST
HOUSTON TX 77087-3321

- 221. CORTIMIGLIA SALVADORE LEO
6341 CAVALIER ST
HOUSTON TX 77087-3321

ATTACHMENT 5

METES AND BOUNDS DRAWING AND DESCRIPTION

**2013 PROPERTY DEED
METES AND BOUNDS DESCRIPTION
BOUNDARY SURVEY**

1.3.7.1. Property Deed

20130525352
10/14/2013 ER \$32.00

ER 050 - 39 - 2434

SPECIAL WARRANTY DEED WITH VENDOR'S LIEN

NOTICE OF CONFIDENTIALITY RIGHTS: IF YOU ARE A NATURAL PERSON, YOU MAY REMOVE OR STRIKE ANY OR ALL OF THE FOLLOWING INFORMATION FROM ANY INSTRUMENT THAT TRANSFERS AN INTEREST IN REAL PROPERTY BEFORE IT IS FILED FOR RECORD IN THE PUBLIC RECORDS: YOUR SOCIAL SECURITY NUMBER OR YOUR DRIVER'S LICENSE NUMBER.

Date: October 9, 2013

Grantor: **M&I ELECTRIC INDUSTRIES, INC.**, a Texas corporation, acting herein by and through its duly authorized Senior Vice President and Chief Financial Officer, **ANDREW L. PUHALA**

Grantor's Mailing Address (Including county):

6410 Long Drive
Houston, Harris County, Texas 77087

Grantee: **CLH REAL ESTATE PARTNERS, LLC**, a Texas limited liability company

Grantee's Mailing Address (including county):

14710 Lindall Court
Cypress, Harris County, Texas 77429-5329

Consideration:

For and in consideration of Ten and No/100 Dollars (\$10.00) and other valuable consideration and a note of even date that is in the principal amount of Five Hundred Seventy-Five Thousand and No/100 Dollars (\$575,000.00), and is executed by Grantee, payable to the order of TEXAS CAPITAL BANK, NATIONAL ASSOCIATION, a national banking association. The note is secured by a vendor's lien retained in favor of TEXAS CAPITAL BANK, NATIONAL ASSOCIATION, a national banking association, in this deed and by a deed of trust of even date from Grantee to John H. Hudgens, Trustee.

Property (including any improvements):

TRACT 1:

1.9990 acres of land situated in the H. B. Prentiss Survey, Abstract Number 56, City of Houston, Harris County, Texas, being Lots Seventy-Eight (78) through Eighty-Seven (87), in Block Two (2) of MAYFAIR ADDITION, a subdivision in Harris County, Texas, as shown on map or plat recorded under Volume 572, Page 440 of the Deed

FILED BY
ALAMO TITLE COMPANY

ATH 13038537

Records of Harris County, Texas, and Lots One (1) and Two (2), in Block Three (3), and Lots Nine (9), Ten (10) and Eleven (11), in Block Thirty-Nine (39), of the AMENDED GOLFCREST ADDITION, a subdivision in Harris County, Texas, as shown on map or plat recorded under Volume 12, Page 2 of the Map Records of Harris County, Texas; said 1.9990 acres of land being more particularly described by metes and bounds on Exhibit "A" attached hereto and made a part hereof for all purposes.

TRACT II:

0.6849 of one (1) acre or 29,835 square feet of land situated in the H. B. Prentiss Survey, Abstract Number 56, City of Houston, Harris County, Texas, being the Northwesterly 14.75 feet of Lots Sixteen (16) and Eighty-Seven (87), and all of Lots Seventeen (17), Eighteen (18), Nineteen (19), Twenty (20), Eighty-Three (83), Eighty-Four (84), Eighty-Five (85) and Eighty-Six (86), in Block Five (5) of MAYFAIR ADDITION, a subdivision in Harris County, Texas, recorded under Volume 572, Page 440 of the Deed Records of Harris County, Texas; said 0.6849 of one (1) acre or 29,835 square feet of land being more particularly described by metes and bounds on Exhibit "A" attached hereto and made a part hereof for all purposes.

Reservations from and Exceptions to Conveyance and Warranty:

Easements, rights-of-way, and prescriptive rights of record; all presently recorded instruments, other than liens and conveyances, that affect the property. Taxes for the current year have been prorated and are assumed by Grantee.

Grantor, for the consideration and subject to the reservations from and exceptions to conveyance and warranty, grants, sells, and conveys to Grantee the property, together with all and singular the rights and appurtenances thereto in any wise belonging, to have and hold it to Grantee, Grantee's legal representatives, successors, or assigns forever. Grantor binds Grantor and Grantor's legal representatives, successors and assigns to warrant and forever defend all and singular the property to Grantee and Grantee's legal representatives, successors, and assigns, against every person whomsoever lawfully claiming or to claim the same or any part thereof, when the claim is by, through, or under Grantor, but not otherwise, except as to the reservations from and exceptions to conveyance and warranty.

The vendor's lien against and superior title to the property are retained until the note described is fully paid according to its terms, at which time this deed shall become absolute.

TEXAS CAPITAL BANK, NATIONAL ASSOCIATION, a national banking association, at Grantee's request, has paid in cash to Grantor that portion of the purchase price of the property that is evidenced by the note described. The vendor's lien and superior title to the property are retained for the benefit of TEXAS CAPITAL BANK, NATIONAL ASSOCIATION, a national banking association, and are transferred to that party without recourse on Grantor.

ER 050 - 39 - 2437

EXHIBIT A

TRACT I:

1.9990 acres of land situated in the H. B. Prentiss Survey, Abstract Number 56, City of Houston, Harris County, Texas, being Lots 78 through 87, Block 2 of Mayfair Addition, a subdivision as shown on map or plat recorded under Volume 572, Page 440 of the Deed Records of Harris County, Texas and Lots 1 and 2, Block 3 and Lots 9, 10 and 11, Block 39 of the Amended Golfcrest Addition, a subdivision as shown on map or plat recorded under Volume 12, Page 2 of the Map Records of Harris County, Texas, said 1.9990 acres feet of land being more particularly described by metes and bounds as follows:

BEGINNING at a 5/8 inch iron rod with cap set at the intersection of the Southwesterly right-of-way line of Long Drive (80 foot right-of-way) with the Southeasterly right-of-way line of Weslow Street (60 foot right-of-way), for the Northerly corner of said Lot 9;

Thence, S 48°07'00" E, along the Southwesterly right-of-way line of said Long Drive, a distance of 300.00 feet to an "X" in concrete set for the Northerly corner of Lot 3, Block 3 of said Amended Golfcrest Addition;

Thence, S 41°53'00" W, along the Northwesterly line of said Lot 3, a distance of 180.00 feet to a 5/8 inch iron rod with cap set in the Northeasterly line of Lot 75, Block 2 of said Mayfair Addition, for the Westerly corner of said Lot 3;

Thence, N 48°07'00" W, along the Northeasterly line of Lots 75 through 77, Block 2 of Mayfair Addition, a distance of 55.00 feet to a 5/8 inch iron rod with cap set for the Northerly corner of said Lot 77;

Thence, S 41°53'00" W, along the Northwesterly line of said Lot 77, a distance of 135.00 feet to a 5/8 inch iron rod with cap set in the Northeasterly right-of-way line of Mayfair Boulevard (70 foot right-of-way), for the Westerly corner of said Lot 77;

Thence, N 48°07'00" W, along the Northeasterly right-of-way line of said Mayfair Boulevard, a distance of 245.00 feet to a 5/8 inch iron rod with cap set at the intersection of the Northeasterly right-of-way of said Mayfair Boulevard with the Southeasterly right-of-way line of said Weslow Street, for the Westerly corner of said Lot 87, from which a found 1 inch iron rod bears S 55°57'25" E, 1.01 feet;

Thence, N 41°53'00" E, along the Southeasterly right-of-way line of said Weslow Street, distance of 315.00 feet to the POINT OF BEGINNING and containing 1.9990 acres of land.

TRACT II:

0.6849 of one acre or 29,835 square feet of land situated in the H. B. Prentiss Survey, Abstract Number 56, City of Houston, Harris County, Texas, being the Northwesterly 14.75 feet of Lots 16 and 87 and all of Lots 17, 18, 19, 20, 83, 84, 85 and 86, Block 5 of Mayfair Addition, a subdivision recorded under Volume 572, Page 440 of the Deed Records of Harris County, Texas, said 0.6849 of one acre or 29,835 square feet square feet of land being more particularly described by metes and bounds as follows:

BEGINNING at a 3/4 inch iron pipe found in the Southwesterly right-of-way line of Mayfair Boulevard (70 foot right-of-way), for the Easterly corner of Lot 21, Block 5 of said Mayfair Addition and the Northerly corner of said Lot 20;

EXHIBIT A - LEGAL DESCRIPTION

\\FD\N\SEC_F\ahh\A-Legal\Description (11-07)



EXHIBIT A

(Continued)

Thence, S 48°07'00" E, along the Southwesterly right-of-way line of said Mayfair Boulevard, a distance of 114.75 feet to a 5/8 inch iron rod with cap set for the Northerly corner of that certain called Restricted Reserve "A" of Thumann Estates, a subdivision as shown on map or plat recorded under Film Code Number 583049 of the Map Records of Harris County, Texas, from which a found 5/8 inch iron rod bears N 21°17'22" E, 1.25 feet,

Thence, S 41°53'00" W, along the Northwesterly line of said Restricted Reserve "A", a distance of 260.00 feet to a 1/2 inch iron rod found in the Northeasterly right-of-way line of McGrew Street (60 foot right-of-way), for the Westerly corner of said Restricted Reserve "A";

Thence, N 48°07'00" W, along the Northeasterly right-of-way line of said McGrew Street, a distance of 114.75 feet to a 5/8 inch iron rod with cap set for the Southerly corner of Lot 82, Block 5 of said Mayfair Addition and the Westerly corner of said Lot 83, from which a found 1/2 inch iron rod bears S 53°15'51" W, 0.53 feet,

Thence, N 41°53'00" E, along the Southeasterly line of said Lots 21 and 82, distance of 260.00 feet to the POINT OF BEGINNING and containing 0.6849 of one acre or 29,835 square feet of land.

ER 050 - 39 - 2438



ER 050 - 39 - 2439

20130525352
Pages 6
10/14/2013 11:26:42 AM
e-Filed & e-Recorded in the
Official Public Records of
HARRIS COUNTY
STAN STANART
COUNTY CLERK
Fees 32.00

RECORDERS MEMORANDUM

This instrument was received and recorded electronically and any blackouts, additions or changes were present at the time the instrument was filed and recorded.

Any provision herein which restricts the sale, rental, or use of the described real property because of color or race is invalid and unenforceable under federal law.
THE STATE OF TEXAS
COUNTY OF HARRIS

I hereby certify that this instrument was FILED in File Number Sequence on the date and at the time stamped hereon by me, and was duly RECORDED in the Official Public Records of Real Property of Harris County, Texas.



Stan Stanart
COUNTY CLERK
HARRIS COUNTY, TEXAS

DESCRIPTION
TRACT 1

1.3.7.2. Metes and Bounds Description

1.9990 acres of land situated in the H. B. Prentiss Survey , Abstract Number 56, City of Houston, Harris County, Texas, being Lots 78 through 87, Block 2 of Mayfair Addition, a subdivision as shown on map or plat recorded under Volume 572, Page 440 of the Deed Records of Harris County, Texas and Lots 1 and 2, Block 3 and Lots 9, 10 and 11, Block 39 of the Amended Golferest Addition, a subdivision as shown on map or plat recorded under Volume 12, Page 2 of the Map Records of Harris County, Texas, said 1.9990 acres feet of land being more particularly described by metes and bounds as follows:

BEGINNING at a 5/8 inch iron rod with cap set at the intersection of the Southwesterly right-of-way line of Long Drive (80 foot right-of-way) with the Southeasterly right-of-way line of Weslow Street (60 foot right-of-way), for the Northerly corner of said Lot 9;

Thence, S 48°07'00" E, along the Southwesterly right-of-way line of said Long Drive, a distance of 300.00 feet to an "X" in concrete set for the Northerly corner of Lot 3, Block 3 of said Amended Golferest Addition;

Thence, S 41°53'00" W, along the Northwesterly line of said Lot 3, a distance of 180.00 feet to a 5/8 inch iron rod with cap set in the Northeasterly line of Lot 75, Block 2 of said Mayfair Addition, for the Westerly corner of said Lot 3;

Thence, N 48°07'00" W, along the Northeasterly line of Lots 75 through 77, Block 2 of Mayfair Addition, a distance of 55.00 feet to a 5/8 inch iron rod with cap set for the Northerly corner of said Lot 77;

Thence, S 41°53'00" W, along the Northwesterly line of said Lot 77, a distance of 135.00 feet to a 5/8 inch iron rod with cap set in the Northeasterly right-of-way line of Mayfair Boulevard (70 foot right-of-way), for the Westerly corner of said Lot 77;

Thence, N 48°07'00" W, along the Northeasterly right-of-way line of said Mayfair Boulevard, a distance of 245.00 feet to a 5/8 inch iron rod with cap set at the intersection of the Northeasterly right-of-way of said Mayfair Boulevard with the Southeasterly right-of-way line of said Weslow Street, for the Westerly corner of said Lot 87, from which a found 1 inch iron rod bears S 55°57'25" E, 1.01 feet;

Thence, N 41°53'00" E, along the Southeasterly right-of-way line of said Weslow Street, distance of 315.00 feet to the POINT OF BEGINNING and containing 1.9990 acres of land.

BEARING ORIENTATION BASED ON THE SOUTHWESTERLY LINE OF MAYFAIR BOULEVARD, AS SHOWN ON MAP OR PLAT RECORDED UNDER VOLUME 572, PAGE 440 OF THE DEED RECORDS OF HARRIS COUNTY, TEXAS.

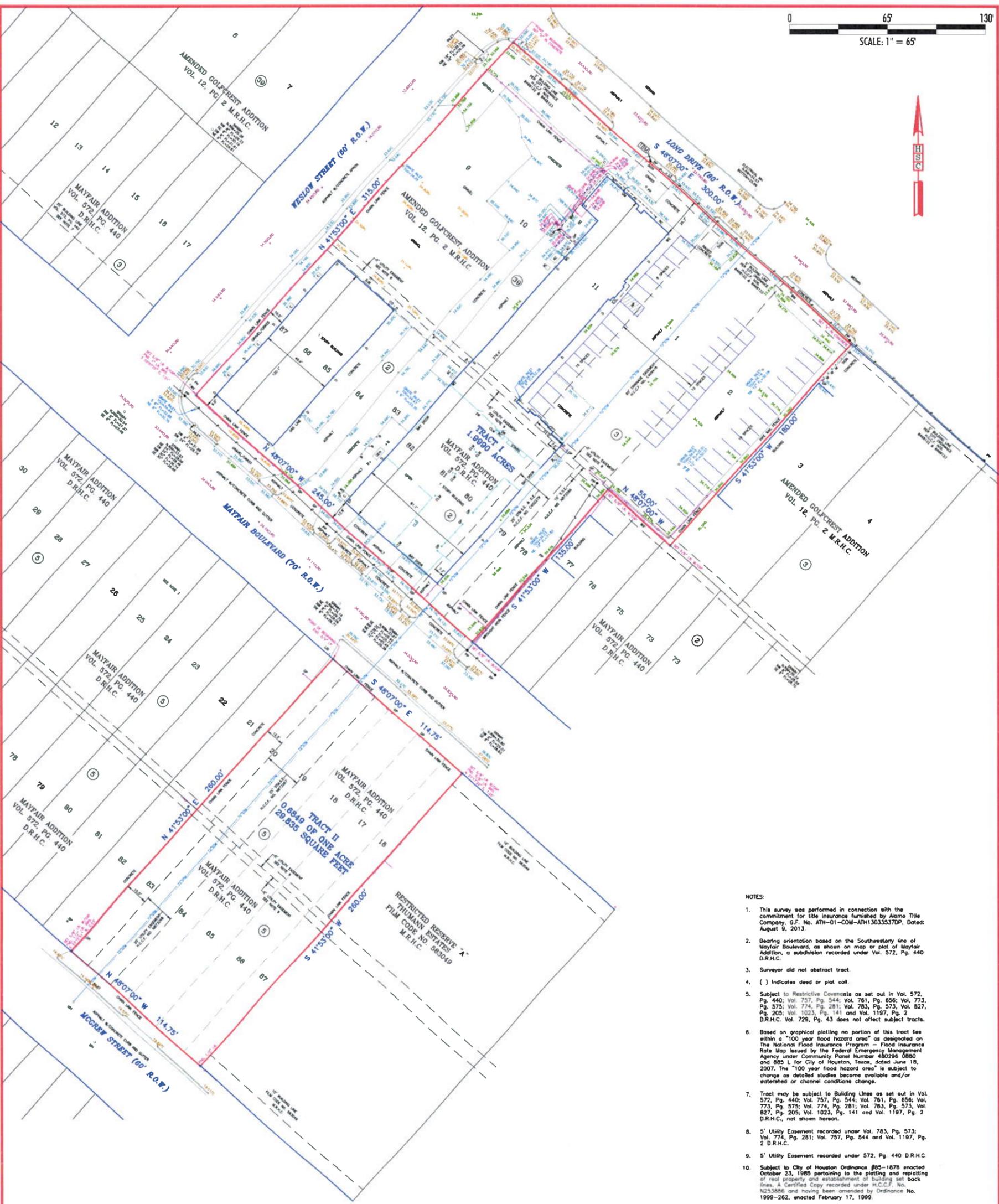
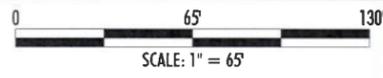
TRACT BEING SHOWN ON MAP (SEE HSC 02259-E)

HOVIS SURVEYING COMPANY, INC.

By: 

Date: September 19, 2013
Job No.: 13-090-00
Dwg. No.: HSC 02259-E
File No.: A13-090.00D





- NOTES:**
1. This survey was performed in connection with the commitment for title insurance furnished by Alamo Title Company, G.F. No. ATH-01-COM-ATH1303537DP, Dated: August 9, 2013.
 2. Bearing orientation based on the Southwesterly line of Mayfair Boulevard, as shown on map or plat of Mayfair Addition, a subdivision recorded under Vol. 572, Pg. 440 D.R.H.C.
 3. Surveyor did not abstract tract.
 4. () Indicates dead or plot call.
 5. Subject to Restrictive Covenants as set out in Vol. 572, Pg. 440; Vol. 757, Pg. 544; Vol. 761, Pg. 656; Vol. 773, Pg. 575; Vol. 774, Pg. 281; Vol. 783, Pg. 573; Vol. 827, Pg. 205; Vol. 1023, Pg. 141 and Vol. 1197, Pg. 2 D.R.H.C. Vol. 728, Pg. 43 does not affect subject tracts.
 6. Based on graphical plotting no portion of this tract lies within a "100 year flood hazard area" as designated on The National Flood Insurance Program - Flood Insurance Rate Map issued by the Federal Emergency Management Agency under Community Panel Number 480296 0890 and 885 L for City of Houston, Texas, dated June 18, 2007. The "100 year flood hazard area" is subject to change as detailed studies become available and/or watershed or channel conditions change.
 7. Tract may be subject to Building Lines as set out in Vol. 572, Pg. 440; Vol. 757, Pg. 544; Vol. 761, Pg. 656; Vol. 773, Pg. 575; Vol. 774, Pg. 281; Vol. 783, Pg. 573; Vol. 827, Pg. 205; Vol. 1023, Pg. 141 and Vol. 1197, Pg. 2 D.R.H.C., not shown hereon.
 8. 5' Utility Easement recorded under Vol. 783, Pg. 573; Vol. 774, Pg. 281; Vol. 757, Pg. 544 and Vol. 1197, Pg. 2 D.R.H.C.
 9. 5' Utility Easement recorded under Vol. 572, Pg. 440 D.R.H.C.
 10. Subject to City of Houston Ordinance #85-1878 enacted October 23, 1985 pertaining to the platting and registering of real property and establishment of building set back lines. A Certified Copy recorded under H.C.C.F. No. N23386 and having been amended by Ordinance No. 1999-262, enacted February 17, 1999.
 11. Tract being more particularly described by separate metes and bounds. See HSC file numbers A13-090 000 and B13-090 000.
 12. Revised September 18, 2013 to show square footage within cross-hatched areas.
 13. Revised September 20, 2013 to add topographic information and to remove cross-hatched areas.

- LEGEND:**
- AC = AIR CONDITIONER
 - B = BOLLARD
 - BRS = BEARS
 - C = CONCRETE
 - CC = COVERED CONCRETE
 - CLM = COLUMN
 - CO = CLEAN OUT
 - D = DRAIN
 - D.E. = DRAINAGE EASEMENT
 - EJB = ELECTRIC JUNCTION BOX
 - EP = ELECTRIC PANEL
 - FH = FIRE HYDRANT
 - FND = FOUND
 - FP = FLAG POLE
 - GEN = GENERATOR
 - GI = GRATE INLET
 - GM = GAS METER
 - GP = GATE POST
 - H.C.C.F. NO. = HARRIS COUNTY CLERK'S FILE NUMBER
 - I.R. = IRON ROD
 - I.P. = IRON PIPE
 - M.R.H.C. = MAP RECORDS OF HARRIS COUNTY
 - LS = LIGHT STANDARD
 - MH = MANHOLE
 - NP = NO PARKING
 - P- = OVERHEAD POWER WIRE
 - P = PIPE
 - PP = POWER POLE
 - RC = RAISED CONCRETE
 - S.S.E. = SANITARY SEWER EASEMENT
 - STMS.S.E. = STORM SEWER EASEMENT
 - TP = TELEPHONE PEDISTAL
 - WF = WROUGHT IRON FENCE
 - WM = WATER METER
 - WS = WATER SPRIG
 - WV = WATER VALVE

BENCHMARK:
 RM 030180: FLOODPLAIN REFERENCE NUMBER 030180 IS A BRASS DISK STAMPED 030180 AT INTERSECTION OF WOODRIDGE DRIVE AND IH 45 EAST-BOUND FEEDER LOCATED ON RETAINING WALL AROUND METRO BUS SHELTER, ON EAST SIDE OF WOODRIDGE IN KCMAP 535J IN THE SIMS WATERSHED NEAR STREAM C102-00-00, ELEV. 32.75 (NAVD 1988, 2001 ADJUSTED)

TBN:
 IS A 60 PENNY NAIL IN POWER POLE LOCATED NEAR THE NORTHWEST CORNER OF TRACT 1 AS SHOWN HEREON. ELEV. 35.54

I hereby certify to Doug Cord and Alamo Title Company that this survey was made on the ground, that this plat correctly represents the facts found at the time of survey and that this professional service substantially conforms to the current Texas Society of Professional Surveyors Standards and Specifications for a Category 1A, Condition 1 Survey.



Harry H. Hovis
 Registered Professional Land Surveyor

HOVIS SURVEYING COMPANY
 Land Surveys - Computer Mapping
 6090 Cabbage - Spring, Texas 77779
 (881) 380-0091
 Acrores - Residential - Industrial - Commercial
 TEXAS PWS REGISTRATION NO. 10030400

LAND TITLE SURVEY OF TRACT 1, 1.9990 ACRES AND TRACT 2, 0.6849 OF ONE ACRE OF LAND SITUATED IN THE H. B. PRENTISS SURVEY, ABSTRACT NUMBER 58, CITY OF HOUSTON, HARRIS COUNTY, TEXAS.

DATE: SEPTEMBER 9, 2013 SCALE: 1" = 30' JOB NO. 13-090-00

1309000LDWG
 HSC 02259-E-1

REFER TO ADDED BAR SCALE ABOVE.

ATTACHMENT 6

FLOW DIAGRAM

FLOW DIAGRAM AND NARRATIVE

§326.71(h)(4) Flow Diagram and Narrative

A flow diagram indicating the receipt, storage and transfer sequences for the various types of wastes received is provided in this Attachment 6 of the application. A narrative of each phase is provided below.

Arrival of Waste at Facility: Medical waste is delivered by a TCEQ registered medical waste transporter to the medical waste management facility. Only those waste streams specified in this registration application will be unloaded. The unloading of prohibited wastes will not be allowed.

Visual Inspection and Manifest Review: Incoming waste and accompanying manifests/shipping documents will be visually inspected by employees trained to identify prohibited waste. Random visual inspections of packaging for incoming waste containers will be conducted a minimum of once per week to verify proper markings have been placed on all containers of waste.

Reject / Return to Transporter: Any prohibited waste discovered prior to unloading will be rejected and returned promptly to the transporter or generator of the waste. In the event unauthorized materials are unloaded at the site, the material will be rejected, and the transporter will be required to immediately remove the waste along with any contaminated materials from the facility. Any undisclosed prohibited waste discovered after unloading will be isolated until the material can be adequately identified.

Waste to be Transferred: Non-hazardous trace chemotherapeutic waste and pathological waste will not be treated at this facility but will be accepted for temporary storage and transfer to an appropriately permitted/registered facility for treatment. These waste types will be segregated and stored for transfer.

Temporary Storage: Untreated medical waste may be temporarily stored at the site unrefrigerated for up to 72 hours. Putrescible or biohazardous untreated medical waste held longer than 72 hours after being received at the facility will be stored at a temperature of 45 degrees Fahrenheit or less. Stand-alone refrigeration units or transport trucks/trailers with refrigeration units will be used to store untreated medical waste held longer than 72 hours after receipt at the facility.

Waste Accepted for Treatment: The facility will treat medical waste, Special Waste from Health Care Related Facilities (SWFHCRF) as defined in 25 TAC §1.132 by the Department of State Health Services, non-hazardous pharmaceuticals, seized drugs/controlled substances, and confidential documents. In addition, the facility may accept Animal and Plant Health Inspection Services (APHIS) wastes. Prior to accepting APHIS wastes, the facility will seek approval from the Administrator of APHIS.

Transfer Waste to Autoclave Bin: Bagged waste will be emptied from containers into autoclave bins for processing.

Empty Container Washing: The empty waste containers will be washed with pressurized water and detergent. Clean containers will be returned to generators for reuse.

NUCORE ENVIRONMENTAL SERVICES

Waste Processing by Autoclave: Waste received at the facility (except non-hazardous trace chemotherapeutic waste and pathological waste) will be treated by steam sterilization disinfection using autoclave unit(s) with associated boiler(s). This treatment technology is a Texas Department of State Health Services approved treatment technology. The process consists of placing the untreated waste in a pressure vessel/autoclave unit and forcing steam into the chamber and through the waste. When the waste is exposed to the proper temperatures for the approved time, the waste will be rendered sterilized. The parameters of time, temperature and pressure of the autoclave(s) used at this facility will meet or exceed those required by the Department of State Health Services requirements for steam disinfection found in 25 TAC §1.133(b)(4)(B). 25 TAC §1.133(b)(4)(B) states that when subjecting waste to steam under pressure, the temperature in the chamber of the autoclave must reach at least 121 degrees Celsius and there must be at least 15 pounds per square inch gauge pressure for at least 30 minutes. Autoclave bins loaded with untreated waste are rolled into the autoclave unit for treatment.

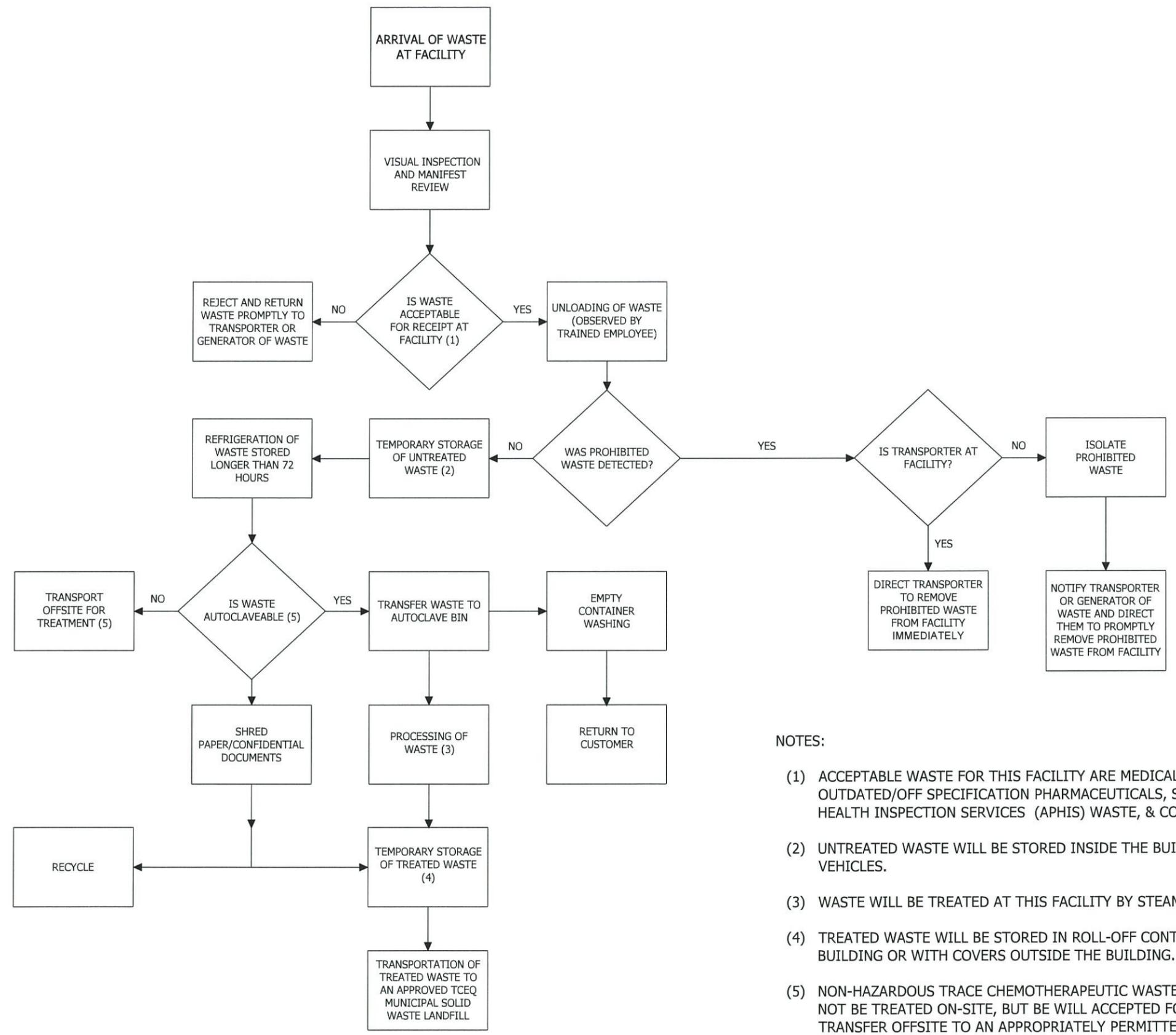
Paper Shredding: Paper such as confidential documents may be shred with a paper shredder. Shredded paper may be recycled or disposed of at an MSW landfill.

Cardboard Baling: A cardboard baler may be used to compress and bale cardboard boxes. The baled cardboard may be recycled.

Temporary Storage of Treated Waste: Autoclave bins containing treated waste will be emptied into waste compactor. Treated waste will be temporarily stored on-site and then transported off-site for disposal at a TCEQ approved municipal solid waste landfill.

Transport of Treated Waste to MSW Landfill: Treated waste will be transported to a TCEQ permitted landfill for disposal.

U:\Core Marine Services Inc\190177 Medical Waste Reg\000\20-Drawings\Exhibits-Imagery\190177 - Flow Diagram Alt - 6.dwg
Monday March 02, 2020, 8:31am



NOTES:

- (1) ACCEPTABLE WASTE FOR THIS FACILITY ARE MEDICAL WASTE, NON-HAZARDOUS AND OUTDATED/OFF SPECIFICATION PHARMACEUTICALS, SEIZED DRUGS, ANIMAL & PLANT HEALTH INSPECTION SERVICES (APHIS) WASTE, & CONFIDENTIAL.
- (2) UNTREATED WASTE WILL BE STORED INSIDE THE BUILDING OR IN LOCKED TRANSPORT VEHICLES.
- (3) WASTE WILL BE TREATED AT THIS FACILITY BY STEAM STERILIZATION/AUTOCLAVE.
- (4) TREATED WASTE WILL BE STORED IN ROLL-OFF CONTAINERS EITHER INSIDE THE BUILDING OR WITH COVERS OUTSIDE THE BUILDING.
- (5) NON-HAZARDOUS TRACE CHEMOTHERAPEUTIC WASTE & PATHOLOGICAL WASTE WILL NOT BE TREATED ON-SITE, BUT BE WILL ACCEPTED FOR TEMPORARY STORAGE & TRANSFER OFFSITE TO AN APPROPRIATELY PERMITTED FACILITY FOR TREATMENT.



02/28/2020
Amy R Hesseltnie

**NUCORE ENVIRONMENTAL SERVICES
HOUSTON, TEXAS**

**FLOW DIAGRAM
ATTACHMENT 6**

LNV TBPE FIRM NO. F-366
TBPLS FIRM NO. 10126500
engineers | architects | surveyors
801 NAVIGATION, SUITE 300 PH. (361) 883-1984
CORPUS CHRISTI, TX 78408 FAX (361) 883-1986
WWW.LNVINC.COM

DATE:	02/28/2020
DRAWN BY:	SCG
CHECKED BY:	AH
APPROVED BY:	AH
JOB NO:	190177

REVISIONS		
DATE	NO.	DESCRIPTION

ATTACHMENT 7

PROCEDURES FOR OPERATION AND TESTING
OF TREATMENT EQUIPMENT

PROCEDURES FOR OPERATION AND TESTING OF TREATMENT EQUIPMENT

Medical waste received at the facility will be treated in accordance with the provisions of 25 Texas Administrative Code (TAC) §1.136 (relating to Approved Methods of Treatment and Disposition).

The facility will use autoclave units to treat waste. The parameters of time, temperature and pressure of the steam sterilization system used at this facility will meet or exceed those required by the Department of State Health Services requirements for steam sterilization found in 25 TAC §1.136. The temperature of the autoclave unit must reach at least 121 degrees Celsius (250 degrees Fahrenheit) and there must be at least 15 pounds per square inch gauge pressure for at least 30 minutes.

The operator will perform weekly testing to demonstrate a minimum four ten log reduction as defined in 25 TAC §1.132 (relating to Definitions) on routine performance testing using Bacillus species biological indicators. An ampule containing Bacillus species will be placed in the approximate center of a fully loaded waste cart and placed into the autoclave. After the treatment cycle, the retrieved ampule is incubated in accordance with manufacturer's instructions. After the incubation period, the ampule is examined for no color change indicating sufficient temperature, pressure, and time to kill Bacillus species. The results of the biological test will be recorded and maintained at the facility.

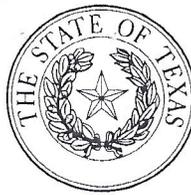
For processes that the manufacturer has documented compliance with the performance standards (temperature, pressure, and time) and for treatment units that a continuous readout and record of operating parameters (temperature, pressure, and time) is available, the operator will substitute routine parameter monitoring for biological monitoring and will maintain records of operating parameters for three years. Parametric monitoring for autoclave units include temperature and pressure. For treatment processes that a continuous readout and record of operating parameters is not available, the operator will conduct weekly performance testing using appropriate Bacillus species biological indicators.

Trace chemotherapeutic waste and pathological waste will be transferred off-site to an appropriately permitted/registered facility for treatment.

Backflow preventers will be used at potable water connections to prevent contamination of potable water supplies.

ATTACHMENT 8

VERIFICATION OF LEGAL STATUS



Office of the Secretary of State

CERTIFICATE OF FILING OF

Nucore Enviromental Services, LLC
File Number: 803409900

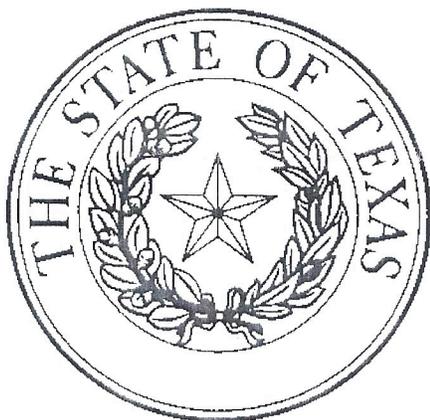
The undersigned, as Secretary of State of Texas, hereby certifies that a Certificate of Formation for the above named Domestic Limited Liability Company (LLC) has been received in this office and has been found to conform to the applicable provisions of law.

ACCORDINGLY, the undersigned, as Secretary of State, and by virtue of the authority vested in the secretary by law, hereby issues this certificate evidencing filing effective on the date shown below.

The issuance of this certificate does not authorize the use of a name in this state in violation of the rights of another under the federal Trademark Act of 1946, the Texas trademark law, the Assumed Business or Professional Name Act, or the common law.

Dated: 08/30/2019

Effective: 08/30/2019



A handwritten signature in black ink, appearing to read "Ruth R. Hughs".

Ruth R. Hughs
Secretary of State

ATTACHMENT 9

TEXAS DEPARTMENT OF TRANSPORTATION COORDINATION LETTERS

TEXAS DEPARTMENT OF TRANSPORTATION COORDINATION LETTERS

The facility will be located at developed site. No public roadway improvements associated with this facility are proposed. Therefore, no coordination with the City of Houston has been made regarding this issue. Documentation of coordination with TxDOT is provided on the following pages of this attachment.



P.O. BOX 1386, HOUSTON, TEXAS 77251-1386 | 713.802.5000 | WWW.TXDOT.GOV

February, 21, 2020

Amy R. Hesseltine, P.E.
LNV, Inc.
801 Navigation Blvd. suite 300
Corpus Christi Texas 78408

RE: Review of request for coordination letter
Nucore Environmental Services
Harris County
IH 610
Control No. 0271-16

Dear Ms. Hesseltine:

We are in receipt of a documentation of coordination request related to the subject facility. After completing the review, the Texas Department of Transportation has no objections. and do not believe there will be a negative impact to the State's roadways.

Should you have any additional questions, please contact Spencer Jackson, Permit Coordinator, at (713) 802-5563.

Sincerely,

A handwritten signature in blue ink, appearing to be "M. Wooldridge".

Handwritten initials "for" in blue ink, positioned to the left of the signature.

Mark D. Wooldridge, P.E.
Director of Maintenance
Houston District

Attachment
cc: Alan D. Moreau, Jr.



engineers | architects | surveyors

Solutions Today with a
Vision for Tomorrow

December 23, 2019

Eliza Paul, P.E.
District Engineer
Texas Department of Transportation
7600 Washington Avenue
P.O. Box 1386
Houston, Texas 77251

Re: Request for Coordination Letter
NuCore Environmental Services
Proposed Medical Waste Management Facility
6410 Long Drive, Houston, Harris County, Texas

Dear Ms. Paul:

The purpose of this letter is to request documentation of coordination with the Texas Department of Transportation for traffic and location restrictions in accordance with requirements set forth in the Texas Commission on Environmental Quality (TCEQ) Regulations regarding medical waste management, specifically 30 TAC §326.71(e)(4).

LNV, Inc. is preparing a TCEQ application for a new medical waste facility to store, transfer and treat medical waste from health-care related facilities. The location for the proposed facility is 6410 Long Drive, Houston, Texas. A map depicting the location is attached.

The facility will utilize mostly box trucks and some tractor trailers with a maximum trailer length of 28 feet. A maximum of 50 vehicles/day are expected to access the facility at full operating capacity. This volume will be distributed throughout the day and will not cause disruption of normal traffic patterns. Loop 610, Interstate 45, and Long Drive are the main roadways that will normally provide access to the facility. No public roadway improvements such as turning lanes are proposed for this facility. This location was previously permitted by another company to operate a medical waste management facility from March 2015 to January 2019.

Please provide a response letter providing traffic and/or location restrictions, if any, on roadways within 1 mile of the facility. If there are no restrictions, please provide a response letter stating so. The information provided will be used to document coordination with your agency, to show adequate road service for the facility and to show that added traffic will not adversely affect the roadways.

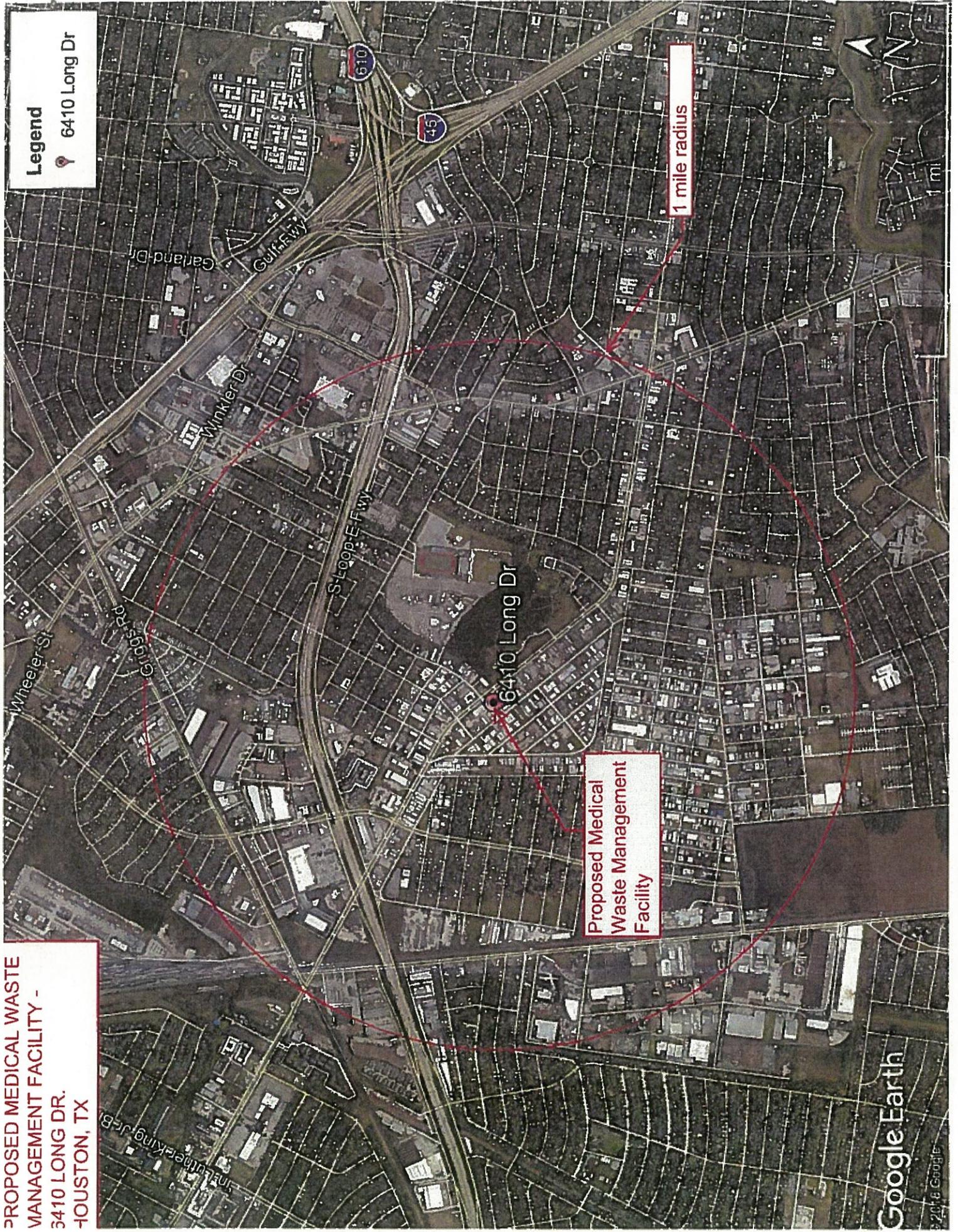
Thank you for your assistance. If you have any questions, please feel free to contact me at (361) 883-1984 or ahesseltine@lvinc.com.

Sincerely,
LNV, Inc.

Amy R. Hesseltn, P.E.
Project Manager

Attachment

PROPOSED MEDICAL WASTE
MANAGEMENT FACILITY -
6410 LONG DR.
HOUSTON, TX



Legend

📍 6410 Long Dr

1 mile radius

Proposed Medical
Waste Management
Facility

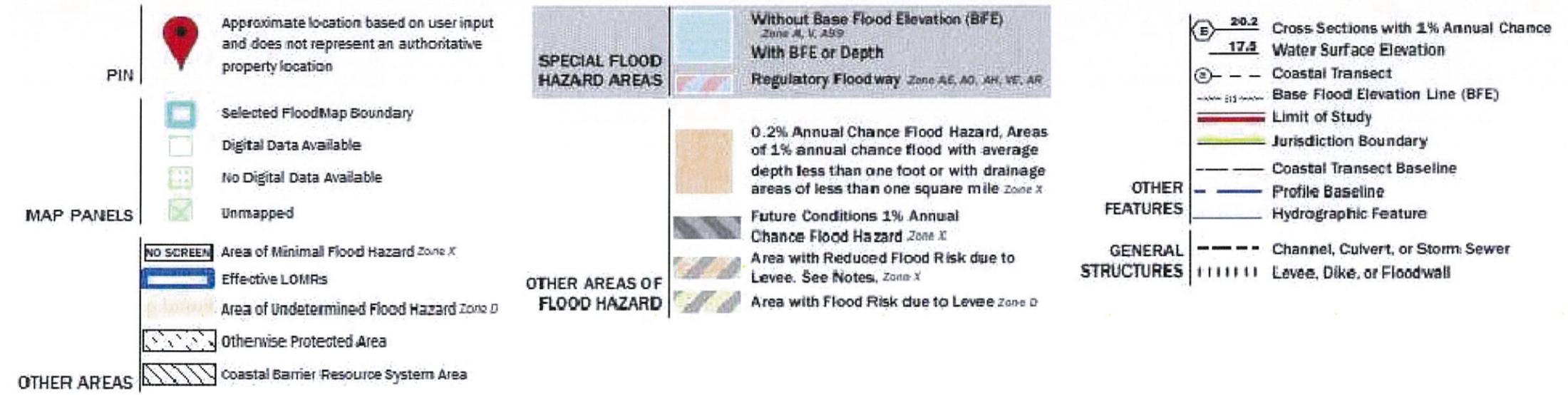
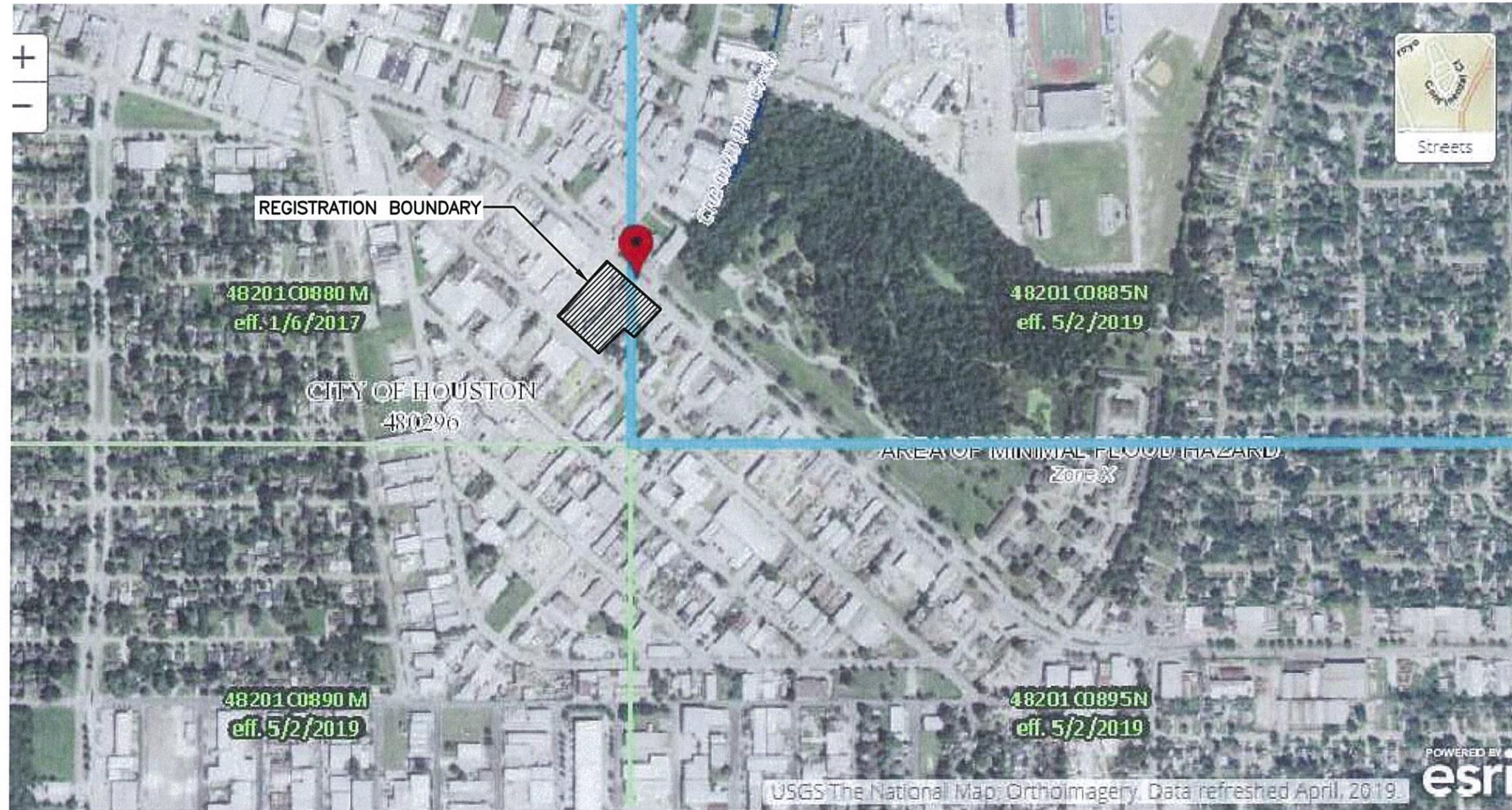
6410 Long Dr

Google Earth

© 2016 Google

ATTACHMENT 10

FEMA MAP



02/28/2020
Amy R. Hesseltné

STERICYCLE INC.
GARLAND FACILITY
GARLAND, TEXAS

FEMA MAP
ATTACHMENT 10

LNV
 engineers | architects | surveyors
 801 NAVIGATION, SUITE 300
 CORPUS CHRISTI, TX 78405
 PH. (361) 883-1984
 FAX (361) 883-1986
 WWW.LNVINC.COM

DATE:	02/28/2020
DRAWN BY:	SCG
CHECKED BY:	AH
APPROVED BY:	AH
JOB NO:	190177

REVISIONS		
DATE	NO.	DESCRIPTION

ATTACHMENT 11

COUNCIL OF GOVERNMENTS REVIEW REQUEST
COORDINATION LETTERS



March 6, 2020

Houston-Galveston Area Council
Solid Waste Management Committee
3555 Timmons Lane
Houston, Texas 77027

Re: Application for New Registration
Nucore Environmental Services, LLC – Harris County
Municipal Solid Waste – Registration No. TBD
RN-TBD / CN-TBD

Dear Committee Members,

Nucore Environmental Services, LLC has applied to the Texas Commission on Environmental Quality (TCEQ) for a registration to operate a medical waste management facility at 6410 Long Drive in Houston, Texas. An application for the registration was submitted to the TCEQ on March 6, 2020.

To comply with Chapter 326 regarding medical waste management, specifically §326.71(g), a copy of the application is hereby submitted for your review for conformance with the regional solid waste plan.

If you have any questions concerning this application submittal, please feel free to contact me at (361) 883-1984 or via email at ahesseltine@lnvinc.com.

Sincerely,



Amy R. Hesseltn, P.E.
Project Manager

Enclosure: Application for Medical Waste Facility

ATTACHMENT 12

CORE DATA FORM



TCEQ Use Only

TCEQ Core Data Form

For detailed instructions regarding completion of this form, please read the Core Data Form Instructions or call 512-239-5175.

SECTION I: General Information

1. Reason for Submission <i>(If other is checked please describe in space provided.)</i>		
<input checked="" type="checkbox"/> New Permit, Registration or Authorization <i>(Core Data Form should be submitted with the program application.)</i>		
<input type="checkbox"/> Renewal <i>(Core Data Form should be submitted with the renewal form)</i>	<input type="checkbox"/> Other	
2. Customer Reference Number <i>(if issued)</i>	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number <i>(if issued)</i>
CN		RN

SECTION II: Customer Information

4. General Customer Information	5. Effective Date for Customer Information Updates (mm/dd/yyyy)	02/27/2020	
<input checked="" type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership <input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)			
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>			
6. Customer Legal Name <i>(If an individual, print last name first: eg: Doe, John)</i>		<i>If new Customer, enter previous Customer below:</i>	
Nucore Environmental Services, LLC			
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number <i>(if applicable)</i>
803409900	32071804317	84-3042534	
11. Type of Customer:	<input type="checkbox"/> Corporation	<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input checked="" type="checkbox"/> Limited
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Other	<input type="checkbox"/> Sole Proprietorship	<input type="checkbox"/> Other:	
12. Number of Employees		13. Independently Owned and Operated?	
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role (Proposed or Actual) – <i>as it relates to the Regulated Entity listed on this form. Please check one of the following:</i>			
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Owner & Operator <input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> Voluntary Cleanup Applicant <input type="checkbox"/> Other:			
15. Mailing Address:	P.O. Box 5357		
	City	Pasadena	State TX ZIP 77508 ZIP + 4
16. Country Mailing Information <i>(if outside USA)</i>		17. E-Mail Address <i>(if applicable)</i>	
		rgonzalez@nucoreservices.com	
18. Telephone Number	19. Extension or Code	20. Fax Number <i>(if applicable)</i>	
(713) 557-5086		() -	

SECTION III: Regulated Entity Information

21. General Regulated Entity Information <i>(If 'New Regulated Entity' is selected below this form should be accompanied by a permit application)</i>	
<input checked="" type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information	
<i>The Regulated Entity Name submitted may be updated in order to meet TCEQ Agency Data Standards (removal of organizational endings such as Inc, LP, or LLC.)</i>	
22. Regulated Entity Name <i>(Enter name of the site where the regulated action is taking place.)</i>	
Nucore Environmental Services, LLC	

23. Street Address of the Regulated Entity: <i>(No PO Boxes)</i>	6410 Long Drive							
	City	Houston	State	TX	ZIP	77087	ZIP + 4	
24. County	Harris							

Enter Physical Location Description if no street address is provided.

25. Description to Physical Location:									
26. Nearest City	Houston				State	TX	Nearest ZIP Code		77087
27. Latitude (N) In Decimal:	29 41 20			28. Longitude (W) In Decimal:	95 18 46				
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds				
29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)		31. Primary NAICS Code (5 or 6 digits)		32. Secondary NAICS Code (5 or 6 digits)				
4953	4212		562119		562219				
33. What is the Primary Business of this entity? <i>(Do not repeat the SIC or NAICS description.)</i>									
Medical waste treatment									
34. Mailing Address:	6410 Long Drive								
	City	Houston	State	TX	ZIP	77087	ZIP + 4		
35. E-Mail Address:	rgonzalez@nucoreservices.com								
36. Telephone Number			37. Extension or Code			38. Fax Number <i>(if applicable)</i>			
(713) 557-5086						() -			

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.

<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input checked="" type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input type="checkbox"/> Waste Water	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

SECTION IV: Preparer Information

40. Name:	Amy Hesseltine	41. Title:	Project Manager
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(361) 883-1984		(361) 883-1986	ahesseltine@lvinc.com

SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	Nucore Environmental Services LLC	Job Title:	CEO
Name <i>(In Print)</i> :	Robert Gonzalez	Phone:	(713) 557-5086
Signature:		Date:	FEB 27, 2020

ATTACHMENT 13

FEE RECEIPT

Your transaction is complete. Thank you for using TCEQ ePay.

Note: It may take up to 3 working days for this electronic payment to be processed and be reflected in the TCEQ ePay system. Print this receipt and the vouchers for your records. An email receipt has also been sent.

Transaction Information

Trace Number: 582EA000382498
Date: 02/28/2020 12:41 PM
Payment Method: CC - Authorization 000000275Q
Amount: \$150.00
ePay Actor: Amy R Hesseltine
Actor Email: hesseltine@gmail.com
IP: 66.196.194.242

Payment Contact Information

Name: Amy Hesseltine
Company: Lnv Inc
Address: 801 Navigation Suite 300, Corpus Christi, TX 78408
Phone: 361-883-1984

Cart Items

Click on the voucher number to see the voucher details.

Voucher	Fee Description	AR Number	Amount
458339	MSW PERMIT/REGISTRATION/AMEND/MOD/TEMP AUTHORIZATIONS APPLICATION FEE		\$100.00
458340	30 TAC 305.53B MWP NOTIFICATION FEE		\$50.00
Total fees for transaction:		\$150.00	

[ePay Again](#) [Exit ePay](#)

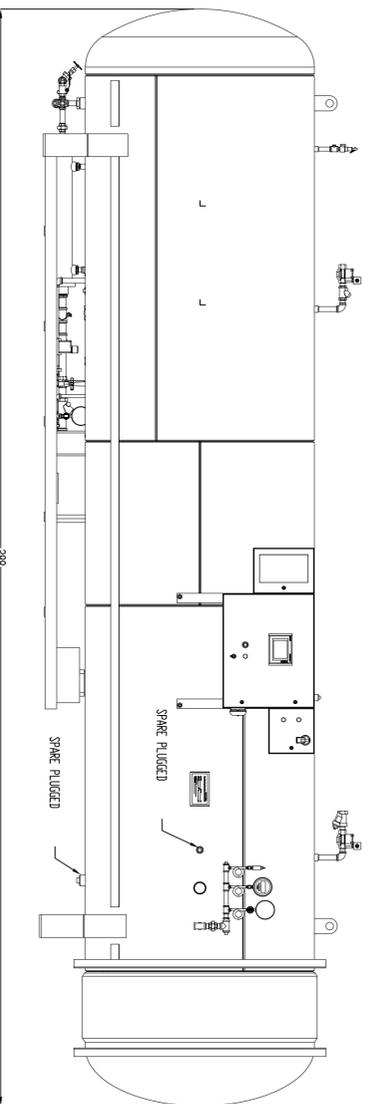
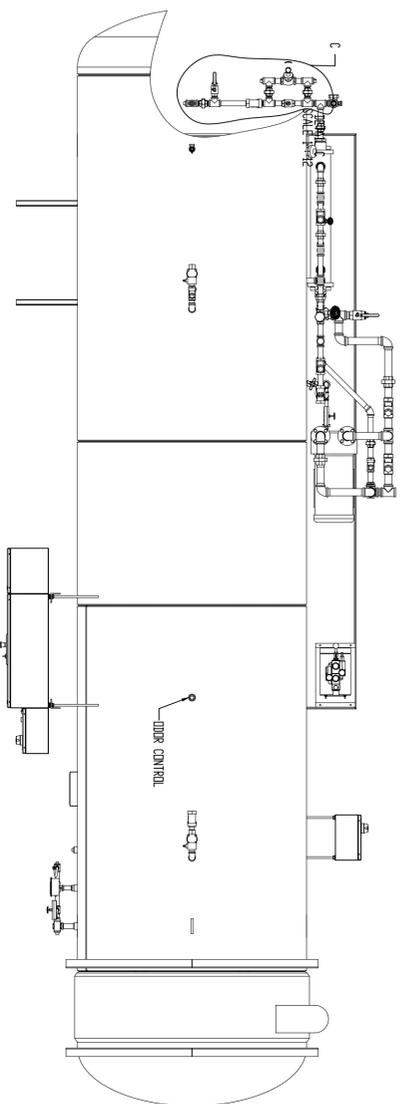
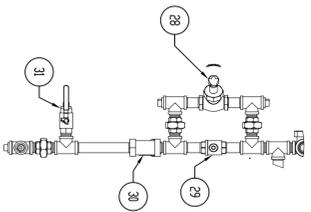
Note: It may take up to 3 working days for this electronic payment to be processed and be reflected in the TCEQ ePay system. Print this receipt for your records.

ATTACHMENT 14

MANUFACTURER SPECIFICATIONS
FOR WASTE MANAGEMENT UNITS

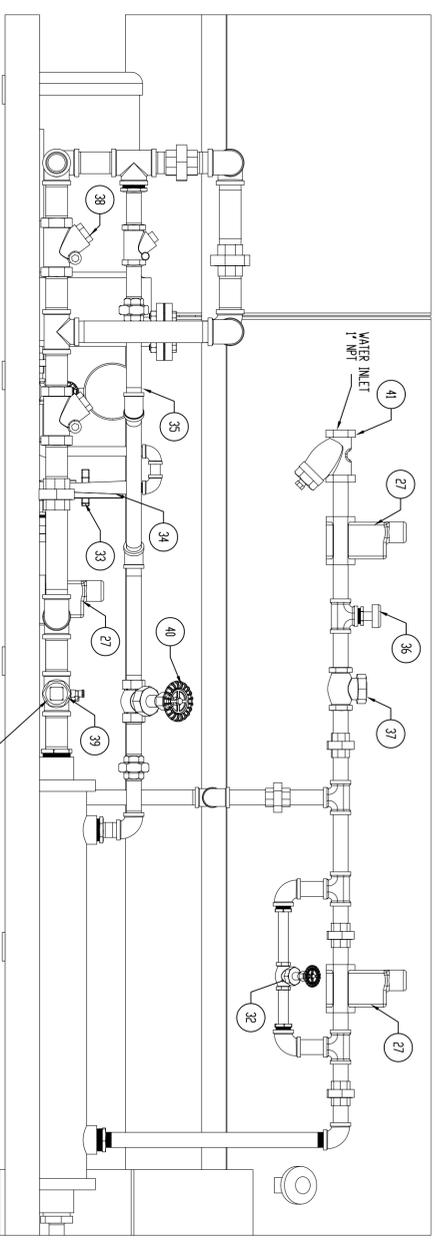
MANUFACTURER SPECIFICATIONS FOR WASTE MANAGEMENT UNITS

Specifications for the autoclave, boiler, paper shredder, and cardboard bailer are included in this attachment. The specifications for the paper shredder and cardboard baler are considered typical. Actual as-built dimensions of the paper shredder and cardboard baler may vary from the specifications included in this attachment, but the equipment will be of similar size and capacity.



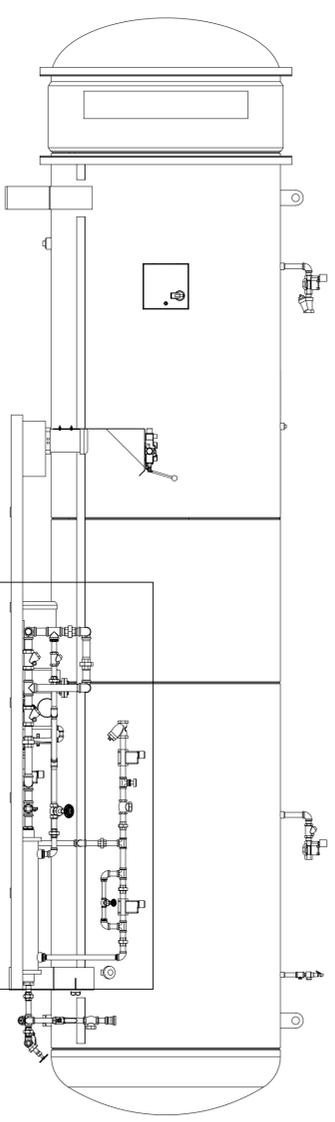
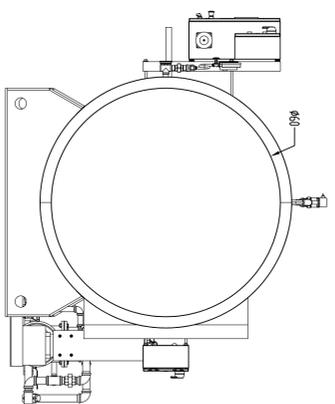
288

ITEM	DESCRIPTION
27	SOLENOID VALVE, (3) 1" HANS
28	GLOBE VALVE, 1" 200 WSP
29	MOTORIZED BALL VALVE, 1" NPT
30	STRAINER, 1" NPT
31	BALL VALVE, 1" NPT w/ PLUG
32	GLOBE VALVE, 1/2" NPT
33	MEERING VALVE, 1/2" NPT
34	FLOW METER, 1/2" NPT
35	PRESSURE GAUGE, 0-100 PSI w/ GAUGE COX
36	MAJUM BREAKER, 3/4" NPT
37	SWING CHECK VALVE, 1" NPT
38	SWING CHECK VALVE, 1-1/2" NPT
39	BALL VALVE, 1-1/2" NPT PLUG
40	GLOBE VALVE, 1" NPT
41	STRAINER, 1" NPT



DETAIL B
SCALE: 1" = 8"

GRAVITY CYCLE
PIPE TO DRAIN
1-1/2" NPT



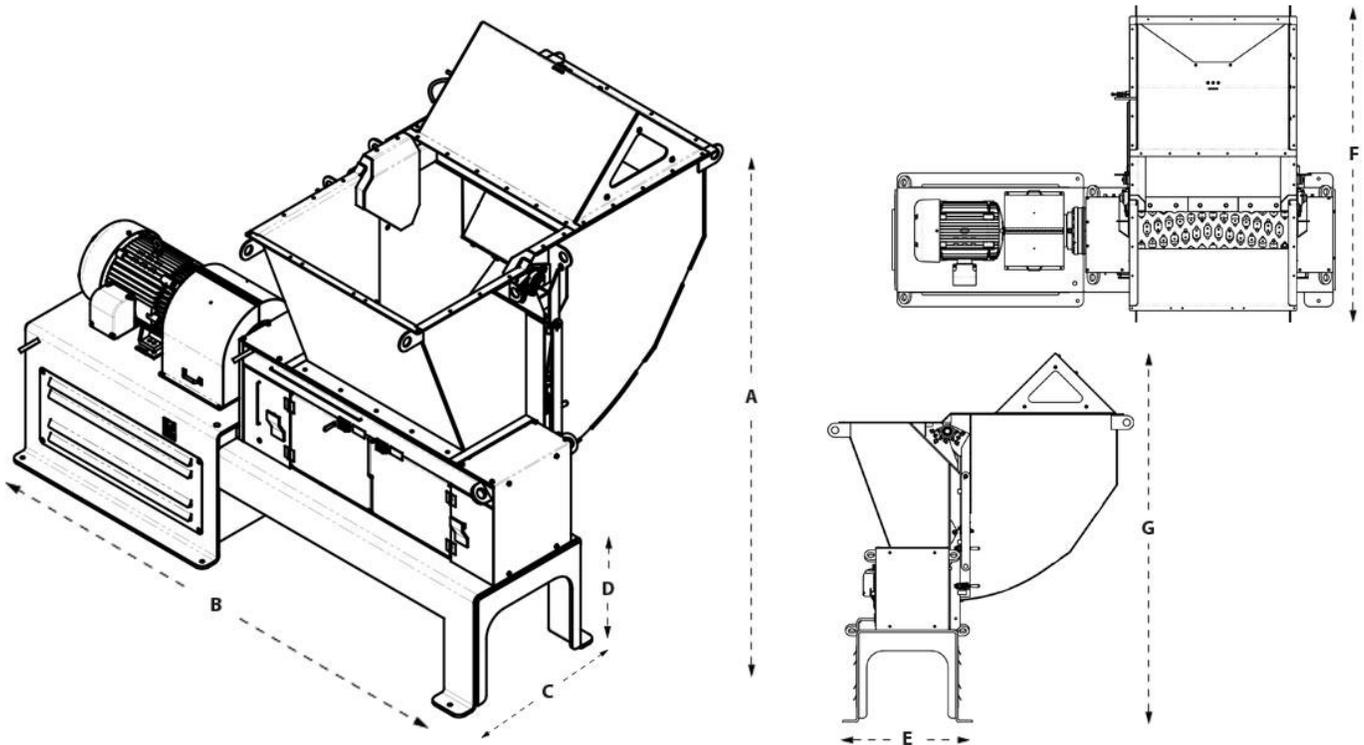
MEDIA

PHOTO GALLERY

DRAWINGS

UNI-SHEAR® ADVANTAGES

SPECIFICATIONS



SHREDDER MODEL:

UNI-SHEAR® SR400

Cutting Chamber (WxL)

1,327 x 1,292 mm (52¼, x 50⅞ in)

Machine Length (B)

5,548 mm (18' 2")

Machine Width (C&E)

2,806 mm (9' 2")

Machine Height (A&G)

2,656 mm (8' 8")

Discharge Height (D)

578 mm (1' 8")

Hopper Width (F)

2666 mm (8' 10")

MEDIA

PHOTO GALLERY

DRAWINGS

UNI-SHEAR® ADVANTAGES

SPECIFICATIONS

SHREDDER MODEL:**UNI-SHEAR® SR400**

Drive	In-line direct-drive
Power	75 kW (100 hp)
Voltage	460/3/60 standard; other options available
Number of Cutters	54
Rotor Diameter	400 mm (15.7 in)
Rotor Speed (rpm)	110
Screen Sizes	10 - 102 mm (3/8 - 4 in)
Active Rotor Length	1230 mm (52 in)
Cutting Chamber (WxL)	1,327 x 1,292 mm (52¼, x 507/8 in)
Hopper Capacity	Approx. 2 m ³ (2.6 yd ³)
Machine Length	5,548 mm (18' 2")
Machine Width	2,806 mm (9' 2")
Machine Height	2,656 mm (8' 8")
Machine Weight (less HPU)	Approx. 6,577 kg (14,000 lbs)
Hydraulic Ram	1 kW (2 hp)

Consult factory for other models and to discuss your processing requirements.

Note: Illustrations, specifications and descriptions presented reflect standard product at time of publication and are subject to change without notice. Dimensions are approximate. Photographs may include optional equipment and accessories. SSI offers compactors, balers, granulators, conveyors and classifiers as well as specialized motors, stands, hoppers, and mobile configurations.

MONTHLY NEWSLETTER SIGN-UP

Specifications

V-6030 HD

V-7230 HD

Performance Data:

Cylinder Bore, Rod & Stroke	6" x 3.5" x 48"	6" x 3.5" x 48"
Pump Flow (gear pump)	10.5 GPM	10.5 GPM
Motor	10 HP	10 HP
(1750 RPM)	(1750 RPM)	
System Pressure	2,000 PSI	2,000 PSI
Max. System Pressure	2,200 PSI	2,200 PSI
Max. Platen Force	62,200 Lbs	62,200 Lbs
Platen Pressure	34 PSI	29 PSI
Cycle Time	58 Seconds	58 Seconds

Electrical Specs (same all models):

Control Voltage:	120 VAC
Electrical:	208/230/460 3-Phase
Control Box:	NEMA 4 UL Listed Box & Controls
Controls:	OFF/ON Security Key Switch; 3 Position Selector Switch; EMERGENCY STOP Button; IEC Motor Starter and Overload; Programmable Smart Relay

Dimensional Data:

A Overall Width (w/auto-eject)	89 1/4"	101 1/4"
B Overall Depth	41 1/2"	44 1/2"
C Overall Depth (w/optional wire guides)	54 1/2"	57 1/2"
D Overall Height	140"	142"
E Feed Height	48 1/4"	50 1/4"
F Feed Opening Width	60"	72"
G Feed Opening Height	25"	25"
H Bale Door Clearance	58"	70"

Bale Size Data:

Bale Size	60"W x 30"D x 48"H	72"W x 30"D x 48"H
Bale Volume	50 cu.ft.	60 cu.ft.
Bale Weight (OCC)	Up to 1,100 Lbs	Up to 1,400 Lbs
No. Bale Ties (14 ga. x 14ft. long)	6	6
Total Baler Weight:	4,300 Lbs	5,400 Lbs

Structural Data:

Body Side Plates: 7 Ga.

Body Floor: 7 Ga. floor plate, 6" structural channel (8" on V-7230)

Floor Structure: 6" structural channel (8" on V-7230)

Top Cylinder Supports: Heavy 8" structural channel integrated into main frame of 10" structural channel and 1" x 12" plate beam with 1" pinning plate

Platen Face: 1/4" plate, 6" structural channels and tubes (8" on V-7230)

Bale Door: 7 ga. door plate, 4" x 3" (6" x 3" on V-7230) structural tube top rail, 4" structural angle and channel

Ejector: Manually-engaged, chain type

Paint: Primer bottom coat, industrial grade top coat, low VOC, high solids

GreenBuilt

Available

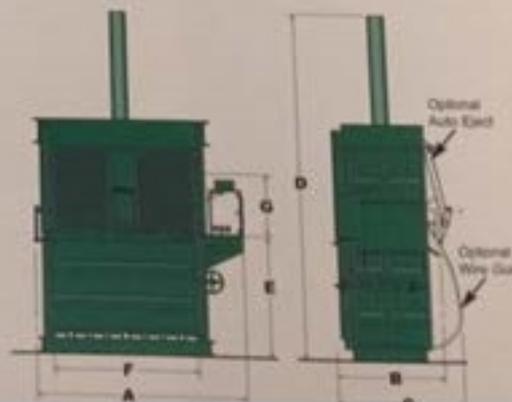
GreenBuilt™

Options

- ▼ All-temperature biodegradable hydraulic fluid
- ▼ 5 HP energy efficient unit with submersible variable displacement pump

Other Available Options

- Bale Made Light
- Electrical Disconnect Switch
- Oil Heater
- Wire Guides (for front bale tie-off)
- Automatic Bale Ejector
- Single Phase Power Unit



ATTACHMENT 15

OTHER SITE OPERATING PLAN, FINANCIAL ASSURANCE,
AND CLOSURE REQUIREMENTS

**OTHER SITE OPERATING PLAN, FINANCIAL ASSURANCE, AND CLOSURE
REQUIREMENTS**

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OTHER SITE OPERATING PLAN, FINANCIAL ASSURANCE, AND CLOSURE REQUIREMENTS

This attachment has been prepared to describe how the facility will comply with the requirements listed in Section 5 of the Application for a Medical Waste Registration (TCEQ-20789).

§326.75(d) STORAGE REQUIREMENTS

§326.75(d) Waste Storage

All solid waste will be stored in such a manner that it does not create a nuisance or result in litter. Waste will be stored in a secure manner and location that affords protection from vandalism, inadvertent human exposure, rain, water, and wind. Solid wastes will be stored in a manner that does not constitute a fire, safety, or health hazard, provide food or harborage for animals and vectors or generate noxious odors.

Untreated medical waste may be temporarily stored at the facility unrefrigerated for up to 72 hours. Untreated medical waste held longer than 72 hours after receipt at the facility will be stored at a temperature of 45 degrees Fahrenheit or less.

§326.75(d)(2) Source Separated or Recycled Material

Storage area(s) for source-separated or recycled material from medical waste facilities, if any, will be provided that are separate from solid waste processing areas. Control of odor, vectors, windblown waste from storage areas will be maintained.

§326.75(d)(3) Containers

Containers will be maintained in a clean condition so that they do not constitute a nuisance. Mechanically handled containers will be designed to prevent spillage or leakage during storage, handling, or transport.

§326.75(d)(4) Stationary Compactors

Stationary compactors will be operated and maintained in such a way as not to create a public nuisance through material loss or spillage, odor, vector breeding or harborage, or other condition.

§326.75(e) RECORDKEEPING AND REPORTING REQUIREMENTS

The facility will maintain all records required by §326.75(e).

§326.75(e)(1) Facility Maintained Records

A copy of the registration, the approved registration application, and any other required plan or related document will be maintained at the facility during the active life of the facility and will be considered part of the operating record for the facility. These plans will be available for inspection by agency representatives or other interested parties.

§326.75(e)(2) Required Records

Information and data will be promptly recorded, as appropriate, in the operating record and retained at the facility during the active life of the facility. The following information will be promptly recorded and retained, in either a printed or electronic format, in the operating record:

- (A) Any and all applicable location-restriction demonstrations;
- (B) Inspection records and training procedures;
- (C) Closure plans, cost estimates and financial assurance documentation relating to financial assurance for closure;
- (D) Copies of all correspondence and responses relating to the operation of the facility, modifications to the registration, approvals, and other matters pertaining to technical assistance; and
- (E) All documents, manifests, and any other document(s) as specified by the approved authorization or by the executive director;

§326.75(e)(3) Signatory Requirements

For signatories to reports, the following conditions apply.

§326.75(e)(3)(A) Signatory Authorization

The owner or operator or by a duly authorized representative of the owner or operator will sign all reports and other information requested by the executive director as described in §305.128 relating to Signatories to Reports and §305.44(a) relating to Signatories to Application.

A person is a duly authorized representative only if:

- i. The authorization is made in writing by the owner or operator as described in §305.44(a);
- ii. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity or for environmental, matters for the owner or operator; and
- iii. The authorization is submitted to the executive director.

§326.75(e)(3)(B) Assignment of New Signatory

If an authorization under this section is no longer accurate because of a change in individuals or position, a new authorization satisfying the requirements of §326.75(e)(3) will be submitted to the executive director prior to, or together with, any reports, information, or applications to be signed by an authorized representative.

§326.75(e)(3)(C) Signatory Certification Statement

Any person signing a report will make the following certification per §305.44(b).

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fines an imprisonment for knowing violations."

§326.75(e)(4) Records Availability

All information contained in the operating record will be furnished upon request to the executive director and will be made available at all reasonable times for inspection by the executive director.

§326.75(e)(5) Records Retention

The owner or operator will retain all information contained within the operating record and the different plans required for the facility for the life of the facility.

§26.75(e)(6) Alternate Record Keeping Schedule

Alternate schedules for recordkeeping and notification stated above may be set by the executive director.

§326.75(e)(7) Shipping Document

When accepting delivery of untreated medical waste for which a shipping document/manifest is required, the owner or operator will ensure each of the following requirements is met:

- (A) A shipping document accompanies the shipment, which designates the facility to receive the waste;
- (B) The owner or operator signs the shipping document and immediately gives at least one copy of the signed shipping document to the transporter;
- (C) The owner or operator retains one copy of the shipping document; and
- (D) Within 45 days after the delivery, the owner or operator sends a written or electronic copy of the shipping document to the generator that includes the total weight of waste received and a statement that the waste was treated in accordance with 25 TAC §1.136 (relating to Approved Methods of Treatment and Disposition).

Copies of waste shipping documents will be maintained at the facility for three years. The shipping documents may be maintained in electronic format.

§326.75(f) FIRE PROTECTION PLAN

This Fire Protection Plan is designed to serve as a guide to aid personnel in the proper procedures/protocols in the event of a fire or other emergency situation. All employees will be properly trained in the contents and use of this Fire Protection Plan. If local fire codes are changed, the Fire Protection Plan will be revised as needed.

An adequate supply of water under pressure for firefighting purposes is available via City of Houston fire hydrants located at the northern and western corners of the property along Weslow Street. Firefighting equipment such as fire extinguishers will be readily available. The primary source of fire protection is the City of Houston Fire Department. The facility will coordinate with the City of Houston to ensure that this Fire Protection Plan and all fire detection/fighting equipment comply with Federal, State and Local fire code requirements. If local requirements are changed, the Fire Protection Plan will be revised, as required.

Fire Prevention Procedures

The most effective way to prevent a fire is to eliminate or minimize all fire hazards. The following procedures will be implemented at the facility to minimize fire hazards.

- Prohibit burning at the facility;
- Designate specific smoking areas and restrict smoking from all other areas by clearly indicated non-smoking signs;
- Maintain clean and clutter-free work areas;
- Handle, store and maintain chemicals appropriately;
- Conduct monthly fire inspections; and
- Train employees to immediately call for professional help in the event of a fire.

Sources and/or Procedures for Fire Protection

The facility is within the jurisdiction of the City of Houston Fire Department. The City of Houston Department is designated as the primary responder for the facility. Other sources and/or procedures for fire protection are as follows:

- Smoke detectors will be placed throughout the building.
- Fire extinguishers will be kept on all equipment and within the building.
- The number of extinguishers located within the building will meet or exceed City of Houston's Fire Code.
- All fire extinguishers will be fully charged and ready for use at all times.
- Each extinguisher will be installed and maintained in accordance with NFPA 10.
- Fire extinguishers will be rated as ABC extinguishers.
- Fire extinguishers will be inspected monthly by site personnel.
- Fire extinguishers will be inspected professionally on an annual basis and recharged, as necessary.

Reporting a Fire

Call 911 to notify the City of Houston Fire Department and give the following information:

Name of Company: **Nucore Environmental Services**
Address of Company: **6410 Long Drive, Houston, Texas**
Nearest Major Cross Street: **S. Wayside Drive**

Extinguishing or Containing a Fire

Employees who have successfully completed fire extinguisher training may attempt to extinguish small fires. Individual judgement to extinguish a fire must be based on the limitations of their training and their ability to safely control the fire and use the following procedures:

- Call 911 for assistance.
- Do not attempt to fight a fire alone.
- Do not attempt to fight a fire without adequate personal protective equipment.
- Be familiar with the use and limitations of firefighting equipment.
- Assess extent of fire and its potential to spread and seek alternatives for extinguishing the fire.
- If it appears that the fire can be safely contained or extinguished with available firefighting devices until the fire department arrives, attempt to contain or extinguish the fire. If a fire extinguisher is to be used, the **PASS** method will be used: **P**ull pin, **A**im at the base of the fire, **S**queeze trigger, and **S**weep from side to side.
- Upon arrival of fire department personnel, maintain access to the facility by having gates opened, alert/direct fire department to the fire, and provide assistance, if requested.

Emergency Evacuation

Supervisors are responsible for ensuring that all assigned evacuation routes and exits are adequately marked and clear from obstructions that could hinder emergency evacuation. In the event of an emergency evacuation, the following procedures will be followed:

- Alert facility personnel and evacuate the building using the closest exit.
- If safe, shut all doors, and turn off the ventilation system to prevent spread of fire.
- Personnel are to quickly move away from the building as soon as they exit from the building and assemble north of the facility, across Weslow Street.
- Alert/contact neighboring buildings/businesses that may be at risk.
- Supervisors are to take a headcount at the assembly area. Emergency personnel are to be notified of missing personnel who might require rescue.
- Employees may not reenter the building until an “all clear” has been given.
- Management will conduct a formal critique of the incident and associated actions.

Employee Training and Safety Procedures

Personnel will be trained upon initial employment and annually thereafter in the following:

- Fire prevention procedures;
- Fire reporting procedures;
- Fire extinguisher use and capabilities; and
- Emergency evacuation procedures.

Personnel training records shall be maintained.

§326.75(h) UNLOADING OF WASTE

§326.75(h)(1) Waste Unloading Area

The unloading of waste will be confined to as small an area as practical. A trained employee will monitor all incoming loads of waste to help prevent the receipt of prohibited waste and to direct the unloading of waste. The owner or operator is not required to accept any waste which they determine will cause or may cause problems in maintaining full and continuous compliance with applicable regulations. Signs may be used to indicate where vehicles are to unload.

§326.75(h)(2) Unauthorized Waste Unloading Areas

The unloading of waste in unauthorized areas will not be allowed. Vehicles will only be allowed to unload material within the processing area and dock area or transfer the material to another transport vehicle/trailer. Any waste deposited in an unauthorized area will be removed immediately and managed properly.

§326.75(h)(3) Prohibited Wastes

Only those waste streams specified in this registration application will be unloaded. The unloading of prohibited wastes will not be allowed. Incoming waste will be inspected by a trained employee. Any prohibited waste discovered prior to unloading will be rejected and returned promptly to the transporter or generator of the waste.

In the event unauthorized materials are unloaded at the site, the material will be rejected and the transporter will be required to immediately remove the waste along with any contaminated materials from the facility. Any undisclosed prohibited waste discovered after unloading will be isolated until the material can be adequately identified. The facility manager and equipment operators have the authority and responsibility to reject loads and require the transporter to immediately remove rejected waste streams and contaminated materials from the facility.

§326.75(i) FACILITY OPERATING HOURS

Waste acceptance and transfer hours for commercial waste transportation companies are 24 hours per day, seven days per week. Normal waste acceptance hours for public use will be from 8:00 am to 5:00 pm, Monday through Friday.

Operating hours for waste processing units is 24 hours per day, seven days per week. The facility may conduct operations for maintenance and housekeeping, as needed, 24 hours per day, seven days per week.

§ 326.75(i)(1) Alternate Operating Hours

Alternative operating hours for special occasions, special purpose events, holidays, or other special occurrences are not anticipated.

§326.75(i)(2) and (3) Temporary Operating Hours

In the event there is a disaster or other emergency situation which could result in the disruption of waste management services in the area, the facility may obtain temporary approval from the local TCEQ Regional Office to accept/operate outside the hours identified above.

In the event that temporary approval is given to accept/operate outside the hours identified above, the dates, times, and duration when any alternative operating hours are utilized will be recorded in the site operating record.

§326.75(j) FACILITY SIGN

A sign will be conspicuously displayed at the entrance through which waste is received. The facility sign will be readable from the facility entrance and the sign will measure a minimum of four feet by four feet with letters at least three inches in height stating the following:

- Facility name;
- Type of facility;
- Hours and days of operation;
- Registration number of the facility; and
- Facility rules.

Additional information may be added to the sign per the discretion of facility management. Additional signs, regarding such site rules as speed limits and exclusion of regulated hazardous and unacceptable waste streams, may also be posted. The posting of erroneous or misleading information shall constitute a violation.

§326.75(k) CONTROL OF WINDBLOWN MATERIAL AND LITTER

Windblown material and litter within the registration boundary will be picked up as necessary to minimize unhealthy, unsafe, or unsightly conditions.

§326.75(l) FACILITY ACCESS ROADS

§326.75(l)(1) All-Weather Access

All-weather access to the unloading area is provided within the facility. The facility entrance and on-site driving and parking areas are concrete and/or asphalt paved. Since the facility is paved, the tracking of mud and debris onto public roadways from the facility is not anticipated.

§326.75(l)(2) Dust Control

Due to paved surfaces at the facility, dust from on-site and other access roadways becoming a nuisance to surrounding areas is not anticipated. In the event there is a problem related to windblown dust, water will be used to control windblown dust. Within the facility, a standard garden hose connected to an on-site water source may be sufficient to apply water.

§326.75(l)(3) Facility Road Maintenance

All on-site paving owned or controlled by the owner/operator will be maintained on a regular basis to minimize depressions, ruts, and potholes, as appropriate. Off-site access roads and their repairs are under the jurisdiction of City of Houston and/or the Texas Department of Transportation.

§326.75(m) NOISE POLLUTION AND VISUAL SCREENING

Waste unloading activities will occur inside the building at the loading/unloading dock. The building walls will provide visual screening and will minimize noise pollution. Waste may also be

transferred from vehicle to vehicle. The vehicles will be parked end to end to provide visual screening and will minimize noise pollution.

§326.75(n) OVERLOADING AND BREAKDOWN

§326.75(n)(1) Design Capacity

The maximum amount of waste to be received at the facility is 50 tons per day. Each autoclave unit has the capacity to treat 22.5 tons in a 24-hr period. The facility will not accumulate solid waste in quantities that cannot be processed/transferred/stored within such time as will preclude the creation of odors, insect breeding, or harborage of other vectors. If such accumulations occur, additional solid waste will not be received until the adverse conditions are abated. Alternately, incoming waste may be transported to another registered/permitted medical waste management facility.

§326.75(n)(2) Work Stoppage and §326.75(n)(3) Alternate Processing Procedures

If a significant work stoppage should occur at the facility due to mechanical breakdown or other causes, the facility will restrict the receiving of waste accordingly. Under such circumstances, incoming waste will be diverted or transported to a registered/permitted medical waste management facility.

If the work stoppage is anticipated to last long enough to create objectionable odors, insect breeding, or harborage of vectors, the accumulated solid waste will be transferred to a refrigeration unit or removed from the facility and taken to registered/permitted medical waste management facility.

Additional transport vehicles or refrigeration units will be brought in as needed. Additional transport units will meet the requirements of 30 TAC §326.53 relating to Transporters. All transporters hauling untreated medical waste will be properly registered in accordance with 30 TAC §326.53.

Additional processing units may be brought in to treat waste. Any additional units brought in to treat waste will be the equivalent to the existing treatment units.

§326.75(o) SANITATION

§326.75(o)(1) Sanitary Facilities

Potable water and sanitary facilities are provided for all employees and visitors. The site is connected to the City of Houston public water and sanitary sewer systems.

§326.75(o)(2) Wash Schedule

All working surfaces that come in contact with wastes shall be washed down on a weekly basis at the completion of processing. When operating on a continuous basis, the facility will be swept daily and washed down at least twice per week.

§326.75(o)(3) and (4) Wash Water Disposal

Wash waters will not be allowed to accumulate onsite. All wash waters will be collected and disposed of in an authorized manner. Wash waters will be managed as detailed in section §326.75(c)(1) Liquids and §326.75(c)(2) Contaminated Water.

§326.75(p) VENTILATION AND AIR POLLUTION CONTROL

All facilities and air pollution abatement devices will obtain authorization, under Texas Health and Safety Code (THSC), Chapter 382 (Texas Clean Air Act) and Chapter 106 or 116 from the Air Permits Division. All facilities and air pollution abatement devices will operate in compliance with all applicable air related rules including Chapter 101 related to prevention of nuisance odors, minimizing maintenance, startup and shutdown emissions, and emission event reporting and recordkeeping.

§326.75(q) HEALTH AND SAFETY PLAN

This plan has been prepared to provide guidance for a safe work environment and a guideline for employees in the event an emergency situation arises during the normal course of work hours. Facility personnel will be trained in the facility's Health and Safety Plan and training records will be maintained.

Training

Each employee upon hiring will be instructed by management as to proper procedures for performing the specific job they were hired for. Each new employee will be given a tour of the entire facility to familiarize themselves with the location of fire extinguishers, telephones, emergency telephone numbers and locations of safety equipment.

Safety and Awareness Meetings

Management will conduct monthly safety meetings to review safety procedures and refresh employees on the importance of safety in the workplace.

Basic Elements

Below is a list of proper safety procedures to be followed during daily operations.

Facility Manager

1. Watch for trucks unloading.
2. Wear gloves while working with waste.
3. Be cautious around the processing unit.
4. Lock facility gates after closing hours.
5. Check fire extinguishers annually to insure proper working order.
7. Check batteries in the smoke alarm in the office/processing area annually.
8. Use common sense.

Waste Handler

1. Watch for trucks entering the facility.
2. Wear gloves while working with waste.
3. Inspect loads as outlined in the Site Operating Plan.
4. Lock facility gates after closing hours.
5. Manage receiving floor.
6. Use common sense.

Emergency Procedures

In the event of an emergency, it may be necessary to seek outside assistance from other agencies.

Primary emergency phone numbers are listed below:

Fire/Police/Ambulance: **911**

Follow-up Notification will be to:

Owner/Operator Management: (713) 557-5086

The following procedures are to be followed in the event of an emergency:

An employee detecting any emergency should notify 911 and then the on-site emergency coordinator, or their designee. Until the on-site emergency coordinator or their designee arrives, the employee should direct site personnel and visitors to evacuate if there is imminent risk to their personal safety.

The employee should administer emergency first aid, if qualified, if someone has been injured. If the injury is moderate, arrangements to transport the injured person to the nearest hospital will then be made. If the injury is severe, contact 911 emergency personnel and administer emergency care until the ambulance arrives.

In the event of a fire or explosion, the employee detecting the fire or explosion will notify 911 and then the on-site emergency coordinator, or their designee, describing the location and extent of the fire or explosion and any need for immediate assistance for first aid or fire containment.

Once the on-site coordinator or their designated representative arrives, the employee will allow him/her to initiate emergency procedures. In the event of any emergency, the employee must be prepared to assist the emergency coordinator and response team.

§326.75(r) DISPOSAL OF TREATED MEDICAL WASTE

Wastes received at this facility will be treated by steam disinfection using autoclave unit(s). When treating waste with the steam disinfection treatment method, the temperature in the autoclave unit must reach at least 121 degrees Celsius (250 degrees Fahrenheit) and there must be at least 15 pounds per square inch gauge pressure for at least 30 minutes.

Medical wastes that have been treated in accordance with 25 TAC §1.136 may be managed as routine municipal solid waste unless otherwise specified in §326.75(r).

Treated microbiological waste, blood, blood products, body fluids, laboratory specimens of blood and tissue, and animal bedding may be disposed of in a permitted landfill. Any markings that identify the waste as medical waste shall be covered with a label that identifies the waste as treated medical waste. The identification of the waste as treated may be accomplished by the use of color coded, disposable containers for the treated waste or by label that states that the contents of the disposable container have been treated in accordance with the provision of 25 TAC §1.136.

Treated carcasses and body parts of animals designated as a medical waste may, after treatment, be disposed of in a permitted landfill in accordance with 30 TAC Chapter 330. The collection and transportation of these wastes shall conform to the applicable local ordinance or rule, if such ordinance or rule is more stringent.

Treated recognizable human body parts, tissues, fetuses, organs, and the products of human abortions, spontaneous or induced, shall not be disposed of in a municipal solid waste landfill. These items shall be disposed of in accordance with the provisions of 25 TAC §1.136(a)(4).

Sharps treated and containerized with one of the approved methods as described under 25 TAC §1.136(a)(5) shall be disposed of in a permitted landfill in accordance with 30 TAC Chapter 330. Unused sharps should be disposed of as treated sharps.

§326.71(I) CERTIFICATION OF FINAL FACILITY CLOSURE

§326.71(I)(1) Notice of Closure

No later than 90 days prior to the initiation of final facility closure, the owner or operator will, through a published notice in the newspaper(s) of largest circulation in the vicinity of the facility, provide public notice for final facility closure. This notice will provide the name, address, and physical location of the facility; the registration number; and the last date of intended receipt of waste. The owner or operator will also make available an adequate number of copies of the approved final closure plan for public access and review.

The owner or operator will also provide written notification to the executive director of the intent to close the facility and place the notice of intent in the facility's operating record.

§326.71(I)(2) Signs and Barriers

Upon notification to the executive director of the intent to close the site, the owner or operator will post a minimum of one sign at the main entrance and all other frequently used points of access for the facility notifying all persons who may utilize the facility or site of the date of closing for the entire facility and the prohibition against further receipt of waste materials after the stated date. Suitable barriers will be installed at all gates or access points to adequately prevent the unauthorized dumping of solid waste at the closed facility.

§326.71(l)(3) Certification of Closure

Within ten days after completion of final closure activities of the facility, the owner or operator shall submit to the executive director by registered mail the following:

- (1) A certification, signed by an independent licensed professional engineer, verifying final closure has been completed in accordance with the approved closure plan. The submittal to the executive director will include all applicable documentation necessary for the certification of final facility closure; and
- (2) A request for voluntary revocation of the facility registration.

§326.71(n) FINANCIAL ASSURANCE

Continuous financial assurance coverage for closure will be provided until all requirements of the closure plan have been completed and the facility is determined to be closed in writing by the executive director.



May 6, 2020

Lee Marklund
Municipal Solid Waste Section
Texas Commission on Environmental Quality
12100 Park 35 Circle
Austin, Texas 78753

RE: Response to Technical Notice of Deficiency No. 1 (NOD1)
Nucore Environmental Services, LLC
Houston, Harris County, Texas
Municipal Solid Waste – Registration No. 40310
RN 107215378 / CN605765437 / Tracking No. 25074979

This letter is provided on behalf of Nucore Environmental Services, LLC, in response to the TCEQ’s April 15, 2020 Technical Notice of Deficiency No. 1 (NOD1) email for the above referenced registration application.

The table below summarizes the revisions to the application in response to the TCEQ Technical NOD comments:

NOD ID	Application Part, Section and Page Number	NOD Description	NOD Resolution
T1	Application Form TCEQ-20789, Section 2, Subsection 2.1, Page 8	Verify growth trends within 1 miles of the facility and correct the number of residences as needed.	Subsection 2.1 has been updated to revise the estimated number of residences within one mile of the facility.
T2	Application Form TCEQ-20789, Section 2, Subsection 2.1, Page 8	Describe new and past development within a 5-mile radius of the facility.	Subsection 2.1 has been revised to discuss development within 5-mile radius of facility.
T3	Application Form TCEQ-20789, Section 2, Subsection 2.2, Page 9	Provide explanation for the expected increase in vehicle traffic from 11,283 to 11,923 per day within 1 mile of the facility.	The previously provided expected vehicle traffic obtained from the H-GAC’s Houston Regional Traffic Count Map for Long Drive was 2019 data. Future traffic counts were not available on the H-GAC map. The traffic count data in the application was revised using average annual daily traffic (AADT) and future traffic data from Texas Department of Transportation (TxDOT) Statewide Planning Map for a station located on Loop 610 north of the facility.

NOD ID	Application Part, Section and Page Number	NOD Description	NOD Resolution
T4	Application Form TCEQ-20789, Section 2, Subsection 2.2, Page 9	Provide justification for projected traffic volume to be 30 vehicles per day. Clarify if it is total or an increase in the existing volume and waste trucks vs employee vehicles.	Projected vehicle traffic of 30 vehicles per day (vpd) generated by the facility includes waste transport vehicles and employee vehicles. Based on a rate of 2.5 tons per transport vehicle, the facility may receive 20 transport vehicles per day to reach the maximum waste acceptance rate of 50 tpd. However, since not all transport vehicles will be fully loaded, the projected transport vehicle volume is estimated to be 25 vpd. The projected volume of employee vehicles is 5 vehicles per day. No changes were made to the registration application in a response to this comment.
T5	Application Form TCEQ-20789, Section 2, Subsection 2.5, Page 12	Describe how the facility will control and contain the worst-case spills in the area outside the storage areas (roll-off containers and compactors).	The compactor will be located inside the enclosed waste processing building which is capable of containing and controlling a worst-case spill. Subsection 2.5 has been revised to state the compactor is located in the enclosed building. The following text was also added to Subsection 2.5: In the unlikely event that a medical waste spill occurs outdoors, the spills will be cordoned off and cleaned immediately. A note was added to the Waste Processing Layout that the compactor and roll-off containers may be located anywhere within the waste processing area.
T6	Application Form TCEQ-20789, Section 3, Subsection 3.2, Page 14	Provide P.E. seal for the Closure Cost Estimate and address third party requirement.	A signed and sealed closure cost estimate is included with this submittal. The cost estimate provided is based on the costs of hiring a third party that is not affiliated with the owner or operator.

NOD ID	Application Part, Section and Page Number	NOD Description	NOD Resolution
T7	Application Form TCEQ-20789, Section 4, Subsection 4.2, Page 16	Specify which medical waste will be accepted (note that 'trace chemotherapeutic waste' is not a regulated medical waste).	Per 326.3(23), medical waste is defined as treated and untreated special waste from health care-related facilities that is comprised of animal waste, bulk blood, bulk human blood, bulk human body fluids, microbiological waste, pathological waste, and sharps as those terms are defined in 25 TAC §1.132 (relating to Definitions). This text was added to Subsection 4.2
T8	Application Form TCEQ-20789, Section 4, Subsection 4.2, Page 17	Clarify that the maximum storage time for the unprocessed waste is 30 days.	The maximum storage time for unprocessed waste is 30 days. Waste held longer than 72 hours will be stored at a temperature of 45 degrees Fahrenheit or less.
T9	Application Form TCEQ-20789, Section 4, Subsection 4.3, Page 17, Appendix 1, & Attachment	Provide the following attachments: a. Texas Pollutant Discharge Elimination System (TPDES) wastewater permit and stormwater permit. And/or b. Provide copy of authorization from City of Houston for facility water discharge into sanitary sewer system.	a. The activities proposed for this facility are covered by Standard Industrial Classification (SIC) 4953: Refuse Systems and SIC Code 4212: Local Trucking without Storage. Since the facility is not a landfill, the activities associated with SIC Code 4953 do not require a TPDES storm water permit. SIC Code 4212 is included in Sector P of TPDES Multi-Sector General Permit TXR050000. However, this facility does not propose to conduct vehicle and equipment maintenance activities, vehicle and equipment rehabilitation, mechanical repairs, painting, fueling or lubrication, or cleaning activities or any other industrial activities that require a storm water permit. Therefore, a TPDES storm water permit is not required for this facility. If at any time the facility conducts activities that require permitting under TPDES or the Clean Water Act, §402, as amended, the owner/operator will obtain the appropriate TPDES permit coverage when required.

NOD ID	Application Part, Section and Page Number	NOD Description	NOD Resolution
T9	Application Form TCEQ-20789, Section 4, Subsection 4.3, Page 17, Appendix 1, & Attachment	(see comment above)	b. Authorization from the City of Houston is not required since the facility's discharge volume is below the threshold requiring a permit to discharge to the City of Houston POTW (25,000 or more gallons per day) and the facility is not an industrial user subject to pretreatment standards established by the EPA. The City of Houston has discharge limits for temperature (Chapter 47, Article V, Disposal of Industrial Waste Through City Sanitary Sewer System). The facility will comply with the temperature limits. The steam from the autoclave unit will go through condensers to lower the steam/water temperature before draining to the waste water lines. The application has been revised to include this information.
T10	Application Form TCEQ-20789, Section 4, Subsection 4.3, Page 18	Delete solid waste "managed by the TCEQ"	"managed by TCEQ approved" is intended to refer to MSW facilities approved/authorized by the TCEQ. To clarify, the wording was changed to MSW landfills/facilities permitted/registered by the TCEQ.
T11	Application Form TCEQ-20789, Section 4, Subsection 4.5, Page 19	Provide access control features for the northeast corner of the facility.	Access to employee parking at the northeast corner of the facility is not fenced. Access from the unfenced employee parking area to the waste processing building is provided by locked doors to the waste processing building and locked sliding gate. As stated in the registration application, waste processing and storage will not occur outdoors in unfenced areas.

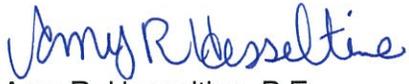
NOD ID	Application Part, Section and Page Number	NOD Description	NOD Resolution
T12	Application Form TCEQ-20789, Section 4, Subsection 4.5, Page 19	Provide justification for the operating hours (24 hours per day, 7 days per week).	The extended hours will minimize the length of time any untreated medical waste is stored at the facility, and in turn will minimize the chance of odor adversely affecting the environment.
T13	Attachment 6	Revise the process flow diagram to clearly show management of source separated recyclables materials.	Process flow diagram has been revised to more clearly show management of source separated recyclables materials.
NT14	Attachment	Provide authorization letter from City of Houston for discharge of contaminated water to the City's Sanitary Sewer System.	Authorization from the City of Houston is not required since the facility's discharge volume is below the threshold (25,000 or more gallons per day) requiring a permit to discharge to the City of Houston POTW and the facility is not an industrial user subject to pretreatment standards established by the EPA.
T15	Attachment 15, 326.75(n)(1), Page 8	Provide number of autoclaves to process medical waste received on-site.	Attachment 15, Section 326.75(n)(1) was updated to state that the facility may have up to two autoclave units.
T16	Attachment 15, Section 326.75(o), Page 8	Describe the disinfection procedures to be used for all surfaces that may come into contact with untreated medical waste in the event of a spill.	Attachment 15, Section 326.75(o) was updated to state that surfaces in contact with waste will be washed down using bleach solution and/or EPA registered disinfectants.

The following replacement pages are included with this response:

- Binder Cover
- Application Form - TCEQ-20789, Cover Page and Table of Contents
- Application Form - TCEQ-20789, pages 3 through 19 and 21
- Attachment 2, Figure 2, Waste Processing Equipment Layout
- Attachment 6, Flow Diagram
- Attachment 15, Other Site Operating Plan, Financial Assurance, and Closure Requirements, Table of Contents and page 8

Each replacement page contains a revision date. An original, two unmarked copies, and one marked copy of the revised pages are enclosed. If you have any questions regarding this NOD1 response or require any additional information, please feel free to contact me at (361) 883-1984 or ahesseltine@lnvinc.com.

Sincerely,



Amy R. Hesseltine, P.E.
Project Manager

Enclosures

cc: Robert Gonzales, Nucore Environmental Services, LLC,
Alma Jefferson, Waste Section Manager, TCEQ Region Office 12

APPLICATION FOR
MEDICAL WASTE FACILITY

NUCORE ENVIRONMENTAL SERVICES
6410 LONG DRIVE
HOUSTON, HARRIS COUNTY, TX 77087

TCEQ MSW REGISTRATION NO. 40310

Owner/Operator:
Nucore Environmental Services, LLC

Initial Application Submittal: February 2020;
Revised May 2020

Prepared by:



engineers | architects | surveyors

TBPE Firm No. F-366
801 Navigation, Suite 300
Corpus Christi, Texas 78408
(361) 883-1984

Texas Commission on Environmental Quality
Application for a Medical Waste Registration

Nucore Environmental Services

Registration Number, 40310

Houston, Harris County, Texas

February 28, 2020

May 4, 2020

Prepared for

Nucore Environmental Services LLC

6410 Long Drive

Houston, Harris County, Texas 77087

Prepared by

Amy Hesseltine, P.E. Project Manager

LNV, LLC

TBPE Firm Registration Number F-366

801 Navigation, Suite 300

Corpus Christi, Texas 78408



5/4/20
Amy Hesseltine

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Section 1—General Information

1.1 Facility Information (must match regulated entity information on Core Data Form)

Facility Name: Nucore Environmental Services, LLC

Regulated Entity Reference No. (if issued): RN107215378

Physical or Street Address (if available): 6410 Long Drive

City: Houston County: Harris State: TX Zip Code: 77087

(Area Code) Telephone Number: (713) 557-5086

Email Address: rgonzalez@nucoreservices.com

Latitude (Degrees, Minutes, Seconds, or Decimal Degrees): 29 deg 41' 20.9652"

Longitude (Degree, Minutes, Seconds, or Decimal Degrees): -95 deg 18' 46.5192"

Activities Conducted at the Facility (check all that apply)

Storage Treatment Transfer Other: _____

Describe the location of the facility with respect to known or easily identifiable landmarks:

Facility location is south of Loop 610 (South Loop) between Mykawa Rd. and Telephone Rd. Nearest intersection is Long Drive and Weslow Street.

Detail access routes from the nearest United States or state highway to the facility:

From Interstate 45, west on Park Pl Blvd to Long Drive. From Loop 610, either south on Telephone Rd. to Long Dr. or south on S. Wayside Dr. to Long Dr.

1.2 Applicant Information

The owner of a facility is the applicant, to whom the registration would be issued.

Owner of Facility (must match customer information on Core Data Form)

Owner Name: Nucore Environmental Services LLC

Contact Person's Name: Robert Gonzalez Title: CEO

Customer Reference No. (if issued): CN605765437

Mailing Address: P.O. Box 5357

City: Pasadena County: Harris State: TX Zip Code: 77508

(Area Code) Telephone Number: (713) 557-5086

Email Address: rgonzalez@nucoreservices.com

Operator of Facility (if not the same as Owner of Facility)

Operator Name: Same as Owner

Contact Person's Name: _____ Title: _____

Customer Reference No. (if issued): CN _____

Mailing Address: _____

City: _____ County: _____ State: _____ Zip Code: _____

(Area Code) Telephone Number: _____ Email Address: _____

Consultant (if applicable)

Firm Name: LNV, LLC

Texas Board of Professional Engineers Firm Registration Number: F-366

Contact Person's Name: Amy Hesseltine, P.E. Title: Project Manager

Texas Board of Professional Engineers License Number (if applicable): 93578

Mailing Address: 801 Navigation, Suite 300

City: Corpus Christi County: Nueces State: TX Zip Code: 78408

(Area Code) Telephone Number: (361) 886-1984 Email Address: ahesseltine@lvinc.com

1.3 Governmental Entities Information

Texas Department of Transportation

District: Houston

District Engineer's Name: Eliza Paul, P.E.

Street Address or P.O. Box: P.O. Box 1386

City: Houston County: Harris State: TX Zip Code: 77251

(Area Code) Telephone Number: (713) 802-5000 Email Address: eliza.paul@txdot.gov

Local Government Authority Responsible for Road Maintenance (if applicable)

Agency Name: City of Houston Street and Bridge Maintenance Branch

Contact Person's Name: Walter Hambrick, Assistant Director

Street Address or P.O. Box: 611 Walker

City: Houston County: Harris State: TX Zip Code: 77002

(Area Code)Telephone Number: (832) 395-2500

Email Address: Walter.Hambrick@houstontx.gov

City Mayor

City Name: Houston

City Mayor's Name: Sylvester Turner

Mailing Address: P.O. Box 1562

City: Houston County: Harris State: TX Zip Code: 77251

(Area Code) Telephone Number: (713) 837-0311 Email Address: mayor@houstontx.gov

Council of Governments (COG)

COG Name: Houston-Galveston Area Council

COG Representative's Name: Erin Livingston

COG Representative's Title: Principal Planner

Street Address or P.O. Box: P.O. Box 22777

City: Houston County: Harris State: TX Zip Code: 77227-2777

(Area Code) Telephone Number: (832) 681-2525

Email Address: Erin.Livingston@h-gac.com

Local Government Jurisdiction

Is the facility located outside the territorial limits or extraterritorial jurisdiction of a city or town? (30 TAC §326.67(a)) Yes No

If yes, and county requires a license, you must obtain a license from the county, and the county must send a copy of the license to the appropriate TCEQ regional office.

City Health Authority (if applicable)

Agency Name: Houston Health Department

Contact Person's Name: Stephen L. Williams, Director

Street Address or P.O. Box: 8000 North Stadium Drive

City: Houston County: Harris State: TX Zip Code: 77054

(Area Code) Telephone Number: (832) 393-5169

Email Address: Stephen.Williams@cityofhouston.net

County Judge Information

County Judge's Name: Lina Hidalgo

Street Address or P.O. Box: 1011 Preston, Suite 911

City: Houston County: Harris State: TX Zip Code: 77002

(Area Code) Telephone Number: (713) 274-7000

Email Address: judge.hidalgo@cjo.hctx.net

County Health Authority (if applicable)

Agency Name: Harris County Public Health

Contact Person's Name: Umair A. Shah, MD, MPH

Street Address or P.O. Box: 2223 West Loop South

City: Houston County: Harris State: TX Zip Code: 77027

(Area Code) Telephone Number: (713) 439-6000

Email Address: Umair.Shah@phs.hctx.net

State Representative

House District Number: 29

Representative's Name: Ed Thompson

District Office Address: 2341 N. Galveston Ave, Suite 120

City: Pearland County: Harris State: TX Zip Code: 77581

(Area Code) Telephone Number: (281) 485-6565

Email Address: Ed.Thompson@house.texas.gov

State Senator

Senate District Number: 6

State Senator's Name: Carol Alvarado

District Office Address: 8799 North Loop Frwy. East, Suite 240

City: Houston County: Harris State: TX Zip Code: 77029

(Area Code) Telephone Number: (713) 453-5100

Email Address: carol.alvarado@house.texas.gov

1.4 Posting of Application on Website [30 TAC §326.69(e)]

Provide the web address (URL) of the publicly accessible internet website where the application and all revisions will be posted:
https://www.invinc.com/wp-content/uploads/2020/03/NUCORE_Registration-Application-Submittal_February-28-2020.pdf

1.5 Copy of Application for Public Viewing

Name of the Public Place: Houston Public Library

Physical Address: 6767 Bellfort Street

City: Houston County: Harris State: TX Zip Code: 77087

(Area Code) Telephone Number: (832) 393-1920

1.6 Notice of Opportunity to Request Public Meeting

Notice Requirement

The owner or operator is required by 30 TAC §326.73 to provide notice of the opportunity to request a public meeting, and to post notice signs.

Indicate the party responsible for publishing notice:

Applicant (Owner or Operator) Consultant

1.7 Application Fee

Indicate how the application fee was paid. Attach a photocopy of the check or a copy of the electronic payment receipt.

Check Online

If paid online, e-Pay confirmation number: 582EA000382498

1.8 Facility Supervisor's License [30 TAC §326.71(c)]

Indicate the type of license that the Solid Waste Facility Supervisor (as defined in 30 TAC Chapter 30), will obtain prior to commencing facility operations:

Class A Class B

Section 2—Facility Design Information

2.1 Impact on Surrounding Area [30 TAC §326.71(a)(5)(A) & (B)]

This section addresses the facility's impacts on cities, communities, groups of property owners, or individuals (attach additional pages to answer the following questions, if necessary):

Describe the character of the surrounding area land uses within one mile of the facility:

The existing development within one mile of the facility is approximately 40% industrial/commercial and 40% single and multi-family residential. The remaining 20% of the existing development consists of office, public and institutional, transportation and utility, park and open spaces, and agricultural production. The City of Houston does not implement zoning. A current land use map was generated based on data obtained from the City of Houston Map Viewer and Houston Land Use Map (see Attachment 3).

Identify growth trends within five miles of the facility with directions of major development:

The area where the facility is located has been developed for decades. The area immediately surrounding the facility is mostly commercial and industrial. The area south of 610, east of 288, west of 45 and north of Airport Blvd is predominately residential. Industrial and commercial developments are located south of Airport Blvd. around the Houston Hobby Airport and west of 288. New development within 5 miles is generally to the southwest and south.

Indicate the approximate number of residences and other uses (e.g. schools, churches, cemeteries, historic structures and commercial sites, etc.) within one mile of the facility:

Located within one mile of the facility are approximately 2,500 single family residences, approximately 256 commercial tracts, 4 recreational areas, 8 churches, 2 day cares, and 5 schools. There are no hospitals, cemeteries, historic structures or major ponds or lakes within one mile of the facility.

Indicate the distance to the nearest residence(s): 725 feet miles

Provide directions to the nearest residence(s): West

Indicate the distance to the nearest commercial establishment(s): 5 feet miles

Provide directions to the nearest commercial establishment(s):

The nearest commercial establishment is the American Water System site adjacent to the southeast property boundary.

2.2 Transportation [30 TAC §326.71(e)]

Access Roads

Complete Table 1 regarding the roads that will be used to access the site.

Table 1. Roads That Will be Used to Access the Site.

Name of Road	Surface Type and Number of Lanes
Long Drive	Asphalt, 4 lane divided
Loop 610	Concrete, 8 lane divided
Highway 45	Concrete, 8 lane divided
Telephone Road	Asphalt, 4 lane
S. Wayside Drive	Concrete, 4 lane divided

Daily Traffic Volume

Complete Table 2 regarding existing and expected volume of vehicular traffic on access roads within one mile of the facility, and the projected volume of traffic expected to be generated by the facility on access roads within one mile of the facility.

Table 2. Traffic Volume.

Vehicle Traffic	Volume (vehicles per day)
Existing Vehicle Traffic	177,602 (2018)
Expected Vehicle Traffic	237,964 (2038)
Projected Vehicle Traffic Generated by Facility	30

Describe the source of or method used to obtain the volumes (attach additional pages to answer this question if necessary):

Existing (2018) average annaul daily traffic count for Loop 610 obtained from Texas Department of Transportation's Statewide Planning Map. . Expected future traffic for Loop 610 was also obtrained from TxDOT's Statewide Planning Map. https://www.txdot.gov/apps/statewide_mapping/StatewidePlanningMap.html

If traffic volume was determined by counts in the field, indicate the locations where the counts were conducted (attach additional pages to answer this question if necessary): TxDOT identifies the AADT location on Loop 610 as Station Flag: 102H188A.

2.3 Floodplain and Wetlands [30 TAC §326.71(f)]

Will the facility be located within a 100-year floodplain?

Yes No Identify the floodplain zone Zone X - Area of Minimal Flood Hazard

Attach a copy of the Federal Emergency Management Administration administrator (FEMA) flood map for the area. Map provided in Attachment 10.

If the facility will be within a 100-year floodplain, attach documentation demonstrating that the facility is designed and will be operated in a manner to prevent washout of waste during a 100-year storm event, or that the facility has obtained a conditional letter of map amendment from the FEMA.

Will the facility be located in wetlands?

Yes No

If yes, attach documentation to the extent required under Clean Water Act, §404 or applicable state wetlands laws.

2.4 Buffer Zones and Easement Protection [30 TAC §326.71(h)(3)]

Is the buffer zone in any location at the facility less than 25 feet wide?

Yes No

If yes, describe your alternative buffer zone and how it will allow access for emergency response and maintenance (attach additional pages to answer this question if necessary):

A 25 ft buffer will be maintained everywhere except where the existing buildings are located closer than 25 ft to the registration boundary. The waste processing building is approximately 13 ft from the southern registration boundary along Mayfair Boulevard. The warehouse building is approximately 10 ft from the southern and western registration boundaries. Therefore, alternative buffers will be maintained along portions of the southern and western boundaries coinciding with the distance between the registration boundary and the existing buildings. Refer to Facility Access and Facility Layout Map in Attachment 2 for locations and distances of alternative buffers.

Since the alternative buffers coincide with the location of the existing building, the alternative buffers do not impose additional limitations to access. There are six access points (gates) to the facility for emergency response and maintenance. The facility will be managed to not allow materials to be stored in a manner that would block access through the gates.

The Facility Access and Facility Layout Map in Attachment 2 also shows the locations of easements within the registration boundary. No solid waste loading/unloading, transfer, storage, or processing operations will occur within the buffer zone or any easement or right-of-way that crosses the registration boundary. Waste storage in a refrigerated transport vehicle(s) parked in the buffer zone, an easement or a right-of-way, however, is allowable.

2.5 Waste Management Unit Designs [30 TAC §326.71(i)]

Waste Management Unit Details

List each waste management unit in Table 3. Include attachments documenting manufacturer specifications.

Table 3. Design Details and Manufacturer Specifications for Waste Management Units.

Unit Type	Minimum Number of Units	Design Details	Approximate Dimensions	Approximate Capacity per Unit
Autoclave* (and associated boiler)	1 unit minimum (up to 2 units)	See Attachment 14	5 ft diameter by 24 ft long	1,875 lb/hr
Compactor	1 unit minimum (up to 2 units)	Typical self contained compactor	8 ft Wide; 23 ft Long; 8.75 ft High	Up to 40 cubic yards
Roll-offs	1 (varies)	Typical steel roll-off containers	8 ft Wide; 23 ft Long; up to 8.5 ft High	Up to 40 cubic yards
Refrigeration Units	1 (varies)	Typical refrigerated truck/trailer	8 ft Wide; 9 ft Tall; up to 53 ft Long	60 to 130 cubic yards
Cardboard Baler**	1	See Attachment 14	7.5 ft wide; 3.5 ft deep; 11.5 ft high	50 cubic feet
Paper Shredder**	1	See Attachment 14	18 ft long; 9 ft wide; 8.75 ft high	2.6 cy/batch

*Initially, one autoclave will be installed. A second autoclave may be added in the future.

**Cardboard Baler and paper shredder equipment will not be purchased and installed at the facility initially. This equipment will be added at a later time.

Foundations and Supports

Provide a generalized description of construction materials for slab and subsurface supports of all storage and processing components (attach additional pages to answer this question if necessary):

The waste processing building is supported on a reinforced concrete slab on grade foundation capable of supporting the building and the processing and waste storage units. The waste

processing units will be installed on the existing slab-on-grade building foundation. No additional foundation reinforcement will be required to support the equipment.

Contaminated Water Management

Describe how storage and processing areas will be designed to control and contain spills and prevent contaminated water from leaving the facility. For unenclosed containment areas, also account for precipitation from a 25-year, 24-hour storm (attach additional pages to answer this question if necessary):

Waste processing units and compactor are located in the enclosed waste processing building which is capable of controlling and containing worst case spills or releases and contaminated water from leaving the facility. All contaminated process water or spills will be collected and placed into the processing unit or discharged to the sanitary sewer via sink and floor drains in the processing building. Any untreated waste stored outside of the enclosed building will be contained inside of leak proof transport vehicles which are capable of containing any spills and preventing storm water from contacting the waste. In the unlikely event that a medical waste spill occurs outdoors, the spill will be cordoned off and cleaned immediately.

Storage of medical waste will be in a secure manner and location that affords protection from theft, vandalism, inadvertent human or animal exposure, rain, water, and wind. The waste will be managed so as not to provide a breeding place or food for insects or rodents, and not generate noxious odors.

2.6 Treatment Requirements [30 TAC §326.71(j)]

Attach a written procedure for the operation and testing of any equipment used, and for the preparation of any chemicals used in treatment. Procedures provided in Attachment 7.

Section 3—Facility Closure

3.1 Closure Plan [30 TAC §326.71(k)]

The operator must comply with the closure requirements listed in 30 TAC §326.71(k).

List other activities that the facility will conduct during closure, if any (attach additional pages to answer this question if necessary):

Upon closure, the owner or operator will remove all waste, waste residue, and any recovered materials. All facility units will be decontaminated, dismantled and removed off-site. The owner or operator will transport all untreated medical waste to a TCEQ authorized facility and disinfect all receiving, processing and post-processing areas. Final disposition of treated medical waste will be at an authorized facility. Closure of the facility must be completed within 180 days following last acceptance of processed or unprocessed materials unless otherwise directed or approved in writing by the executive director.

No later than 90 days prior to the initiation of final facility closure, the owner or operator will, through a public notice in the newspaper(s) of largest circulation in the vicinity of the facility, provide public notice for final facility closure. This notice will provide the name, address, and

physical location of the facility; the registration number; and the last date of intended receipt of waste. The owner or operator will also make available an adequate number of copies of the approved final closure plan for public access and review. The owner or operator will also provide written notification to the executive director of the intent to close the facility and place the notice of intent in the site operating record.

Upon notification to the executive director of the intent to close the site, the owner or operator will post a minimum of one sign at the main entrance and all other frequently used points of access for the facility notifying all persons who may utilize the facility or site of the date of closing for the entire facility or site and the prohibition against further receipt of waste materials after the stated date. Further, suitable barriers will be installed at all gates or access points to adequately prevent the unauthorized dumping of solid waste at the closed facility.

Within 10 days after completion of final closure activities of the facility, the owner or operator shall submit to the executive director by registered mail a certification, signed by an independent licensed professional engineer, verifying final closure has been completed in accordance with the approved closure plan. The submittal to the executive director will include all applicable documentation necessary for the certification of final facility closure. Upon closure of the facility, the owner or operator will request a voluntary revocation of the registration.

3.2 Closure Cost Estimate [30 TAC §326.71(m)]

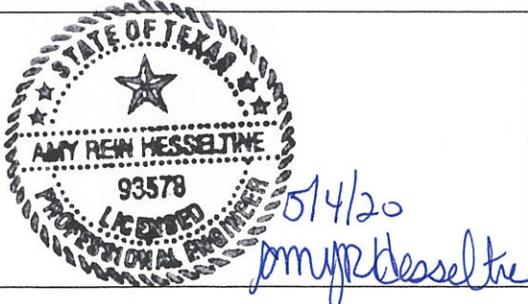
Provide itemized closure cost estimates in Table 4. The cost estimates must meet the requirements listed in 30 TAC §326.71(m).

Attach documents detailing any additional unit closure costs not itemized. Enter the total of those additional unit closure costs on line 13 of the closure cost worksheet in Table 4.



Table 4. Closure Cost Estimates Worksheet.

Item No.	Item Description	Unit of Measurement	Quantity	Unit Cost	Total Cost
1	Site Evaluation and Engineering Review	NA	1	\$1200	\$1200
2	Bid Document and Procurement	NA	1	\$2400	\$2400
3	Contract Award and Administration	NA	1	\$1200	\$1200

Item No.	Item Description	Unit of Measurement	Quantity	Unit Cost	Total Cost
4	Clean-Up, Removal and Transport of Waste Stored On-Site	NA	1	\$2400	\$2400
5	Disposal of Waste at an Authorized Facility	Tons	50	\$35	\$1750
6	Waste Treatment	Tons	50	\$360	\$18000
7	Process Units Dismantling	NA	1	\$2400	\$2400
8	Wash Down and Disinfection of Facility and Processing Units	NA	1	\$2400	\$2400
9	Vector Control	NA	1	\$200	\$200
10	Site Security	NA	1	\$200	\$200
11	Signs, Newspaper Notice and TCEQ Notice	NA	1	\$2000	\$2000
12	Facility Inspection and Closure Certification by Licensed Engineer	NA	1	\$3000	\$3000
13	Additional Storage and Processing Unit Closure Cost Items (describe in attachments)	Identify Attachments	NA	NA	\$0
14	Storage and Processing Unit Closure Costs Subtotal	NA	NA	NA	\$32350
15	Contingency Cost 10%	NA	NA	NA	\$3235
16	Total Closure Cost Estimate	NA	NA	NA	\$35585
					

Section 4—Site Operating Plan

4.1 General [30 TAC §326.75(a)]

Provide the function and minimum qualifications for each category of key personnel to be employed at the facility including supervisory personnel in the chain of command (attach additional pages to answer this question if necessary):

The facility will be under the overall direction of the owner and/or operator or other such person as may be appointed. On-site daily operations will be under the supervision of a facility manager. Below are descriptions of functions and minimum qualifications for each category of key personnel to be employed at the facility.

Facility Manager – Functions: managing employees and facility operations, maintaining compliance with the facility’s registration and all applicable regulations, maintaining the operating record in accordance with the registration, and employee training. Minimum qualifications: knowledge of applicable regulations, knowledge of facility’s registration and site operating plan, knowledge of the processing unit, and management experience. Facility Manager reports to owner/operator.

Waste Handler – Functions: inspection of incoming loads and accompanying documentation, supervision of the receiving floor and the loading/unloading of transport vehicles, operation of the processing unit(s), completion of all necessary logging and reporting documents, and disinfection of reusable carts/containers. Minimum qualifications: knowledge of facility’s site operating plan, and knowledge of processing unit. Equipment operator(s) report to the facility manager.

Driver – Functions: collecting and transporting waste to the facility, maintaining required documentation, loading/unloading transport vehicle and assisting the equipment operator as needed. Minimum qualifications: knowledge of regulations relating to transportation of medical waste, and have a valid Driver’s License or a Commercial Driver’s License (CDL), if applicable. A driver may not be stationed at the facility, but will report to the facility manager and/or equipment operator when on-site.

Describe the procedures that the operating personnel will follow for the detection and prevention regarding the receipt of prohibited wastes, including random inspections of packaging of incoming loads, records, and training (attach additional pages to answer this question if necessary):

Procedures used to identify prohibited waste include random inspections packaging of incoming waste and accompanying manifests/shipping documents by trained employees. Random visual inspections of packaging for incoming waste containers will be conducted a minimum of once per week to verify proper markings have been placed on all containers of waste. The facility manager or designee will determine when to conduct the inspections.

Safety precautions and personal protective equipment will be part of the random inspection process to allow for safe inspections. Personnel conducting the inspections will wear personal protective equipment that is appropriate for the waste being inspected. The facility manager may provide recommendations for additional precautions to be taken during the inspection.

If a waste is not readily identifiable, the inspector will contact the facility manager or designee who will attempt to determine if the waste is acceptable for receipt at the facility by: 1) reviewing paperwork (e.g., manifests, trip tickets, SDS sheets), 2) questioning the transporter about the origin of the waste, 3) contacting the generator, and/or 4) using knowledge based on container packaging labels. During this identification process, the waste will not be authorized for receipt but, instead, be isolated until the waste can be adequately identified.

Any unauthorized waste discovered during inspections will be handled in accordance with section §326.75(h)(3) below relating to prohibition on incoming waste streams.

Operational staff will receive training on random inspection guidelines. All training records and inspection records, will be maintained in the site operating record.

4.2 Waste Acceptance [30 TAC §326.75(b)]

Describe all sources and characteristics of medical wastes to be received for storage and processing or disposal (attach additional pages to answer this question if necessary):

The facility will receive, transfer, store, and process medical waste as defined in §326.3(23), non-hazardous pharmaceuticals, and confidential documents. §326.3(23) defines medical waste as treated and untreated special waste from health care-related facilities that is comprised of animal waste, bulk blood, bulk human blood, bulk human body fluids, microbiological waste, pathological waste, and sharps as those terms are defined in 25 TAC §1.132 (relating to Definitions).

Untreated medical waste will be managed in accordance with 25 TAC Subchapter K and 30 TAC Chapter 326. Untreated medical waste may be temporarily stored at the facility unrefrigerated for up to 72 hours after receipt at the facility. Untreated medical waste held longer than 72 hours after receipt at the facility will be stored at a temperature of 45 degrees Fahrenheit or less.

Non-hazardous trace chemotherapeutic waste and pathological waste will not be treated at this facility, but will be accepted for temporary storage and transfer to an appropriately permitted/registered facility for treatment.

Sources of waste streams include hospitals, clinics, nursing homes, and other health care related facilities. Regulated medical waste will be received in approved Federal and State required packaging.

In addition, the facility may accept regulated garbage as defined by the Animal and Plant Health Inspection Services (APHIS) of the United States Department of Agriculture. Prior to accepting APHIS wastes, the facility will seek approval from the Administrator of APHIS. The facility will obtain authorization from the Drug Enforcement Administration (DEA) prior to accepting any controlled substances.

The facility will not accept regulated hazardous wastes.

Describe the sources and characteristics of recyclable materials, if applicable, to be received for storage and processing (attach additional pages to answer this question if necessary):

Acceptable source separated recyclables include confidential documents, cardboard, and plastic containers. These waste streams will be received from off-site sources such as hospitals, clinics, nursing homes, and other health care related facilities. Confidential documents may be shredded and recycled. Cardboard boxes may be baled and recycled.

Plastic containers such as sharps containers will be pressure washed and returned to generator for reuse.

Maximum amount of waste to be received daily: 50 pounds/day tons /day

Maximum amount of waste to be stored at any point in time: 50 pounds tons

Maximum length of time waste is to remain at the facility: 30 hours days

Specify the maximum time that unprocessed and processed wastes will be allowed to remain on-site:

Processed: 10 hours days

Unprocessed: 30 hours days

Identify the intended disposition of processed and unprocessed waste received at the facility (attach additional pages to answer this question if necessary):

Untreated medical waste will be managed in accordance with 25 TAC Subchapter K and 30 TAC Chapter 326. Untreated medical waste may be temporarily stored at the site unrefrigerated for a time period not to exceed 72 hours. After 72 hours, the untreated medical waste will be stored at a temperature of 45 degrees Fahrenheit or less.

Once treated, the steam sterilized waste will be placed in roll-off containers for disposal at an approved landfill in accordance with 25 TAC §1.136 and 30 TAC §326.75(r).

Pathological waste and non-hazardous trace chemotherapeutic waste received at the facility may be stored prior to transferring off-site to an approved MSW facility able to receive the waste.

Any unauthorized waste discovered during inspections will be handled in accordance with section §326.75(h)(3) below relating to prohibition on incoming waste streams.

4.3 Generated Waste [30 TAC §326.75(c)]

Describe how all liquids and solid waste resulting from the facility operations will be disposed of in a manner that will not cause surface water and groundwater pollution (attach additional pages to answer this question if necessary):

All liquids resulting from the facility operations will be disposed of in a manner that will not cause surface water or groundwater pollution.

Working surfaces, including containers, that have come in contact with untreated medical waste will be cleaned and/or sanitized. Wash water resulting from routine cleaning and sanitizing activities will be collected and either placed into the treatment unit or discharged to the City of Houston sanitary sewer system. Condensate from the autoclave system will also be discharged to the City of Houston sanitary sewer system. Management of discharges will be in accordance with local requirements and all necessary authorizations and approvals will be obtained and retained within the operating record at the site.

Waters not generated from the sanitation of surfaces in contact with untreated medical waste (i.e. water from restroom, office area) will be discharged to the City of Houston sanitary sewer system. A discharge permit is not required for this type of discharge.

Solid wastes generated by the facility are characterized as municipal solid waste. Municipal solid wastes generated by the facility can be adequately managed by MSW landfills permitted by the TCEQ.

Solid wastes treated at the facility are characterized as treated medical waste and treated Animal and Plant Health Inspection Services (APHIS) waste. Solid wastes treated at the facility can be adequately managed by MSW facilities appropriately permitted/registered by the TCEQ. All treated waste will be disposed at a MSW landfill permitted by the TCEQ.

Waste will be stored inside the enclosed building, an enclosed transport vehicle/trailer or covered roll-off container outside of the building. Since waste will be stored under cover, contaminated water resulting from contact with untreated medical waste is not anticipated unless a spill occurs. In the event of a spill, the waste will be collected and placed into the treatment unit. Any contaminated water generated from contact with untreated medical waste resulting from a spill will be absorbed (i.e. with cloth or paper towel) or collected (i.e. with mop and bucket), managed as untreated medical waste, and placed into the treatment unit.

Contaminated water can be properly managed without collection units (i.e. storage tanks and/or lined units). No contaminated water will be discharged off-site without specific written authorization.

4.4 Access Control [30 TAC §326.75(g)]

Describe how public access to the facility will be controlled (attach additional pages to answer this question if necessary):

Public access to the facility will be controlled by a minimum four (4) foot tall perimeter fence topped with barbed wire and lockable entrance gates and buildings with lockable doors.

A section in the northeast corner of the property used for employee parking is not fenced. Waste storage and processing will not occur outdoors in unfenced areas. Waste storage will occur within an enclosed transport vehicle or inside the enclosed waste processing building. The buildings and transport vehicles will have lockable doors which will be closed and locked when not in use. The operating area is located within an enclosed building with lockable doors. A trained employee shall be on-site during operating hours.

Describe how access roads and parking areas will be maintained to control dust and prevent mud from being track off-site (attach additional pages to answer this question if necessary):

Public roads used by transport vehicles to access the facility are paved. Access roads and parking areas within the facility are also paved. Dust and mud are not anticipated due to the access roads and on-site parking areas being paved. In the event there is a problem related to windblown dust, water will be used to control windblown dust. Within the facility, a standard garden hose connected to an on-site water source may be sufficient to apply water.

The facility entrance is a concrete paved two-lane entrance, designed for the expected traffic flow. Adequate turning radii for transport vehicles that will utilize the facility is available to avoid disruption of normal traffic patterns. On-site driving and parking areas are concrete and/or asphalt paved. Parking will be provided for transport vehicles, employees and visitors. Incoming waste will be off loaded directly into the facility building or into another transfer vehicle/trailer, therefore safety bumpers will not be provided.

Access to the facility will be controlled by a perimeter fence, with lockable gates. Identify or describe the type of fence that will be installed at the facility:

A four-foot-high barbed wire fence;

A six-foot-high chain-link fence; or

Other: _____

4.5 Operating Hours [(30 TAC §326.75(i)]

Provide the operating hours of the facility; ***include justification for hours outside of 7:00 a.m. to 7:00 p.m., Monday through Friday:***

Waste acceptance and transfer hours for waste transportation vehicles is 24 hours a day, seven days a week. Waste processing hours is 24 hours per day, seven days per week. The facility may conduct operations for maintenance and housekeeping, as needed, 24 hours per day, seven days per week. Additional operating hours outside of 7 am to 7 pm, Monday through Friday are necessary to accommodate customer and business needs.

List the alternative operating hours, if any, of up to five days in a calendar-year period:

The need for alterative operating hours for special occasions, special purpose events, holidays, or other special occurrences is not anticipated.

Section 6—Applicant Certification and Signature

The applicant is the person or entity who would be the owner of the facility and in whose name the registration would be issued. If the application is signed by an authorized representative for the applicant, the applicant must complete the delegation of signature authority.

Certification by Applicant or Authorized Signatory [30 TAC §305.44]

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name of applicant, or other person authorized to sign: ROBERT GONZALEZ

Title of person signing: CFO

Signature: [Signature] Date: May 04, 2020

Notarization

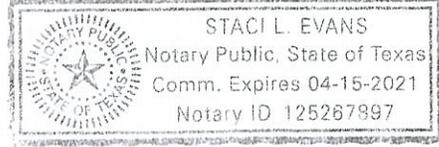
SUBSCRIBED AND SWORN to before me by the said Robert Gonzalez

On this 4th day of May, 2020

My commission expires on the 15th day of April, 2021.

[Signature]
Notary Public in and for

Harris County, Texas



Applicant's Delegation of Signature Authority [30 TAC §305.43]

I hereby delegate the person named below as my representative and hereby authorize said representative to sign any application, submit additional information as may be requested by the Commission; and appear for me at any hearing or before the Commission in conjunction with this request for a Texas Water Code or Texas Solid Waste Disposal Act permit. I further understand that I am responsible for the contents of this application, for oral statements given by my authorized representative in support of the application, and for compliance with the terms and conditions of any permit which might be issued based upon this application.

Name of applicant's representative: _____

Name of person who is the applicant, or officer or official representing corporation or public agency that is the applicant: _____

Signature: _____ Date: _____

Notarization

SUBSCRIBED AND SWORN to before me by the said _____

On this _____ day of _____, _____.

My commission expires on the _____ day of _____, _____.

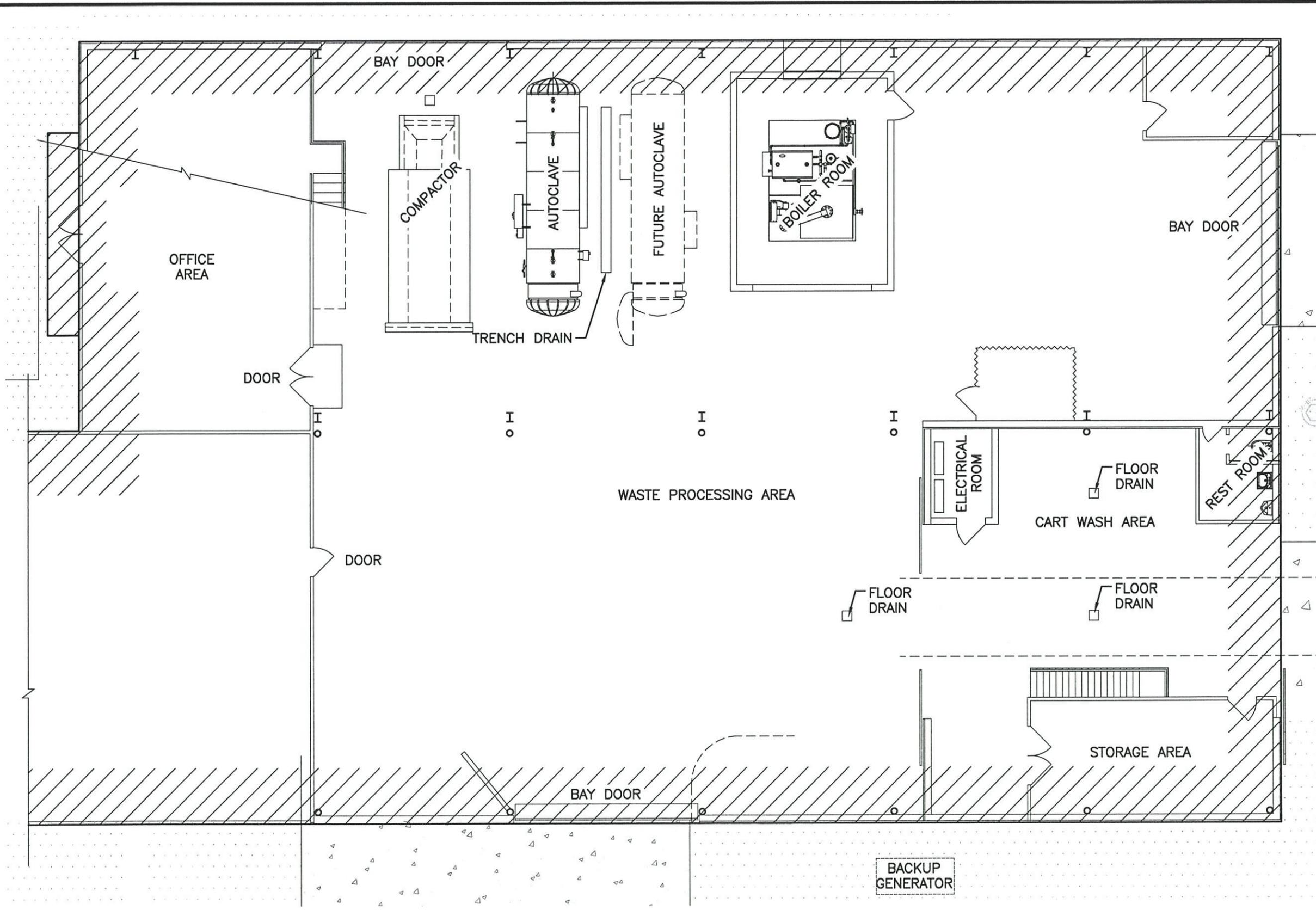
Notary Public in and for

_____ County, Texas

ATTACHMENT 2

FACILITY ACCESS AND LAYOUT MAP

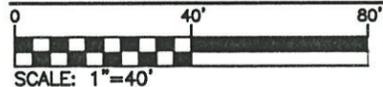
U:\Core Marine Services Inc\190177 Medical Waste Reg\000\20-Drawings\Exhibits-Imagery\190177 - Exhibit Waste Processing Equipment layout - Att 2 - Figure 2.dwg
 Wednesday, May 06, 2020, 8:53am



NOTE:
 COMPACTOR AND ROLL-OFF CONTAINERS
 MAY BE LOCATED ANYWHERE WITHIN THE
 WASTE PROCESSING AREA.



WASTE PROCESSING EQUIPMENT LAYOUT



05/04/2020

Amy Hesseltn

**NU CORE ENVIRONMENT SERVICES
 HOUSTON, TEXAS**

**WASTE PROCESSING
 EQUIPMENT LAYOUT
 ATTACHMENT 2, FIGURE 2**

LNV TBPE FIRM NO. F-366
 TBPLS FIRM NO. 10126500

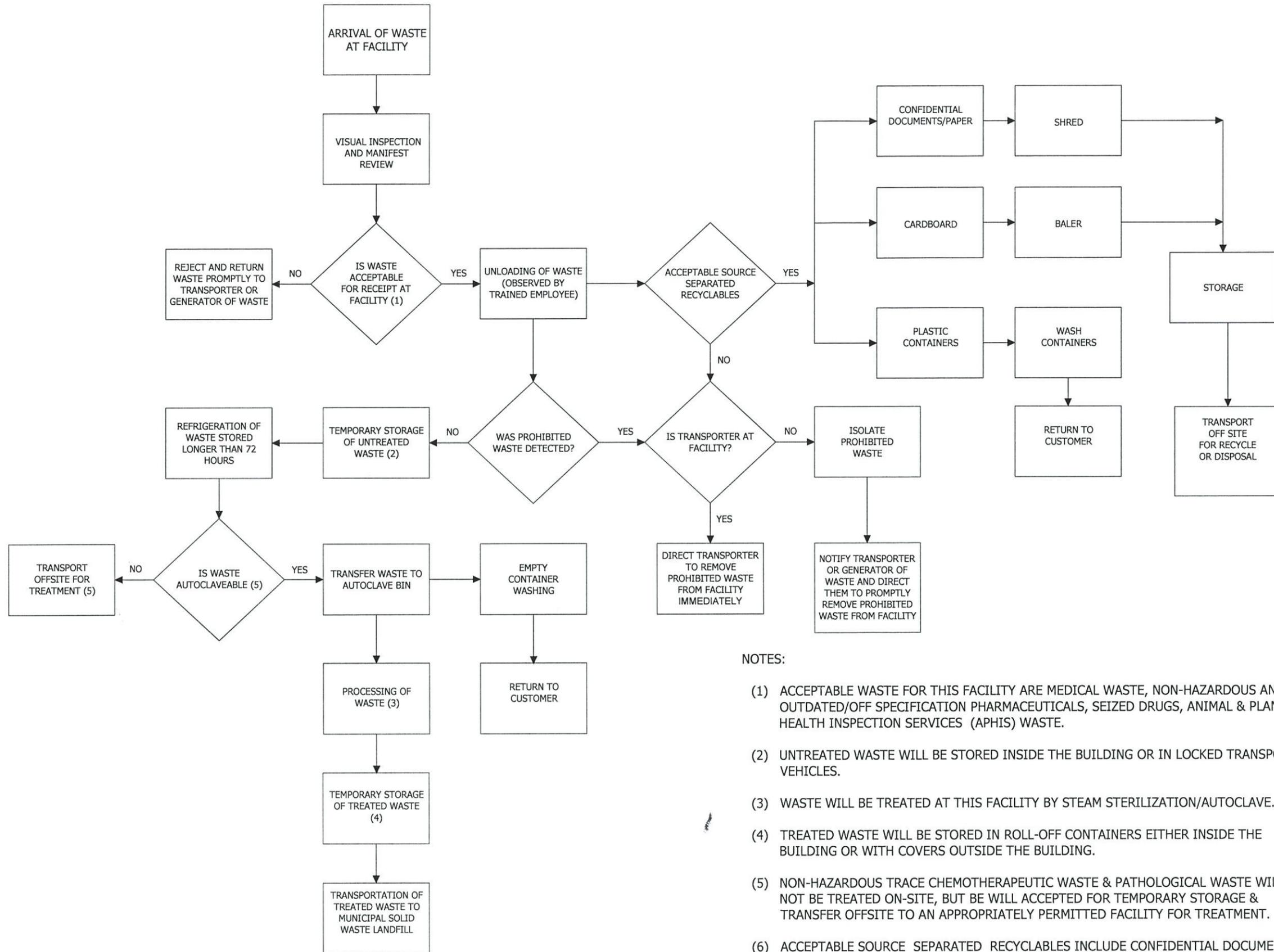
engineers | architects | surveyors
 801 NAVIGATION, SUITE 300 PH: (361) 883-1984
 CORPUS CHRISTI, TX 78408 FAX (361) 883-1986
 WWW.LNVINC.COM

DATE:	05/04/2020
DRAWN BY:	SCG
CHECKED BY:	AH
APPROVED BY:	AH
JOB NO:	190177

REVISIONS		
DATE	NO.	DESCRIPTION
5/20	1	NOTE ADDED

ATTACHMENT 6

FLOW DIAGRAM



NOTES:

- (1) ACCEPTABLE WASTE FOR THIS FACILITY ARE MEDICAL WASTE, NON-HAZARDOUS AND OUTDATED/OFF SPECIFICATION PHARMACEUTICALS, SEIZED DRUGS, ANIMAL & PLANT HEALTH INSPECTION SERVICES (APHIS) WASTE.
- (2) UNTREATED WASTE WILL BE STORED INSIDE THE BUILDING OR IN LOCKED TRANSPORT VEHICLES.
- (3) WASTE WILL BE TREATED AT THIS FACILITY BY STEAM STERILIZATION/AUTOCLAVE.
- (4) TREATED WASTE WILL BE STORED IN ROLL-OFF CONTAINERS EITHER INSIDE THE BUILDING OR WITH COVERS OUTSIDE THE BUILDING.
- (5) NON-HAZARDOUS TRACE CHEMOTHERAPEUTIC WASTE & PATHOLOGICAL WASTE WILL NOT BE TREATED ON-SITE, BUT BE WILL ACCEPTED FOR TEMPORARY STORAGE & TRANSFER OFFSITE TO AN APPROPRIATELY PERMITTED FACILITY FOR TREATMENT.
- (6) ACCEPTABLE SOURCE SEPARATED RECYCLABLES INCLUDE CONFIDENTIAL DOCUMENTS, CARDBOARD, AND PLASTIC CONTAINERS.



Amy R Hesseltno 5/4/20

**NUCORE ENVIRONMENTAL SERVICES
HOUSTON, TEXAS**

**FLOW DIAGRAM
ATTACHMENT 6**

TBPE FIRM NO. F-366
 TBPLS FIRM NO. 10126500
engineers | architects | surveyors
 801 NAVIGATION, SUITE 300 PH. (361) 883-1984
 CORPUS CHRISTI, TX 78408 FAX (361) 883-1986
 WWW.LNVINC.COM

DATE:	02/28/2020
DRAWN BY:	SCG
CHECKED BY:	AH
APPROVED BY:	AH
JOB NO:	190177

REVISIONS		
DATE	NO.	DESCRIPTION
4/30/20	1	ADD RECYCLABLES

ATTACHMENT 15

OTHER SITE OPERATING PLAN, FINANCIAL ASSURANCE,
AND CLOSURE REQUIREMENTS

**OTHER SITE OPERATING PLAN, FINANCIAL ASSURANCE, AND CLOSURE
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transferred from vehicle to vehicle. The vehicles will be parked end to end to provide visual screening and will minimize noise pollution.

§326.75(n) OVERLOADING AND BREAKDOWN

§326.75(n)(1) Design Capacity

The maximum amount of waste to be received at the facility is 50 tons per day. The facility may operate up to two autoclave units. Each autoclave unit has the capacity to treat 22.5 tons in a 24-hr period. The facility will not accumulate solid waste in quantities that cannot be processed/transferred/stored within such time as will preclude the creation of odors, insect breeding, or harborage of other vectors. If such accumulations occur, additional solid waste will not be received until the adverse conditions are abated. Alternately, incoming waste may be transported to another registered/permitted medical waste management facility.

§326.75(n)(2) Work Stoppage and §326.75(n)(3) Alternate Processing Procedures

If a significant work stoppage should occur at the facility due to mechanical breakdown or other causes, the facility will restrict the receiving of waste accordingly. Under such circumstances, incoming waste will be diverted or transported to a registered/permitted medical waste management facility.

If the work stoppage is anticipated to last long enough to create objectionable odors, insect breeding, or harborage of vectors, the accumulated solid waste will be transferred to a refrigeration unit or removed from the facility and taken to registered/permitted medical waste management facility.

Additional transport vehicles or refrigeration units will be brought in as needed. Additional transport units will meet the requirements of 30 TAC §326.53 relating to Transporters. All transporters hauling untreated medical waste will be properly registered in accordance with 30 TAC §326.53.

Additional processing units may be brought in to treat waste. Any additional units brought in to treat waste will be the equivalent to the existing treatment units.

§326.75(o) SANITATION

§326.75(o)(1) Sanitary Facilities

Potable water and sanitary facilities are provided for all employees and visitors. The site is connected to the City of Houston public water and sanitary sewer systems.

§326.75(o)(2) Wash Schedule

All working surfaces that come in contact with wastes shall be washed down on a weekly basis using bleach solution and/or EPA registered disinfectants. at the completion of processing. When operating on a continuous basis, the facility will be swept daily and washed down at least twice per week.

REDLINE

Texas Commission on Environmental Quality
Application for a Medical Waste Registration

Nucore Environmental Services

Registration Number, 40310~~Number, TBD~~

Houston, Harris County, Texas

February 28, 2020

May 4, 2020~~[Application Revision Date, if applicable]~~

Prepared for

Nucore Environmental Services LLC

6410 Long Drive

Houston, Harris County, Texas 77087

Prepared by

Amy Hesseltine, P.E. Project Manager

LNV, LLC

TBPE Firm Registration Number F-366

801 Navigation, Suite 300

Corpus Christi, Texas 78408

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Section 1—General Information

1.1 Facility Information (must match regulated entity information on Core Data Form)

Facility Name: Nucore Environmental Services, LLC

Regulated Entity Reference No. (if issued): RN107215378-TBD

Physical or Street Address (if available): 6410 Long Drive

City: Houston County: Harris State: TX Zip Code: 77087

(Area Code) Telephone Number: (713) 557-5086

Email Address: rgonzalez@nucoreservices.com

Latitude (Degrees, Minutes, Seconds, or Decimal Degrees): 29 deg 41' 20.9652"

Longitude (Degree, Minutes, Seconds, or Decimal Degrees): -95 deg 18' 46.5192"

Activities Conducted at the Facility (check all that apply)

Storage Treatment Transfer Other: _____

Describe the location of the facility with respect to known or easily identifiable landmarks:

Facility location is south of Loop 610 (South Loop) between Mykawa Rd. and Telephone Rd. Nearest intersection is Long Drive and Weslow Street.

Detail access routes from the nearest United States or state highway to the facility:

From Interstate 45, west on Park Pl Blvd to Long Drive. From Loop 610, either south on Telephone Rd. to Long Dr. or south on S. Wayside Dr. to Long Dr.

1.2 Applicant Information

The owner of a facility is the applicant, to whom the registration would be issued.

Owner of Facility (must match customer information on Core Data Form)

Owner Name: Nucore Environmental Services LLC

Contact Person's Name: Robert Gonzalez Title: CEO

Customer Reference No. (if issued): CN605765437-TBD

Mailing Address: P.O. Box 5357

City: Pasadena County: Harris State: TX Zip Code: 77508

(Area Code) Telephone Number: (713) 557-5086

Email Address: rgonzalez@nucoreservices.com

Operator of Facility (if not the same as Owner of Facility)

Operator Name: Same as Owner

Contact Person's Name: _____ Title: _____

Customer Reference No. (if issued): CN _____

Mailing Address: _____

City: _____ County: _____ State: _____ Zip Code: _____

(Area Code) Telephone Number: _____ Email Address: _____

Consultant (if applicable)

Firm Name: LNV, LLC

Texas Board of Professional Engineers Firm Registration Number: F-366

Contact Person's Name: Amy Hesseltine, P.E. Title: Project Manager

Texas Board of Professional Engineers License Number (if applicable): 93578

Mailing Address: 801 Navigation, Suite 300

City: Corpus Christi County: Nueces State: TX Zip Code: 78408

(Area Code) Telephone Number: (361) 886-1984 Email Address: ahesseltine@lvinc.com

1.3 Governmental Entities Information

Texas Department of Transportation

District: Houston

District Engineer's Name: Eliza Paul, P.E.

Street Address or P.O. Box: P.O. Box 1386

City: Houston County: Harris State: TX Zip Code: 77251

(Area Code) Telephone Number: (713) 802-5000 Email Address: eliza.paul@txdot.gov

Local Government Authority Responsible for Road Maintenance (if applicable)

Agency Name: City of Houston Street and Bridge Maintenance Branch

Contact Person's Name: Walter Hambrick, Assistant Director

Street Address or P.O. Box: 611 Walker

City: Houston County: Harris State: TX Zip Code: 77002

(Area Code)Telephone Number: (832) 395-2500

Email Address: Walter.Hambrick@houstontx.gov

City Mayor

City Name: Houston

City Mayor's Name: Sylvester Turner

Mailing Address: P.O. Box 1562

City: Houston County: Harris State: TX Zip Code: 77251

(Area Code) Telephone Number: (713) 837-0311 Email Address: mayor@houstontx.gov

Council of Governments (COG)

COG Name: Houston-Galveston Area Council

COG Representative's Name: Erin Livingston

COG Representative's Title: Principal Planner

Street Address or P.O. Box: P.O. Box 22777

City: Houston County: Harris State: TX Zip Code: 77227-2777

(Area Code) Telephone Number: (832) 681-2525

Email Address: Erin.Livingston@h-gac.com

Local Government Jurisdiction

Is the facility located outside the territorial limits or extraterritorial jurisdiction of a city or town? (30 TAC §326.67(a)) Yes No

If yes, and county requires a license, you must obtain a license from the county, and the county must send a copy of the license to the appropriate TCEQ regional office.

City Health Authority (if applicable)

Agency Name: Houston Health Department

Contact Person's Name: Stephen L. Williams, Director

Street Address or P.O. Box: 8000 North Stadium Drive

City: Houston County: Harris State: TX Zip Code: 77054

(Area Code) Telephone Number: (832) 393-5169

Email Address: Stephen.Williams@cityofhouston.net

County Judge Information

County Judge's Name: Lina Hidalgo

Street Address or P.O. Box: 1011 Preston, Suite 911

City: Houston County: Harris State: TX Zip Code: 77002

(Area Code) Telephone Number: (713) 274-7000

Email Address: judge.hidalgo@cjo.hctx.net

County Health Authority (if applicable)

Agency Name: Harris County Public Health

Contact Person's Name: Umair A. Shah, MD, MPH

Street Address or P.O. Box: 2223 West Loop South

City: Houston County: Harris State: TX Zip Code: 77027

(Area Code) Telephone Number: (713) 439-6000

Email Address: Umair.Shah@phs.hctx.net

State Representative

House District Number: 29

Representative's Name: Ed Thompson

District Office Address: 2341 N. Galveston Ave, Suite 120

City: Pearland County: Harris State: TX Zip Code: 77581

(Area Code) Telephone Number: (281) 485-6565

Email Address: Ed.Thompson@house.texas.gov

State Senator

Senate District Number: 6

State Senator's Name: Carol Alvarado

District Office Address: 8799 North Loop Frwy. East, Suite 240

City: Houston County: Harris State: TX Zip Code: 77029

(Area Code) Telephone Number: (713) 453-5100

Email Address: carol.alvarado@house.texas.gov

1.4 Posting of Application on Website [30 TAC §326.69(e)]

Provide the web address (URL) of the publicly accessible internet website where the application and all revisions will be posted:
https://www.Invinc.com/wp-content/uploads/2020/03/NUCORE_Registration-Application-Submittal_February-28-2020.pdf

1.5 Copy of Application for Public Viewing

Name of the Public Place: Houston Public Library

Physical Address: 6767 Bellfort Street

City: Houston County: Harris State: TX Zip Code: 77087

(Area Code) Telephone Number: (832) 393-1920

1.6 Notice of Opportunity to Request Public Meeting

Notice Requirement

The owner or operator is required by 30 TAC §326.73 to provide notice of the opportunity to request a public meeting, and to post notice signs.

Indicate the party responsible for publishing notice:

Applicant (Owner or Operator) Consultant

1.7 Application Fee

Indicate how the application fee was paid. Attach a photocopy of the check or a copy of the electronic payment receipt.

Check Online

If paid online, e-Pay confirmation number: 582EA000382498

1.8 Facility Supervisor's License [30 TAC §326.71(c)]

Indicate the type of license that the Solid Waste Facility Supervisor (as defined in 30 TAC Chapter 30), will obtain prior to commencing facility operations:

Class A Class B

Section 2—Facility Design Information

2.1 Impact on Surrounding Area [30 TAC §326.71(a)(5)(A) & (B)]

This section addresses the facility's impacts on cities, communities, groups of property owners, or individuals (attach additional pages to answer the following questions, if necessary):

Describe the character of the surrounding area land uses within one mile of the facility:

The existing development within one mile of the facility is approximately 40% industrial/commercial and 40% single and multi-family residential. The remaining 20% of the existing development consists of office, public and institutional, transportation and utility, park and open spaces, and agricultural production. The City of Houston does not implement zoning. A current land use map was generated based on data obtained from the City of Houston Map Viewer and Houston Land Use Map (see Attachment 3).

Identify growth trends within five miles of the facility with directions of major development:

The area where the facility is located has been developed for decades. The area immediately surrounding the facility is mostly commercial and industrial. The area south of 610, east of 288, west of 45 and north of Airport Blvd is predominately residential. Industrial and commercial developments are located south of Airport Blvd. around the Houston Hobby Airport and west of 288. -New development within 5 miles is generally to the southwest and south.

Indicate the approximate number of residences and other uses (e.g. schools, churches, cemeteries, historic structures and commercial sites, etc.) within one mile of the facility:

Located within one mile of the facility are approximately ~~2,500~~¹⁸⁰ single family residences residential lots, approximately 256 commercial tracts, 4 recreational areas, 8 churches, 2 day cares, and 5 schools. There are no hospitals, cemeteries, historic structures or major ponds or lakes within one mile of the facility.

Indicate the distance to the nearest residence(s): 725 feet miles

Provide directions to the nearest residence(s): West

Indicate the distance to the nearest commercial establishment(s): 5 feet miles

Provide directions to the nearest commercial establishment(s):

The nearest commercial establishment is the American Water System site adjacent to the southeast property boundary.

2.2 Transportation [30 TAC §326.71(e)]

Access Roads

Complete Table 1 regarding the roads that will be used to access the site.

Table 1. Roads That Will be Used to Access the Site.

Name of Road	Surface Type and Number of Lanes
Long Drive	Asphalt, 4 lane divided
Loop 610	Concrete, 8 lane divided
Highway 45	Concrete, 8 lane divided
Telephone Road	Asphalt, 4 lane
S. Wayside Drive	Concrete, 4 lane divided

Daily Traffic Volume

Complete Table 2 regarding existing and expected volume of vehicular traffic on access roads within one mile of the facility, and the projected volume of traffic expected to be generated by the facility on access roads within one mile of the facility.

Table 2. Traffic Volume.

Vehicle Traffic	Volume (vehicles per day)
Existing Vehicle Traffic	177,602 (2018) 11,283
Expected Vehicle Traffic	237,964 (2038) 11,923
Projected Vehicle Traffic Generated by Facility	30

Describe the source of or method used to obtain the volumes (attach additional pages to answer this question if necessary):

Existing (2018) average annaul daily traffic count for Loop 610 obtained from Texas Department of Transportation's Statewide Planning Map. Houston Regional Traffic Count Map; 24 hour traffic volume location: 6399 Long Drive. Expected future traffic for Loop 610 was also obtained from TxDOT's Statewide Planning Map. is-based regional traffic data collected by the Houston Galveston Area COG for Long Drive. https://www.txdot.gov/apps/statewide_mapping/StatewidePlanningMap.html

If traffic volume was determined by counts in the field, indicate the locations where the counts were conducted (attach additional pages to answer this question if necessary):

TxDOT identifies the AADT location on Loop 610 as Station Flag: 102H188A. Houston Regional Traffic Count Map lists 6399 Long Drive as the location for the 24-hour traffic volume. The location for the data collected the HGAC is on Long Dr. just west of Telephone Rd.

2.3 Floodplain and Wetlands [30 TAC §326.71(f)]

Will the facility be located within a 100-year floodplain?

Yes No Identify the floodplain zone Zone X - Area of Minimal Flood Hazard

Attach a copy of the Federal Emergency Management Administration administrator (FEMA) flood map for the area. Map provided in Attachment 10.

If the facility will be within a 100-year floodplain, attach documentation demonstrating that the facility is designed and will be operated in a manner to prevent washout of waste during a 100-year storm event, or that the facility has obtained a conditional letter of map amendment from the FEMA.

Will the facility be located in wetlands?

Yes No

If yes, attach documentation to the extent required under Clean Water Act, §404 or applicable state wetlands laws.

2.4 Buffer Zones and Easement Protection [30 TAC §326.71(h)(3)]

Is the buffer zone in any location at the facility less than 25 feet wide?

Yes No

If yes, describe your alternative buffer zone and how it will allow access for emergency response and maintenance (attach additional pages to answer this question if necessary):

A 25 ft buffer will be maintained everywhere except where the existing buildings are located closer than 25 ft to the registration boundary. The waste processing building is approximately 13 ft from the southern registration boundary along Mayfair Boulevard. The warehouse building is approximately 10 ft from the southern and western registration boundaries. Therefore, alternative buffers will be maintained along portions of the southern and western boundaries coinciding with the distance between the registration boundary and the existing buildings. Refer to Facility Access and Facility Layout Map in Attachment 2 for locations and distances of alternative buffers.

Since the alternative buffers coincide with the location of the existing building, the alternative buffers do not impose additional limitations to access. There are six access points (gates) to the facility for emergency response and maintenance. The facility will be managed to not allow materials to be stored in a manner that would block access through the gates.

The Facility Access and Facility Layout Map in Attachment 2 also shows the locations of easements within the registration boundary. No solid waste loading/unloading, transfer, storage, or processing operations will occur within the buffer zone or any easement or right-of-way that crosses the registration boundary. Waste storage in a refrigerated transport vehicle(s) parked in the buffer zone, an easement or a right-of-way, however, is allowable.

2.5 Waste Management Unit Designs [30 TAC §326.71(i)]

Waste Management Unit Details

List each waste management unit in Table 3. Include attachments documenting manufacturer specifications.

Table 3. Design Details and Manufacturer Specifications for Waste Management Units.

Unit Type	Minimum Number of Units	Design Details	Approximate Dimensions	Approximate Capacity per Unit
Autoclave* (and associated boiler)	1 unit minimum (up to 2 units)	See Attachment 14	5 ft diameter by 24 ft long	1,875 lb/hr
Compactor	1 unit minimum (up to 2 units)	Typical self contained compactor	8 ft Wide; 23 ft Long; 8.75 ft High	Up to 40 cubic yards
Roll-offs	1 (varies)	Typical steel roll-off containers	8 ft Wide; 23 ft Long; up to 8.5 ft High	Up to 40 cubic yards
Refrigeration Units	1 (varies)	Typical refrigerated truck/trailer	8 ft Wide; 9 ft Tall; up to 53 ft Long	60 to 130 cubic yards
Cardboard Baler**	1	See Attachment 14	7.5 ft wide; 3.5 ft deep; 11.5 ft high	50 cubic feet
Paper Shredder**	1	See Attachment 14	18 ft long; 9 ft wide; 8.75 ft high	2.6 cy/batch

*Initially, one autoclave will be installed. A second autoclave may be added in the future.

**Cardboard Baler and paper shredder equipment will not be purchased and installed at the facility initially. This equipment will be added at a later time.

Foundations and Supports

Provide a generalized description of construction materials for slab and subsurface supports of all storage and processing components (attach additional pages to answer this question if necessary):

The waste processing building is supported on a reinforced concrete slab on grade foundation capable of supporting the building and the processing and waste storage units. The waste processing units will be installed on the existing slab-on-grade building foundation. No additional foundation reinforcement will be required to support the equipment.

Contaminated Water Management

Describe how storage and processing areas will be designed to control and contain spills and prevent contaminated water from leaving the facility. For unenclosed containment areas, also account for precipitation from a 25-year, 24-hour storm (attach additional pages to answer this question if necessary):

Waste processing units and compactor are located in the enclosed waste processing building which is capable of controlling and containing worst case spills or releases and contaminated water from leaving the facility. All contaminated process water or spills will be collected and placed into the processing unit or discharged to the sanitary sewer via sink and floor drains in the processing building. Any untreated waste stored outside of the enclosed building will be contained inside of leak proof transport vehicles which are capable of containing any spills and preventing storm water from contacting the waste. In the unlikely event that a medical waste spill occurs outdoors, the spill will be cordoned off and cleaned immediately.

Storage of medical waste will be in a secure manner and location that affords protection from theft, vandalism, inadvertent human or animal exposure, rain, water, and wind. The waste will be managed so as not to provide a breeding place or food for insects or rodents, and not generate noxious odors.

2.6 Treatment Requirements [30 TAC §326.71(j)]

Attach a written procedure for the operation and testing of any equipment used, and for the preparation of any chemicals used in treatment. Procedures provided in Attachment 7.

Section 3—Facility Closure

3.1 Closure Plan [30 TAC §326.71(k)]

The operator must comply with the closure requirements listed in 30 TAC §326.71(k).

List other activities that the facility will conduct during closure, if any (attach additional pages to answer this question if necessary):

Upon closure, the owner or operator will remove all waste, waste residue, and any recovered materials. All facility units will be decontaminated, dismantled and removed off-site. The owner or operator will transport all untreated medical waste to a TCEQ authorized facility and disinfect all receiving, processing and post-processing areas. Final disposition of treated medical waste will be at an authorized facility. Closure of the facility must be completed within 180 days following last acceptance of processed or unprocessed materials unless otherwise directed or approved in writing by the executive director.

No later than 90 days prior to the initiation of final facility closure, the owner or operator will, through a public notice in the newspaper(s) of largest circulation in the vicinity of the facility, provide public notice for final facility closure. This notice will provide the name, address, and physical location of the facility; the registration number; and the last date of intended receipt of waste. The owner or operator will also make available an adequate number of copies of the approved final closure plan for public access and review. The owner or operator will also provide written notification to the executive director of the intent to close the facility and place the notice of intent in the site operating record.

Upon notification to the executive director of the intent to close the site, the owner or operator will post a minimum of one sign at the main entrance and all other frequently used points of access for the facility notifying all persons who may utilize the facility or site of the date of closing for the entire facility or site and the prohibition against further receipt of waste materials after the stated date. Further, suitable barriers will be installed at all gates or access points to adequately prevent the unauthorized dumping of solid waste at the closed facility.

Within 10 days after completion of final closure activities of the facility, the owner or operator shall submit to the executive director by registered mail a certification, signed by an independent licensed professional engineer, verifying final closure has been completed in accordance with the approved closure plan. The submittal to the executive director will include all applicable documentation necessary for the certification of final facility closure. Upon closure of the facility, the owner or operator will request a voluntary revocation of the registration.

3.2 Closure Cost Estimate [30 TAC §326.71(m)]

Provide itemized closure cost estimates in Table 4. The cost estimates must meet the requirements listed in 30 TAC §326.71(m).

Attach documents detailing any additional unit closure costs not itemized. Enter the total of those additional unit closure costs on line 13 of the closure cost worksheet in Table 4.

Table 4. Closure Cost Estimates Worksheet.

Item No.	Item Description	Unit of Measurement	Quantity	Unit Cost	Total Cost
1	Site Evaluation and Engineering Review	NA	1	\$1200	\$1200
2	Bid Document and Procurement	NA	1	\$2400	\$2400
3	Contract Award and Administration	NA	1	\$1200	\$1200
4	Clean-Up, Removal and Transport of Waste Stored On-Site	NA	1	\$2400	\$2400
5	Disposal of Waste at an Authorized Facility	Tons	50	\$35	\$1750
6	Waste Treatment	Tons	50	\$360	\$18000
7	Process Units Dismantling	NA	1	\$2400	\$2400
8	Wash Down and Disinfection of Facility and Processing Units	NA	1	\$2400	\$2400
9	Vector Control	NA	1	\$200	\$200
10	Site Security	NA	1	\$200	\$200
11	Signs, Newspaper Notice and TCEQ Notice	NA	1	\$2000	\$2000

Item No.	Item Description	Unit of Measurement	Quantity	Unit Cost	Total Cost
12	Facility Inspection and Closure Certification by Licensed Engineer	NA	1	\$3000	\$3000
13	Additional Storage and Processing Unit Closure Cost Items (describe in attachments)	Identify Attachments	NA	NA	\$0
14	Storage and Processing Unit Closure Costs Subtotal	NA	NA	NA	\$32350
15	Contingency Cost 10%	NA	NA	NA	\$3235
16	Total Closure Cost Estimate	NA	NA	NA	\$35585

Section 4—Site Operating Plan

4.1 General [30 TAC §326.75(a)]

Provide the function and minimum qualifications for each category of key personnel to be employed at the facility including supervisory personnel in the chain of command (attach additional pages to answer this question if necessary):

The facility will be under the overall direction of the owner and/or operator or other such person as may be appointed. On-site daily operations will be under the supervision of a facility manager. Below are descriptions of functions and minimum qualifications for each category of key personnel to be employed at the facility.

Facility Manager – Functions: managing employees and facility operations, maintaining compliance with the facility’s registration and all applicable regulations, maintaining the operating record in accordance with the registration, and employee training. Minimum qualifications: knowledge of applicable regulations, knowledge of facility’s registration and site operating plan, knowledge of the processing unit, and management experience. Facility Manager reports to owner/operator.

Waste Handler – Functions: inspection of incoming loads and accompanying documentation, supervision of the receiving floor and the loading/unloading of transport vehicles, operation of the processing unit(s), completion of all necessary logging and reporting documents, and disinfection of reusable carts/containers. Minimum qualifications: knowledge of facility’s site operating plan, and knowledge of processing unit. Equipment operator(s) report to the facility manager.

Driver – Functions: collecting and transporting waste to the facility, maintaining required documentation, loading/unloading transport vehicle and assisting the equipment operator as needed. Minimum qualifications: knowledge of regulations relating to transportation of medical waste, and have a valid Driver’s License or a Commercial Driver’s License (CDL), if

applicable. A driver may not be stationed at the facility, but will report to the facility manager and/or equipment operator when on-site.

Describe the procedures that the operating personnel will follow for the detection and prevention regarding the receipt of prohibited wastes, including random inspections of packaging of incoming loads, records, and training (attach additional pages to answer this question if necessary):

Procedures used to identify prohibited waste include random inspections packaging of incoming waste and accompanying manifests/shipping documents by trained employees. Random visual inspections of packaging for incoming waste containers will be conducted a minimum of once per week to verify proper markings have been placed on all containers of waste. The facility manager or designee will determine when to conduct the inspections.

Safety precautions and personal protective equipment will be part of the random inspection process to allow for safe inspections. Personnel conducting the inspections will wear personal protective equipment that is appropriate for the waste being inspected. The facility manager may provide recommendations for additional precautions to be taken during the inspection.

If a waste is not readily identifiable, the inspector will contact the facility manager or designee who will attempt to determine if the waste is acceptable for receipt at the facility by: 1) reviewing paperwork (e.g., manifests, trip tickets, SDS sheets), 2) questioning the transporter about the origin of the waste, 3) contacting the generator, and/or 4) using knowledge based on container packaging labels. During this identification process, the waste will not be authorized for receipt but, instead, be isolated until the waste can be adequately identified.

Any unauthorized waste discovered during inspections will be handled in accordance with section §326.75(h)(3) below relating to prohibition on incoming waste streams.

Operational staff will receive training on random inspection guidelines. All training records and inspection records, will be maintained in the site operating record.

4.2 Waste Acceptance [30 TAC §326.75(b)]

Describe all sources and characteristics of medical wastes to be received for storage and processing or disposal (attach additional pages to answer this question if necessary):

The facility will receive, transfer, store, and process medical waste as defined in §326.3(23), non-hazardous pharmaceuticals, and confidential documents. §326.3(23) defines medical waste as treated and untreated special waste from health care-related facilities that is comprised of animal waste, bulk blood, bulk human blood, bulk human body fluids, microbiological waste, pathological waste, and sharps as those terms are defined in 25 TAC §1.132 (relating to Definitions).

Untreated medical waste will be managed in accordance with 25 TAC Subchapter K and 30 TAC Chapter 326. Untreated medical waste may be temporarily stored at the facility unrefrigerated for up to 72 hours after receipt at the facility. Untreated medical waste held longer than 72 hours after receipt at the facility will be stored at a temperature of 45 degrees Fahrenheit or less.

Non-hazardous trace chemotherapeutic waste and pathological waste will not be treated at this facility, but will be accepted for temporary storage and transfer to an appropriately permitted/registered facility for treatment.

Sources of waste streams include hospitals, clinics, nursing homes, and other health care related facilities. Regulated medical waste will be received in approved Federal and State required packaging.

In addition, the facility may accept regulated garbage as defined by the Animal and Plant Health Inspection Services (APHIS) of the United States Department of Agriculture. Prior to accepting APHIS wastes, the facility will seek approval from the Administrator of APHIS. The facility will obtain authorization from the Drug Enforcement Administration (DEA) prior to accepting any controlled substances.

The facility will not accept regulated hazardous wastes.

Describe the sources and characteristics of recyclable materials, if applicable, to be received for storage and processing (attach additional pages to answer this question if necessary):

Acceptable source separated recyclables include confidential documents, cardboard, and plastic containers. These waste streams will be received from off-site sources such as hospitals, clinics, nursing homes, and other health care related facilities. Confidential documents may be shredded and recycled. Cardboard boxes may be baled and recycled. Plastic containers such as sharps containers will be pressure washed and returned to generator for reuse.

Maximum amount of waste to be received daily: 50 pounds/day tons /day

Maximum amount of waste to be stored at any point in time: 50 pounds tons

Maximum length of time waste is to remain at the facility: 30 hours days

Specify the maximum time that unprocessed and processed wastes will be allowed to remain on-site:

Processed: 10 hours days

Unprocessed: 30 hours days

Identify the intended disposition of processed and unprocessed waste received at the facility (attach additional pages to answer this question if necessary):

Untreated medical waste will be managed in accordance with 25 TAC Subchapter K and 30 TAC Chapter 326. Untreated medical waste may be temporarily stored at the site unrefrigerated for a time period not to exceed 72 hours. After 72 hours, the untreated medical waste will be stored at a temperature of 45 degrees Fahrenheit or less.

Once treated, the steam sterilized waste will be placed in roll-off containers for disposal at an approved landfill in accordance with 25 TAC §1.136 and 30 TAC §326.75(r).

Pathological waste and non-hazardous trace chemotherapeutic waste received at the facility may be stored prior to transferring off-site to an approved MSW facility able to receive the waste.

Any unauthorized waste discovered during inspections will be handled in accordance with section §326.75(h)(3) below relating to prohibition on incoming waste streams.

4.3 Generated Waste [30 TAC §326.75(c)]

Describe how all liquids and solid waste resulting from the facility operations will be disposed of in a manner that will not cause surface water and groundwater pollution (attach additional pages to answer this question if necessary):

All liquids resulting from the facility operations will be disposed of in a manner that will not cause surface water or groundwater pollution.

Working surfaces, including containers, that have come in contact with untreated medical waste will be cleaned and/or sanitized. Wash water resulting from routine cleaning and sanitizing activities will be collected and either placed into the treatment unit or discharged to the City of Houston sanitary sewer system. Condensate from the autoclave system will also be discharged to the City of Houston sanitary sewer system. Management of discharges will be in accordance with local requirements and all necessary authorizations and approvals will be obtained and retained within the operating record at the site.

Waters not generated from the sanitation of surfaces in contact with untreated medical waste (i.e. water from restroom, office area) will be discharged to the City of Houston sanitary sewer system. A discharge permit is not required for this type of discharge.

Solid wastes generated by the facility are characterized as municipal solid waste. Municipal solid wastes generated by the facility can be adequately managed by ~~TCEQ approved~~ MSW landfills ~~permitted by the TCEQ~~.

Solid wastes treated at the facility are characterized as treated medical waste and treated Animal and Plant Health Inspection Services (APHIS) waste. Solid wastes treated at the facility can be adequately managed by ~~TCEQ or other appropriate agency approved~~ MSW facilities ~~appropriately permitted/registered by the TCEQ~~. All treated waste will be disposed at a ~~TCEQ approved~~ MSW landfill ~~permitted by the TCEQ~~.

Waste will be stored inside the enclosed building, an enclosed transport vehicle/trailer or covered roll-off container outside of the building. Since waste will be stored under cover, contaminated water resulting from contact with untreated medical waste is not anticipated unless a spill occurs. In the event of a spill, the waste will be collected and placed into the treatment unit. Any contaminated water generated from contact with untreated medical waste resulting from a spill will be absorbed (i.e. with cloth or paper towel) or collected (i.e. with mop and bucket), managed as untreated medical waste, and placed into the treatment unit.

Contaminated water can be properly managed without collection units (i.e. storage tanks and/or lined units). No contaminated water will be discharged off-site without specific written authorization.

4.4 Access Control [30 TAC §326.75(g)]

Describe how public access to the facility will be controlled (attach additional pages to answer this question if necessary):

Public access to the facility will be controlled by a minimum four (4) foot tall perimeter fence topped with barbed wire and lockable entrance gates and buildings with lockable doors.

A section in the northeast corner of the property used for employee parking is not fenced. Waste storage and processing will not occur outdoors in unfenced areas. Waste storage will occur within an enclosed transport vehicle or inside the enclosed waste processing building. The buildings and transport vehicles will have lockable doors which will be closed and locked when not in use. The operating area is located within an enclosed building with lockable doors. A trained employee shall be on-site during operating hours.

Describe how access roads and parking areas will be maintained to control dust and prevent mud from being track off-site (attach additional pages to answer this question if necessary):

Public roads used by transport vehicles to access the facility are paved. Access roads and parking areas within the facility are also paved. Dust and mud are not anticipated due to the access roads and on-site parking areas being paved. In the event there is a problem related to windblown dust, water will be used to control windblown dust. Within the facility, a standard garden hose connected to an on-site water source may be sufficient to apply water.

The facility entrance is a concrete paved two-lane entrance, designed for the expected traffic flow. Adequate turning radii for transport vehicles that will utilize the facility is available to avoid disruption of normal traffic patterns. On-site driving and parking areas are concrete and/or asphalt paved. Parking will be provided for transport vehicles, employees and visitors. Incoming waste will be off loaded directly into the facility building or into another transfer vehicle/trailer, therefore safety bumpers will not be provided.

Access to the facility will be controlled by a perimeter fence, with lockable gates. Identify or describe the type of fence that will be installed at the facility:

- A four-foot-high barbed wire fence;
- A six-foot-high chain-link fence; or
- Other: _____

4.5 Operating Hours [(30 TAC §326.75(i)]

Provide the operating hours of the facility; ***include justification for hours outside of 7:00 a.m. to 7:00 p.m., Monday through Friday:***

Waste acceptance and transfer hours for waste transportation vehicles is 24 hours a day, seven days a week. Waste processing hours is 24 hours per day, seven days per week. The facility may conduct operations for maintenance and housekeeping, as needed, 24 hours per day, seven days per week. Additional operating hours outside of 7 am to 7 pm, Monday through Friday are necessary to accommodate customer and business needs.

List the alternative operating hours, if any, of up to five days in a calendar-year period:

The need for alterative operating hours for special occasions, special purpose events, holidays, or other special occurrences is not anticipated.

Section 5—Other Site Operating Plan, Financial Assurance, and Closure Requirements

Attach additional pages describing how the facility will comply with the following requirements.

- 30 TAC §326.75(d), Storage
- 30 TAC §326.75(e), Recordkeeping and Reporting
- 30 TAC §326.75(f), Fire protection Plan
- 30 TAC §326.75(g)(2), Access Roads, Vehicle Parking, and Safety Measures
- 30 TAC §326.75(g), Access Control
- 30 TAC §326.75(h), Unloading of Waste
- 30 TAC §326.75(i)(3), Recording of Applicable Alternative Hours (if used)
- 30 TAC §326.75(j), Signs at Facility Entrances
- 30 TAC §326.75(k), Control of Windblown Material and Litter
- 30 TAC §326.75(l), Facility Access Roads
- 30 TAC §326.75(m), Noise Pollution and Visual Screening
- 30 TAC §326.75(n), Overloading and Breakdown
- 30 TAC §326.75(o), Sanitation
- 30 TAC §326.75(p), Ventilation and Air Pollution Control
- 30 TAC §326.75(q), Health and Safety
- 30 TAC 326.75(r), Disposal of Treated Medical Waste (if applicable)
- 30 TAC §326.71(n); Financial Assurance
- 30 TAC §326.71(l)(1); provide notice for final facility closure and information for the public and executive director no later than 90 days prior to initiating final closure.
- 30 TAC §326.71(l)(2); install signs and barriers upon notification of final closure to the executive director.
- 30 TAC §326.71(l)(3); provide certification of closure, and a request for voluntary revocation of facility registration within 10 days after completion of final closure of the facility.

Section 6—Applicant Certification and Signature

The applicant is the person or entity who would be the owner of the facility and in whose name the registration would be issued. If the application is signed by an authorized representative for the applicant, the applicant must complete the delegation of signature authority.

Certification by Applicant or Authorized Signatory [30 TAC §305.44]

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name of applicant, or other person authorized to sign: _____

Title of person signing: _____

Signature: _____ Date: _____

Notarization

SUBSCRIBED AND SWORN to before me by the said _____

On this _____ day of _____, _____.

My commission expires on the _____ day of _____, _____.

Notary Public in and for

_____ County, Texas

Applicant’s Delegation of Signature Authority [30 TAC §305.43]

I hereby delegate the person named below as my representative and hereby authorize said representative to sign any application, submit additional information as may be requested by the Commission; and appear for me at any hearing or before the Commission in conjunction with this request for a Texas Water Code or Texas Solid Waste Disposal Act permit. I further understand that I am responsible for the contents of this application, for oral statements given by my authorized representative in support of the application, and for compliance with the terms and conditions of any permit which might be issued based upon this application.

Name of applicant’s representative: _____

Name of person who is the applicant, or officer or official representing corporation or public agency that is the applicant: _____

Signature: _____ Date: _____

Notarization

SUBSCRIBED AND SWORN to before me by the said _____

On this _____ day of _____, _____.

My commission expires on the _____ day of _____, _____.

Notary Public in and for

_____ County, Texas

Section 7—Property Owner Affidavit

Affidavit [30 TAC §326.71(b)]

This section must be completed by the owner of the property on which the facility would be located.

I am the owner of the land on which the proposed facility would be located. I acknowledge that the State of Texas may hold me either jointly or severally responsible for the operation, maintenance, and closure of the facility. I further acknowledge that the facility owner or operator and the State of Texas shall have access to the property during the active life and after closure for the purpose of inspection and maintenance.

Property owner name: _____

Signature: _____ Date: _____

Notarization

SUBSCRIBED AND SWORN to before me by the said _____

On this ____ day of _____, ____.

My commission expires on the ____ day of _____, ____.

Notary Public in and for

_____ County, Texas

Attachments

Table Att-1. Required Attachments

Attachments	Attachment No.
General Location Map	1
Facility Access Map	2
Facility Layout Map	2
Land Use Map	3
Land Ownership Map	4
Land Ownership List	4
Land Ownership Hard Copy and Electronic Mailing List or Mailing Labels	4
Metes and Bounds Drawing and Description	5
Copy of Authorization to Discharge Wastewater to a Treatment Facility	N/A
Process Flow Diagrams and Narrative	6
Procedures for Operation and Testing of Treatment Equipment, if applicable	7
Procedures for Preparation of any Chemical used in Treatment, if applicable	N/A
Verification of Legal Status	8
Texas Department of Transportation Coordination Letters	9
Entity Exercising Maintenance Responsibility of Public Roadway, if applicable	N/A
FEMA Map	10
<input type="checkbox"/> Facility Design Demonstration for Flood Management, or <input type="checkbox"/> Conditional Letter of Map Amendment from FEMA, if applicable	N/A
Wetland Documentation, if applicable	N/A
Council of Governments Review Request Coordination Letters	11

Table Att-2. Additional Attachments; check all that apply.

Attachments	Attachment No.
<input checked="" type="checkbox"/> TCEQ Core Data Form(s)	12
<input checked="" type="checkbox"/> Fee Receipt or copy of check	13
<input type="checkbox"/> Published Zoning Map	N/A
<input type="checkbox"/> Delegation of Signatory Authority	N/A
<input checked="" type="checkbox"/> Manufacturer Specifications for Waste Management Units	14
<input type="checkbox"/> Additional Storage and Processing Unit Closure Cost Items	N/A
<input type="checkbox"/> Confidential Documents	N/A
Other Site Operating Plan, Financial Assurance, and Closure Requirement	15

**OTHER SITE OPERATING PLAN, FINANCIAL ASSURANCE, AND CLOSURE
REQUIREMENTS**

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transferred from vehicle to vehicle. The vehicles will be parked end to end to provide visual screening and will minimize noise pollution.

§326.75(n) OVERLOADING AND BREAKDOWN

§326.75(n)(1) Design Capacity

The maximum amount of waste to be received at the facility is 50 tons per day. The facility may operate up to two autoclave units. Each autoclave unit has the capacity to treat 22.5 tons in a 24-hr period. The facility will not accumulate solid waste in quantities that cannot be processed/transferred/stored within such time as will preclude the creation of odors, insect breeding, or harborage of other vectors. If such accumulations occur, additional solid waste will not be received until the adverse conditions are abated. Alternately, incoming waste may be transported to another registered/permitted medical waste management facility.

§326.75(n)(2) Work Stoppage and §326.75(n)(3) Alternate Processing Procedures

If a significant work stoppage should occur at the facility due to mechanical breakdown or other causes, the facility will restrict the receiving of waste accordingly. Under such circumstances, incoming waste will be diverted or transported to a registered/permitted medical waste management facility.

If the work stoppage is anticipated to last long enough to create objectionable odors, insect breeding, or harborage of vectors, the accumulated solid waste will be transferred to a refrigeration unit or removed from the facility and taken to registered/permitted medical waste management facility.

Additional transport vehicles or refrigeration units will be brought in as needed. Additional transport units will meet the requirements of 30 TAC §326.53 relating to Transporters. All transporters hauling untreated medical waste will be properly registered in accordance with 30 TAC §326.53.

Additional processing units may be brought in to treat waste. Any additional units brought in to treat waste will be the equivalent to the existing treatment units.

§326.75(o) SANITATION

§326.75(o)(1) Sanitary Facilities

Potable water and sanitary facilities are provided for all employees and visitors. The site is connected to the City of Houston public water and sanitary sewer systems.

§326.75(o)(2) Wash Schedule

All working surfaces that come in contact with wastes shall be washed down on a weekly basis using bleach solution and/or EPA registered disinfectants. at the completion of processing. When operating on a continuous basis, the facility will be swept daily and washed down at least twice per week.