SET ENVIRONMENTAL, INC.

HOUSTON FACILITY
SITE PROFILE

SET ENVIRONMENTAL, INC. SITE PROFILE

TABLE OF CONTENTS

Revised – February 2026

TOPICS **PAGE**

EXHIBITS

SET ENVIRONMENTAL, INC.

SITE PROFILE

I. GENERAL INFORMATION

NAME:	**SET Environmental, Inc.**
MAILING ADDRESS:	5738 Cheswood Houston, Texas 77087
FACILITY ADDRESS:	5743 Cheswood Houston, Texas 77087
TELEPHONE:	(800) 598-7328 or (713) 645-8710
FAX:	(713) 649-1027
CONTACTS:	Dave DeVries CEO
	Joel Tameling President
	Jeffery Lindsey Facility General Manager
	Scott Skoog Facility Engineer
	David A. Olsen Technical Compliance Manager
	James Vasquez Safety Manager
OFFICE HOURS:	8:00 a.m. to 5:00 p.m. (Weekdays)
RECEIVING HOURS:	8:00 a.m. to 4:00 p.m. (Weekdays)

II. SITE DESCRIPTION

LAYOUT

The facility is situated on a one (1) acre site and has three (3) permitted storage buildings (a map of the facility is included as Exhibit A):

1. Warehouse - used for various types of hazardous waste storage, and metal drum compaction. This storage building has a concrete base that is coated with an epoxy sealant. To prevent run-on, run-off and accumulation of rainwater this building is roofed, has walls and is surrounded by a six-inch high concrete curb. Six-inch high concrete curbs within the containment area are used to separate incompatible material. Each separate storage area has the capacity to contain a minimum of 10% of the volume of waste stored in that area and 100% of the largest container in that area.

2. Process Building - used for chemical treatment, compressed gas and lab pack processing. This storage building also has a concrete base, is roofed and has walls. A six-inch high concrete secondary containment curb also surrounds this building. This building houses two permitted container storage units (CS-1 and CS-3) and three chemical treatment tanks (PT-2, PT-11, PT-12).

3. Ignitable Storage Building - used for the storage of flammable wastes in containers. This container storage area has a concrete base, is roofed and enclosed on three sides. The container storage area is sloped to a low point in the center of the building and has the capacity to contain a minimum of 10% of all waste and 100% of the largest container stored in this area. This building is divided into three separate permitted storage units (CS-4, CS-5 and CS-6). Prior to 2009 this building housed 4 fuel blending tanks that have been clean closed and removed. A permit modification authorized November 13, 2017 expanded CS-6 to include the old fuel blend tank farm.

LOCATION

The facility is located outside the 100-year flood plain and apex of two watersheds. This explains why, with all the flooding Houston has experienced, there has never been any flooding near the facility. The surrounding area within one mile of the facility is classified as mixed commercial, residential and industrial. The nearest home is 1,100 feet north, the nearest school is 3,500 feet southeast and the nearest surface water (Sims Bayou) is 7,250 feet southeast of the facility. There are no down gradient drinking water wells within one (1) mile. Storm water flows to Brays Bayou located 2 miles north of the facility.

SECURITY

A six (6) foot high chain link fence topped with three (3) strands of barbed wire encloses the entire facility. All gates are closed and locked using magnetic locks and/or case-hardened chains and pad locks. On-site security personnel patrol the facility during non-operational hours. The facility is equipped with an intrusion detection and CCTV System. As required by 40 CFR 264.24, signs that state “Danger - Authorized Personnel Only” are posted on the perimeter of the site. These signs are posted in English and are visible from at least 25 feet.

FACILITY HISTORY

SET Environmental, Inc. was incorporated in the State of Illinois on April 4, 1979 and purchased the facility from Nuclear Sources and Services Inc. (NSSI) on April 8, 1988. At the time of purchase, the facility was under interim status and had been operated by NSSI since 1985.

The site was used for agricultural purposes up to 1930. Between 1930 and 1981 the property was privately owned. During this time no entities were identified that would suggest any on site industrial or commercial activities. Aerial photographs taken in 1969 and 1975 show the property to be vacant. Nuclear Sources and Services, Inc. (NSSI) purchased the property in 1981. NSSI began construction of the existing facility in 1985 for the purpose of hazardous waste treatment and storage.

Prior to purchasing the facility, SET Environmental hired an independent engineering and consulting firm to conduct a pre-acquisition environmental risk assessment of the property. The assessment included sampling of soil and groundwater. There were no signs of contamination observed in the groundwater; however, low concentrations (highest level = 3.1 ppm) of PCBs were detected in the upper foot of soil at the southern most end of the facility. Soil core analysis at two- and three-foot depth did not show any contamination. The soil showing low concentrations of PCB's in the upper foot was excavated and disposed of in April of 1988.

SET Environmental, Inc. was issued a Part B Permit on October 4, 1990 from the Texas Natural Resource Conservation Commission and December 14, 1990 from the United States Environmental Protection Agency. SET Environmental's RCRA permit was renewed in 2002, 2013, June 6, 2024 and will expire on June 6, 2034. The facility name was changed from Treatment One, Division of SET Environmental to SET Environmental, Inc. in March of 2002 to better convey the comprehensive services offered by the company.

III. FINANCIAL INFORMATION

CORPORATE OFFICE:	SET Environmental, Inc. 450 Sumac Road Wheeling, Illinois 60090 (800) 634-6856 or (847) 537-9221
FORM OF OWNERSHIP:	Private Corporation
COMPANY OFFICERS:	Dave Devries, CEO Bernard Tameling, Secretary/Treasurer
DUN & BRADSTREET NO:	09-897-9297
CLOSURE PLAN MECHANISM:	Trust Fund (fully funded)
CLOSURE COST ESTIMATE:	$1,228,173 (Last Update: December 2025)
INSURANCE CERTIFICATE:	See Exhibit B
NUMBER OF EMPLOYEES:	Approximately 650 (Total), 45 (Houston Facility)

IV. REGULATORY INFORMATION

USEPA ID NO:	TXD055135388	
STATE REGISTRATION NO:	50267	
PART B PERMIT NO:	HW-50267-001 (See Exhibit C)	
SIC CODE:	4953	Refuse Systems
	4953-01	Hazardous Waste Collection and Distribution
NAICS CODE:	562211	Hazardous Waste Treatment and Disposal
REGULATORY STATUS:	SET - Houston is currently under no enforcement action by any regulatory body.	
PERMIT WRITER:	Texas Commission on Environmental Quality To Be Determined Waste Permits Division Industrial and Hazardous Wastes Permits Section P.O. Box 13087 Austin, TX 78711-3087	
INSPECTION OFFICIAL:	Texas Commission on Environmental Quality, Region 12 5425 Polk Avenue, Suite H Houston, Texas 77023 Mr. Mathew Gooris, (713) 767-3724	

V. ADMINISTRATIVE INFORMATION

BACKGROUND OF KEY PERSONNEL:

Dave DeVries, CEO, B.S. Business Administration
1997 - Present – SET Environmental, Inc.
1994 - 1997 - General Manager; Treatment One, Division of SET Environmental
1991 - 1994 - General Manager; SET Environmental, Inc.- Remediation Division
1986 - 1991 - Various Positions; SET Environmental, Inc.

Jeff Lindsey, General Manager, BS Business Management
2026 – Present – SET Environmental, Inc.
2021 - 2026 – Olin Chemical
2006 - 2021 – Lindy/Praxair

Jeremy Vasseur, Facility Chemist, M.S. Chemistry
2021 - Present – SET Environmental, Inc.
2020 – Graduate MS Chemistry Louisianna State University

Scott Skoog, Facility Engineer, B.S. Chemical Engineering, PE
1995 – Present – SET Environmental, Inc.
1993 - 1995 – Operations Manager, Treatment One, Division of SET Environmental
1985 - 1993 - SET Environmental, Inc; Permitting

David A. Olsen, Technical Compliance Manager
Certified Hazardous Materials Manager
2025 - Present – SET Environmental, Inc. Houston TSDF
2007 – 2025 – Technical Compliance Manager Houston Field Services
1986 - 1988 - SET Environmental, Inc; Project Manager

James Vasquez, CSP, CSP, CSST/CSSS/ST/FS-NCCER, Safety Manager
2023 – Present SET Environmental, Inc.
2019 - 2022 Area Safety, Hi-Tech Industrial Services, LLC, Decatur, IL,
2015 - 2019 Safety, Stronghold Companies (Stronghold Inspection, EPC, ETS, Turnkey I&E, and Citadel), La Porte, TX
2014 - 2015 Laboratory, Inspectorate Bureau Veritas,
2005 - 2014 Chemical, Operations, and Laboratory, SGS North America Inc., Multiple Locations, TX

BREAKDOWN OF EMPLOYEES BY DEPARTMENT:

VI. WASTE PROCESSING SYSTEMS

CHEMICAL TREATMENT: There are three tanks that make up the chemical treatment system. The tanks: identification numbers are PT-2, PT-11, and PT-12; permit numbers are 8, 9, and 16, and capacities are 1,870, 1,500, and 1,500 gallons, respectively.

All four tanks and associated ancillary equipment are:

(1) Above ground;
(2) Equipped with sealed secondary containment capable of containing the contents of the largest tank;
(3) Equipped with agitators except PT-12;
(4) Inspected every three (3) years for integrity by an independent registered professional engineer, and are;
(5) Inspected each workday by qualified facility personnel. The purpose of this inspection is to identify any leaks, corrosion or other system failure in the tanks, ancillary equipment and secondary containment.

PT-2, PT-11 ancillary equipment:

(1) Equipped with corrosion protection (Kynar liners PT-2 and PT-11 or electroless nickel plating PT-12);
(2) Connected to an air emissions control system that is composed of a recirculating caustic counter current packed scrubber in line with an 8000-pound activated carbon bed PT-2 and PT-11.

PT-12 ancillary equipment:

(1) Equipped with corrosion protection (electroless Nickel clad carbon steel tank);
(2) Connected to an air emissions control system that is composed of a recirculating counter current packed scrubber in line with a cyclonic separator and venturi for particulate removal. The scrubber medium will either be caustic for acid gas treatment or potassium permanganate for treatment of reducing compounds.

The treatment processes designated for each tank are as follows: PT-2 and PT-12 are used for neutralization, chemical oxidation, chemical reduction and hydrolysis of compressed or liquified gases, and PT-11 is used primarily for hydrolysis of water reactive acids, oxidation/reduction and neutralization of liquids, solids.

GAS CYLINDER PROCESSING: SET Environmental, Inc. has a variety of scrubbing techniques used for the treatment and disposal and recycling of compressed gases. All processing activities take place under emission-controlled atmosphere. All tanks are equipped with an vented enclosure the allows for remote handling of gas cylinders. The flow of gases through the scrubbing systems is controlled from outside the treatment building, thereby eliminating potential exposure to the gases.

Several portable processing units are used for the treatment of compressed gases. Each primary treatment unit is equipped with a back-up unit of equal capacity. These portable processing units are connected to an air emissions control system

consisting of a caustic scrubber to remove acidic fugitive emissions and venturi scrubber to remove particulates.

Four large enclosures, maintained under negative pressure are utilized while connecting compressed gas cylinders to manifold systems. Air exhaust from each hood is controlled by an air emission control system (i.e., carbon beds, caustic scrubber, or hydride scrubber). Each system is designed to prevent employee exposure and capture any potential fugitive emissions.

In addition to processing compressed gases, SET Environmental, Inc. has the capability to overpack or repack cylinders in poor condition and to process cylinders with inoperable valves.

VII. EMISSIONS CONTROL SYSTEMS

ACTIVATED CARBON BEDS: Several activated carbon beds are utilized throughout the facility. The following chemical processing areas have emissions controlled with activated carbon.

1. Lab Pack Processing Unit
2. Two chemical treatment tanks (PT2 and PT11)
3. Portable Gas Cylinder Processing Units
4. Enclosure at PT-2
5. Cylinder QC Small Sample Hood

CAUSTIC SCRUBBERS: The facility has four caustic scrubbing units. Three are vertical, counter current, recirculating, packed towers. The fourth unit is a horizontal, caustic bath scrubber.

The following areas have emissions controlled with caustic scrubbers.

1. Chemical Treatment Tanks (PT2, PT11 and PT-12)
2. Gas Cylinder Processing Units and Enclosures
3. Lab Pack Consolidation Enclosure

PARTICULATE SCRUBBERS: The facility utilizes a reverse pulse, high efficiency particulate filtration system (HEPA) to collect silica generated during the treatment of hydride gases. Connected to one of the caustic scrubbers is a venturi particulate scrubber to capture fine particulates generated from the treatment of acidic gases. The air emissions system for PT-12 is equipped with a cyclonic separator and venturi.

VIII. WASTE TREATMENT INFORMATION

WASTE MANAGEMENT METHODS: Neutralization, Oxidation/Reduction, Hydrolysis, Repackaging, and Storage.

PACKAGING REQUIREMENTS: SET Environmental, Inc. will only accept DOT authorized packagings for shipments of hazardous materials; non-hazardous materials may be shipped in non-DOT specification packagings. Lab Pack and Gas Cylinder Protocols are available upon request.

UNACCEPTABLE MATERIAL: TSCA regulated PCBs, Radioactive Material, Explosives, Infectious Wastes and Dioxins.

EMPTY DRUM HANDLING: All drums are power washed and are either reused by SET Environmental, Inc. or are rendered unusable. Metal drums are crushed and cylinders are cut in half and sent off-site for scrap metal recycling. Poly drums are cut up and shipped off-site for land disposal.

IX. SAFETY AND TRAINING

TRAINING: SET Environmental, Inc. has developed a comprehensive training program structured into five areas: Administrative, Safety, Regulatory, Technical and Operational. Initial training includes 40 hours of classroom instruction. Each facility employee is certified in CPR/Standard First Aid. Continuing education includes a minimum of eight hours annual review complimented with monthly safety meetings.

MEDICAL MONITORING: SET Environmental, Inc.'s medical surveillance program includes a pre-employment and an annual physical examination as well as an examination upon any suspected exposure and upon termination of employment. A physician experienced in industrial medicine monitors medical surveillance results.

SAFETY EQUIPMENT: Phones readily accessible near the point of operations that can be used to summon emergency assistance. Emergency response and first aid stations are located near each processing area. See Exhibit D for description emergency response equipment. Each building is equipped with an automatic fire suppression system. The system activates when thermal detectors are exposed to a temperature of 190ºF or a temperature rise of 15º F in one minute or less. Each hood enclosure is also equipped with a separate automatic dry chemical fire extinguishing system. Once automatic systems are activated, an alarm sounds to evacuate employees and a monitoring service contacts the Fire Department. The facility is also equipped with a general alarm to aid in evacuation of the facility personnel for other emergencies. Activators are located in all facility exit routes.

X. LABORATORY INFORMATION

PERSONNEL: Experienced, degreed chemists staff SET ENVIRONMENTAL, INC.'s laboratory.

EQUIPMENT: The Houston lab is equipped with a flashpoint tester, a bomb calorimeter, halogen analyzers, pH meter, Karl Fischer titration unit, hydrometer, fourier-transform infrared spectrometer (FT-IR), and mass spectrometer.

WASTE ANALYSIS: A minimum of ten percent of the containers are sampled for each wastestream in each shipment, although SET Environmental, Inc. typically takes a composite sample of 100 percent of the containers. The sample is then analyzed to verify that wastes received are those described on the wastestream profile. Depending on the type of waste, analysis may include: % water, flashpoint, pH, BTU, %halides, specific gravity, reactive sulfide, reactive cyanide, qualitative tests for peroxides and oxidizing potential. Lab packs are unpacked and checked for conformance with

approved lab pack inventories. If the waste stream or lab pack does not conform to previously approved paperwork, SET Environmental, Inc. will contact the generator or the generator's agent in an effort to resolve the discrepancy. If the discrepancy requires further investigation, SET Environmental, Inc. will conditionally accept the waste if authorized by the generator until further analysis can be conducted. If the discrepancy cannot be resolved (this rarely occurs) the waste will be returned to the generator or an alternate facility.

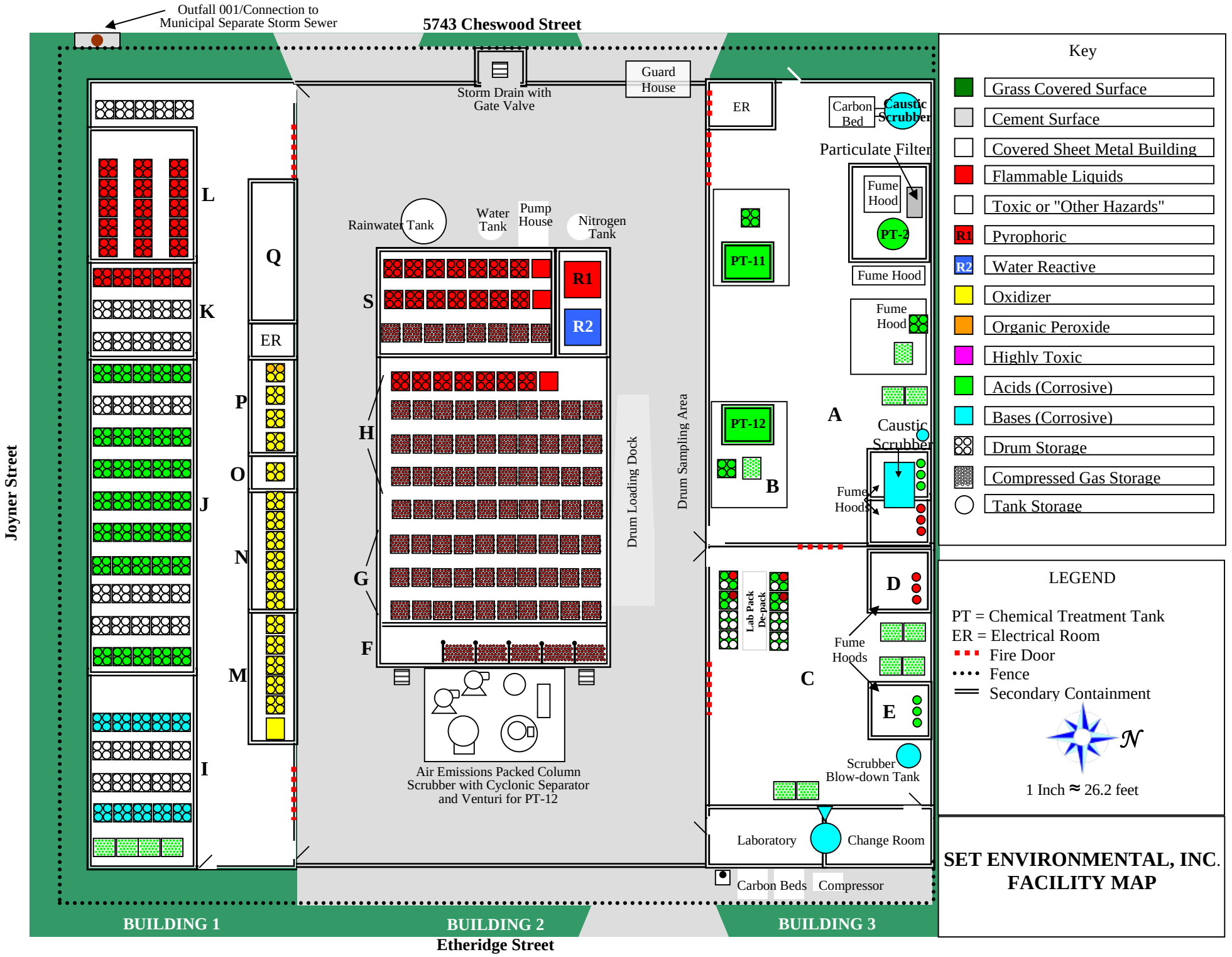
XI. RECORD KEEPING AND REQUIRED FORMS

INTERNAL RECORDS: The following records and documents are maintained by SET Environmental, Inc.: Container Inventory and Tracking System, Contingency Plan, Spill Prevention Control and Counter Measure Plan, Waste Minimization Program, Waste Analysis Plan, Inspection Schedule, Training Documentation.

WASTE PROFILE: Waste Profile sheets are required for each individual wastestream.

LAB PACK INVENTORIES Lab Pack inventories must be submitted with a Lab Pack summary form signed by the packaging agent and generator for each Lab Pack project.

CYLINDER PROFILE: Cylinder Profiles must be submitted with each batch of cylinders for approval. In addition to the completed Gas Cylinder Profile, a Gas Cylinder Inspection and Evaluation Report must be completed and attached to the Profile. The Gas Cylinder Profile must be signed by the packaging agent and generator. If at all possible, include pictures of each cylinder.


Outfall 001/Connection to Municipal Separate Storm Sewer
5743 Cheswood Street
Storm Drain with Gate Valve
Guard House
Joyner Street
Rainwater Tank
Water Tank
Pump House
Nitrogen Tank
L
K
J
I
Q
ER
P
O
N
M
S
H
G
F
R1
R2
Drum Loading Dock
Drum Sampling Area
Air Emissions Packed Column Scrubber with Cyclonic Separator and Venturi for PT-12
ER
Carbon Bed
Caustic Scrubber
Particulate Filter
Fume Hood
PT-2
PT-11
Fume Hood
Fume Hood
PT-12
A
B
Caustic Scrubber
Fume Hoods
Lab Pack De-pack
D
Fume Hoods
C
E
Scrubber Blow-down Tank
Laboratory
Change Room
Carbon Beds
Compressor
BUILDING 1
BUILDING 2
BUILDING 3
Etheridge Street
Key
Grass Covered Surface
Cement Surface
Covered Sheet Metal Building
Flammable Liquids
Toxic or "Other Hazards"
R1 Pyrophoric
R2 Water Reactive
Oxidizer
Organic Peroxide
Highly Toxic
Acids (Corrosive)
Bases (Corrosive)
Drum Storage
Compressed Gas Storage
Tank Storage
LEGEND
PT = Chemical Treatment Tank
ER = Electrical Room
Fire Door
Fence
Secondary Containment
N
1 Inch ≈ 26.2 feet
SET ENVIRONMENTAL, INC.
FACILITY MAP