October 11, 2024

Mr. Abraham Bradshaw City of Chicago Department of Public Health 2160 West Ogden Avenue Chicago, Illinois 60612

Re: City of Chicago Class V Recycling Facility Permit (ENVREC934539)

**Renewal Application** 

Stockyards Materials, LLC, 4031 South Ashland Avenue

**CEC Project 342-204** 

**Response to Deficiency Letter** 

Dear Mr. Bradshaw:

On behalf of Stockyards Materials, LLC (Stockyards Materials), this letter is submitted as an addendum to the above referenced permit renewal application (Application) regarding the Stockyards Materials, LLC Class V Recycling Facility at 4031 South Ashland Avenue, Chicago, Illinois (Facility). We are in receipt of the City of Chicago Department of Public Health (CDPH) deficiency letter dated August 26, 2024, regarding the original permit renewal application, dated April 18, 2024, that was followed by the CDPH deficiency letter received on May 28, 2024, and Stockyards Materials' response sent to CDPH on June 14, 2024. This submittal addresses the CDPH comments. For ease of review, the CDPH comments are listed in bold below followed by the corresponding response.

1) Section 3.9.5.1: All drawings must be on a legible scale, not less than one inch equals 100 feet. Please submit the drawings adhering to this scale.

<u>Response</u>: The drawings submitted in the original renewal application are at a scale of 1 inch equals 60 feet, which meets this requirement; notably as a 1 inch = 60 feet scale is larger and more legible than 1 inch equals 100 feet. Also, the revised Figure 2 - Facility Layout drawing is provided as a part of this pdf document, which allows enlargement and closer viewing of the drawing.

2) Section 3.9.5.2: We require all dimensions of the buildings and structures in the layout, including the service garage, office, cover pulverized, and scales.

<u>Response:</u> Figure 2 - Facility Layout has been updated to illustrate the dimensions of the service garage, office, pulverized dirt bin, and scales/scale house. The revised Figure 2 is provided as Attachment 1.

3) Section 3.9.5.8: Please include the location of all fire suppression equipment in the layout.

<u>Response:</u> The location of fire suppression equipment is identified on Figure 2, noted as "FE" for fire extinguishers. The nearest fire hydrant is identified on the west side of Ashland Avenue. The water line entering the Facility from Ashland Avenue to the office building is also depicted.

4) Section 3.9.5.11: We need the number of parking spots in the layout and the maximum number of vehicles that can be queued simultaneously in the designated queuing area.

<u>Response:</u> There are ten available parking spaces located around the office building. The Facility has only three to four employees who do not always work simultaneously so the ten parking spaces adequately fulfill the Facility's needs. The parking configuration is illustrated on the revised Figure 2.

5) Section 3.9.5.13: Provide the location of all first-aid equipment and other emergency supplies in the layout.

<u>Response</u>: First aid supplies maintained on-site include an assortment of bandaging materials, disinfectant, burn treatment, eyewash, and immobilizing devices. First aid equipment is located in the office building as illustrated on the revised Figure 2.

6) Section 3.9.17.1: The barrier must be at least 8 feet high. The current layout specifies a fence height of 6 feet. Please revise accordingly.

<u>Response</u>: On April 18, 2018, when the original Class V Recycling Facility permit was issued by the CDPH, the 6-foot fencing around the Facility complied with the perimeter security requirements and the 6-foot fencing was also approved by the Illinois EPA on May 29, 2018, as part of the permit to receive and transfer general construction and demolition debris (Illinois EPA Permit No. 2017-531-OP).

Stockyards Materials will raise the height of the concrete stackable barriers surrounding the operations area (as illustrated on the Facility Layout) to a minimum height of 8 feet as a good faith accommodation. Figure 3 has been revised to reflect the 8-foot dimension for the concrete stackable barriers. It should also be noted that the fencing on the east and south property lines is backed by natural barriers in the form of long-existing trees and vegetative cover that more than exceed 8 feet.

The fencing on the north side is owned by the City of Chicago Department of Water Management and cannot be modified by Stockyards Materials.

On the west side facing Ashland Avenue, Stockyards Materials installed 6-foot high, wrought iron, black ornamental stockade fencing, which was the landscaping code and regulatory requirement at the time of permitting. Replacing this fence — which is new, in good condition, and compliant at the time of installation — would be cost prohibitive. Adding barbed or razor wire at the top to increase the height by 2 feet

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would be unsightly and not in keeping with beautification efforts. It should also be noted that the operational and storage areas are a significant distance away from Ashland Avenue and are screened from view from Ashland Avenue by the site buildings. No other public streets abut the property.

7) Section 3.9.20: Submit evidence of approval by the State Fire Marshal's Office or provide explanations if approval is not required.

<u>Response</u>: A 550-gallon steel above ground storage tank is leased from Pinkerton Oil and holds diesel fuel for on-site equipment. The proof of registration of the tank with the Illinois Office of the State Fire Marshal is provided as Attachment 2.

8) Section 3.9.21.1: An Air Quality Impact Assessment is required by ordinance. Since the facility plans to process more than 1,000 tons per day (1,250 tons) and qualifies as a Class V and Consequential Facility, the facility must provide CDPH with emissions and air dispersion modeling studies. If is not changes from the last renewal, the Facility could send the last one.

Response: Stockyards Materials submitted a Dust Monitoring Plan to the CDPH on January 28, 2022, under which the Facility has been continually providing ambient air monitoring reports. A copy of this plan was included in the original application and provides monitoring of airborne particulate matter, thereby satisfying the goals of the Air Quality Impact Assessment, which was not required by the City until after this Facility had been permitted and operational.

9) Section 3.10.3.2: Provide a health and safety plan that includes job hazard assessments and a description of OSHA-required safety devices or procedures for all processing equipment, including electric lockout devices, guarding, emergency stopping devices, and explosion-proof switches and controls.

Response: The following is an overview of the safety program at Stockyards Materials:

- Check-in and escort procedures: Signage has been posted in prominent locations of the Facility and directs all non-employees visiting the Facility to check in at the scale house or office building, and any visitors on the site are escorted at all times by Facility personnel.
- Personal protective equipment: All visitors to the Facility are provided with a safety vest, safety glasses, and a hardhat that are required to be worn at all times during the Facility visit.
- Potential hazards: Although potential hazards at the Facility may stem from truck and heavy equipment traffic, slippery material on the ground surface, or material sliding down the slope of a stockpile, each of these potential hazards have been managed to mitigate risk to employees and visitors.

- Evacuation procedures: In case of an emergency evacuation, visitors will be returned to the scale house or office building, escorted to their cars, and accompanied by Facility personnel until they have safely exited the Facility.
- Other safety procedures: Caution is required to be exercised when moving in or near proximity to heavy equipment because the machinery may pose a danger to those not experienced with its use.
- 10) Section 3.10.3.3: Submit descriptions and results of any OSHA-required worker air and noise exposure sampling for facility activities such as welding, torching, sanding, crushing, and grinding. To the extent applicable, these documents should comply with Health Insurance Portability and Accountability Act (HIPAA) requirements.

<u>Response:</u> No welding, torching, sanding, crushing, grinding, or other activities requiring worker air or noise exposure sampling occurs as part of Stockyards Materials' permitted operations; therefore, no OSHA exposure sampling has been performed at the Facility to date.

11) Section 3.10.4.4: Submit details and specifications of a fire detection system for the Facility.

<u>Response</u>: Construction and demolition debris materials handled at this Facility are exclusively inert soils, rocks, and broken concrete. This material is not subject to the types of fire risks that would be served by a detection system. The location of fire suppression equipment is depicted on Figure 2.

12) Section 3.10.4.7: Submit a stockpile monitoring protocol as required under the LRF Rules.

<u>Response</u>: Although the types of construction and demolition debris handled at this Facility are exclusively inert soils, rocks, and broken concrete, which is not susceptible to fire risks, Facility personnel inspect the stockpiles on a daily basis to ensure that the stockpiles are free of hazards.

13) Section 3.10.8.2: Confirm the quantity of each type of vehicle listed in the application.

<u>Response:</u> Presently located on-site is one excavator, one water truck, and one frontend loader used in the daily operations of the Facility.

14) Section 3.10.10.3: Provide all information related to the street sweeper as required under the LRF Rules.

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<u>Response:</u> The street sweeper used on-site is a Broom Bear 4-Wheel Mechanical Sweeper manufactured by the Elgin Sweeper Company. A specification sheet is provided as Attachment 3.

# 15) Section 3.10.10.6: Explain how records will be kept with respect to daily cleaning activities.

<u>Response:</u> A daily log is maintained to document the operation of the street sweeper and the water truck. An example copy of the forms used is provided as Attachment 4.

We understand that a new thirty-day public comment period will commence upon your receipt of this submittal. Should you have any questions or comments regarding this submittal, please contact us at (630) 963-6026, or via email at bschwartz@cecinc.com or bwozniak@cecinc.com.

Respectfully submitted,

# CIVIL & ENVIRONMENTAL CONSULTANTS, INC.

Elizabeth S. Schwartz

Project Manager

Brian J. Wozniak, P.E.

Vice President

Enclosures: Attachment 1 - Revised Figures

Attachment 2 - Illinois State Fire Marshal AST Registration

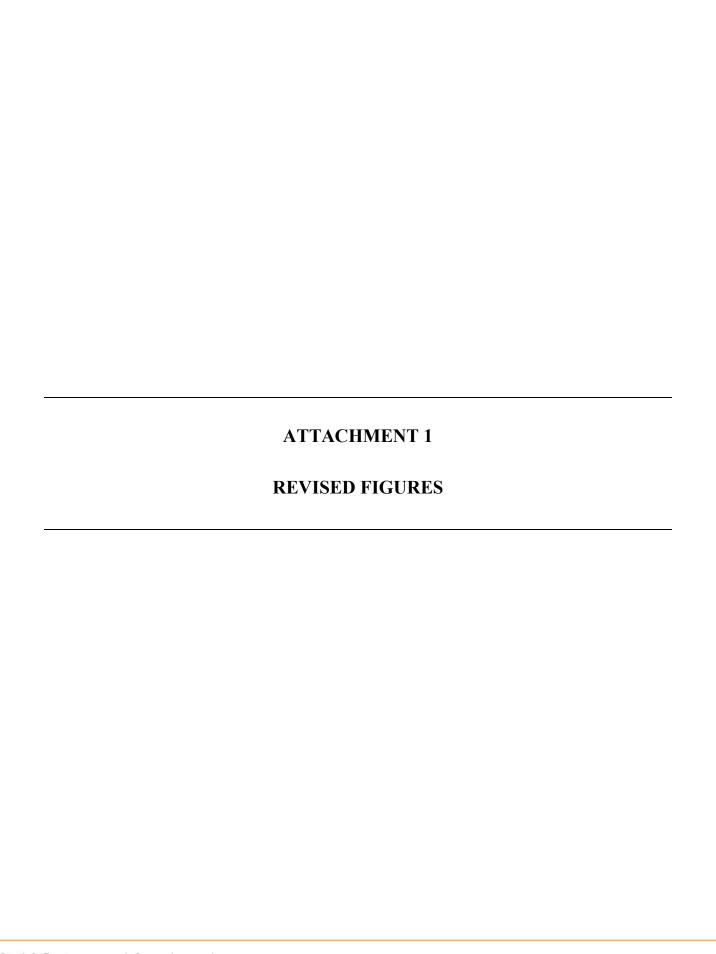
Attachment 3 - Street Sweeper Specification Sheet Attachment 4 - Housekeeping Daily Log Forms

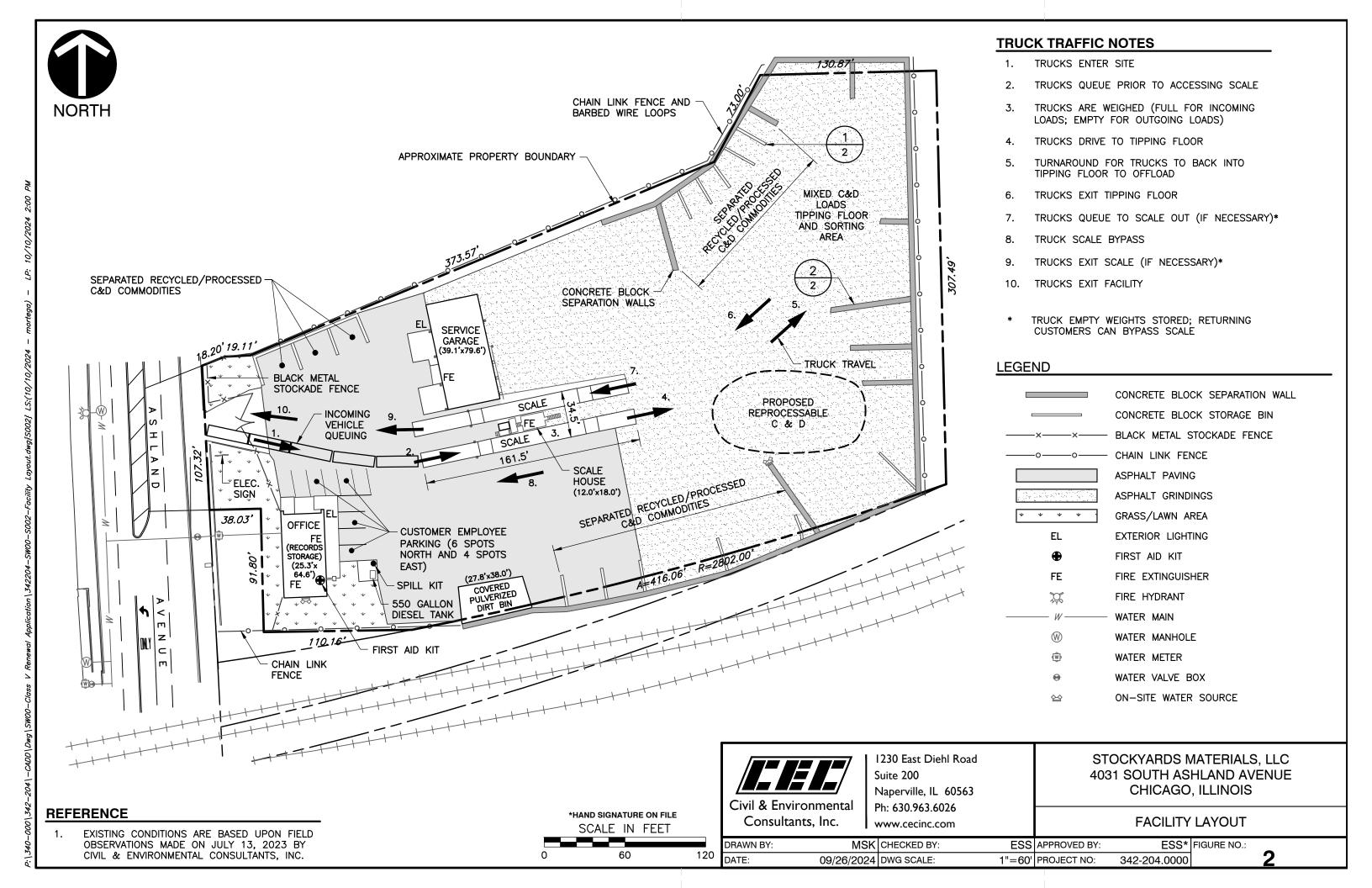
cc: Mr. Jim Bracken, Stockyards Materials (electronic delivery)

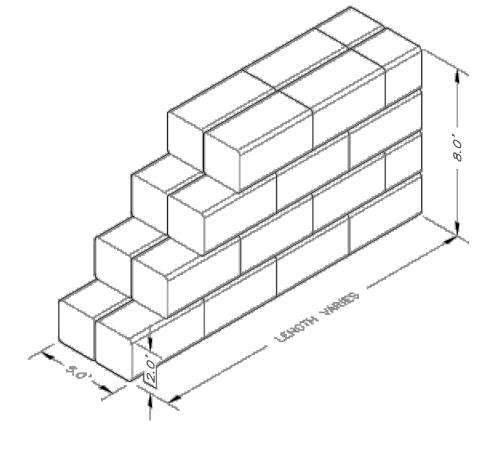
Ms. Kim Conerty, Stockyards Materials (electronic delivery)

Mr. Michael Synowiecki, Georges and Synowiecki, Ltd. (electronic delivery)

Mr. Richard Toth, Georges and Synowiecki, Ltd. (electronic delivery)







2 CONCRETE BLOCK SEPARATION WALL
2 NOT TO SCALE

1 CONCRETE BLOCK STORAGE BIN NOT TO SCALE



I 230 East Diehl Road Suite 200 Naperville, IL 60563 Ph: 630.963.6026 www.cecinc.com STOCKYARDS MATERIALS, LLC 4031 SOUTH ASHLAND AVENUE CHICAGO, ILLINOIS

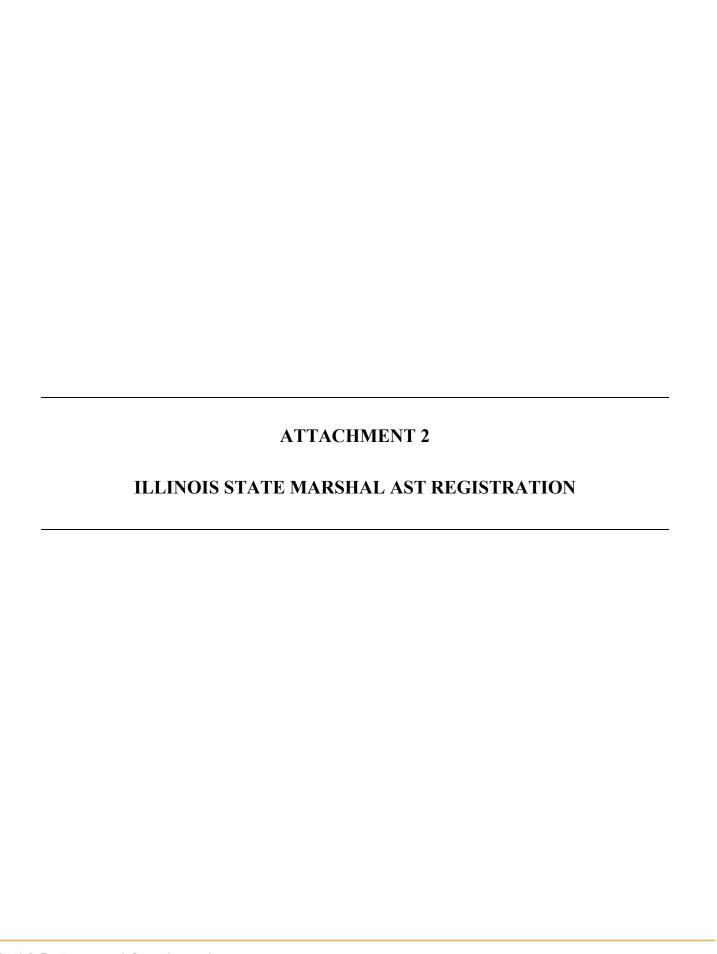
**DETAILS** 

DRAWN BY: MSK CHECKED BY: ESS APPROVED BY: ESS\* FIGURE NO.:

DATE: 09/26/2024 DWG SCALE: NOT TO SCALE PROJECT NO: 342-204.0000

\*HAND SIGNATURE ON FILE

wg\SW00-Class V Renewal Application\342204-SW00-S003-Details.dwg{S003} LS:(9/26/





#### OFFICE OF THE ILLINOIS STATE FIRE MARSHAL

#### **Application Summary**

Created by: James Bracken, Stockyards (kim@utilitytrans.com)

Person, Firm or Company Performing Work

Company Name Pinkerton

**Address** PO Box 599

Chesterton, IN 46304

Phone Number (219) 926-1246

Email Address dpaton@pinkertonoil.com

Owner

Owner Name Stockyards Materials
Address 4031 S. Ashland Ave.

Chicago, IL 60609

**Contact Person** James Bracken **Phone Number** (708) 331-4200

Email Address kim@utilitytrans.com

Facility—

**Facility Name** Stockyards Materials **Address** 4031 S. Ashland Ave.

Chicago, IL 60609 Cook County

**Parcel PIN** 

**Contact Person** James Bracken **Phone Number** (708) 331-4200

Email kim@utilitytrans.com

**Additional Facility Information** 

New Facility: No

Facility Type: Construction Sites

Installation for non-retail dispensing of fuel into fuel tanks of motor vehicles or portable containers: Yes

Open to the general public: No

Located Indoors: No

Fire Department: City of Chicago

Tank 1 - 550 gallons of Diesel Fuel

Tank is: New

Liquid Classification Type: Class II: Any liquid that has a flash point at or above 100°F and below 140°F

Action to be preformed on this tank: Installing New Aboveground Storage Tanks

Material of Construction of Tank: Steel

Is this a fire-rated tank? No

Will this tank be fabricated on site (field erected) or pre-fabricated at factory? Pre-fabricated

This tank conforms to the following standards: UL 142

Is the tank electrically grounded per UL 142 Standards? Yes

Is a normal vent pipe provided which is a minimum  $1\frac{1}{2}$  inch in diameter and a minimum of 4 ft above the fill pipe? Yes

Emergency vent size (inches)? 4.00

Are the tanks marked to include the name of the product they contain and the words "Flammable - Keep Fire and Flame Away" in 4-inch letters? Yes

Will pumps be secured and locked during all periods of non-use? Yes

Are Tank(s), Pumps and Piping at least 30 ft from any adjacent buildings, combustible materials, bulk flammable or combustible liquid storage tanks, and LP-Gas tanks? **Yes** 

Are Tank(s), Pumps and Piping at least 30 ft from any property line? Yes

Will all vehicles being fueled from the tank(s) be 30 ft from property lines, buildings and bulk flammable/combustible liquid storage tanks and LP-Gas tanks? **Yes** 

Are the tank(s) adequately protected against collision damage? Yes

Is all electrical wiring within 30 ft of the tank in rigid metal conduit? Yes

Are seal-offs provided at all connections? Yes

Material of Construction of Piping: Aboveground - steel

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# Office of the Illinois State Fire Marshal Technical Service Division

555 W. Monroe Street Suite 1300-N Chicago, IL 60661 (312)814-8960

# **FOR OFFICE USE ONLY**

Facility # 9001724
Review Letter# 1642-2024DSP
Facility: Stockyards Materials
Application Type: Dispensing
Facility Type: Construction

Sites

Application Rec'd: 10/8/2024 Review Issued: 10/10/2024 Review Expires: 10/10/2025

# <u>Installation (Existing Facility) of Aboveground Storage Tank(s)</u>

Applications and drawings have been reviewed by the Technical Services Division of the Office of the Illinois State Fire Marshal (OSFM), for the proposed installation of aboveground storage tanks (ASTs) intended for dispensing fuel into motor vehicles or portable containers at the above referenced location.

Once All work is completed, you must request an on-site inspection, which must be conducted and all violation abated prior to tanks being filled with product and placed into service

A copy of this review letter is being returned to you as well as to the local fire department. You are required to contact the assigned OSFM Fire Prevention Division Regional Office via email correspondence when all work has been completed and before the proposed tanks are filled with product to request that an on-site inspection be scheduled. The installation shall not be placed in operation until approval is given by the OSFM.

Please send your request for inspections to SFM.FirePreventionChicago@illinois.gov.

# The e-mailed correspondence must include the following:

- 1. Name of Facility.
- 2. Address of the tank installation location.
- 3. Name and phone number of person responsible for scheduling the inspection with OSFM.
- 4. Verification that all work is completed and installation is ready for the inspection.

Please do not contact our office by phone to request this inspection, written correspondence is required to ensure scheduling.

(1) <u>OWNER OF TANKS</u> - Corporation, partnership, or other business entity:

Stockyards Materials 4031 S. Ashland Ave. Chicago, IL 60609

Contact: James Bracken (708) 331-4200

kim@utilitytrans.com

(2) <u>FACILITY</u> - name and address where tanks are located:

Stockyards Materials 4031 S. Ashland Ave. Chicago, IL 60609 Parcel PIN:

Contact: James Bracken (708) 331-4200

kim@utilitytrans.com

# (3) THIS REVIEW SPECIFICALLY PERTAINS TO:

- (a) Number and size of tanks: (Tank# 1) 550 gallons
- (b) Condition of tanks: (Tank # 1) New
- (c) Type of Tank(s): Aboveground Outdoor Dispensing Storage Tank(s)
- (d) Product stored in each tank: (Tank# 1) Diesel Fuel

- (e) Secondary Containment Type: (Tank # 1) Double Walled Tank
- (f) Material of tank: (Tank # 1) Steel
- (g) Fabrication of tank: (Tank # 1) Pre-fabricated
- (h) The application indicates that the following tank(s) will be electrically grounded: Tank # 1.
- (i) Regular and Emergency venting is to be provided.
- (j) The application indicates that collision protection will be provided for: Tank # 1.
- (4) This review plan does not pertain to the installation, removal, lining or abandonment of underground storage tanks at this facility. Nor does this review pertain to any other existing or future above ground or LP-Gas storage tanks located at this site other than those specified on the application and in this review letter.
- (5) The installation appears to conform to Title 41 Illinois Administrative Code Part 180 "Storage, Transportation, Sale and Use of Gasoline and Volatile Oils" with the following noted exceptions and special conditions:
- (6) The Office of the State Fire Marshal recommends contact with all local authorities to ensure compliance with their regulations as well as the findings of this review letter.
- (7) The Office of the State Fire Marshal will conduct an inspection as soon as possible after notification of the completion of all work. If work at the installation site is found to be incomplete or in violation of applicable regulations, follow-up inspections will be conducted at the convenience of the assigned fire prevention inspector, with use of the tanks prohibited until such final inspection occurs.
- (8) Reviewer's Comments:

# (9) PERSON, FIRM OR COMPANY PERFORMING WORK:

Pinkerton James Bracken, Stockyards PO Box 599 Phone: (219) 926-1246

Chesterton, IN 46304 Email: dpaton@pinkertonoil.com

Sincerely,

Bernard Arends



#### **GENERAL SPECS**

# Sweep Path:

Main broom only: 60 in Main broom & one side broom: 90 in Main broom and 2 side Brooms: 120 in

Chassis Commercial Class 7 Wheel Base Chassis dependent Warranty Sweeper, 1 year parts and labor

## **ENGINE (FREIGHTLINER M2)**

Make M2 Cummins L9 Type 6 cylinder Displacement 8.9 L Horsepower 260 @ 2200 RPM **Torque** 860 lb-ft (1,166 Nm) **Aspiration** Turbo charged

## **MAIN BROOM**

**Type** Prefab disposable Polypropylene filled Diameter 34 in (864 mm) **Broom Material** Polypropylene **Length** 60 in (1524 mm) **Core Type** Disposable steel tube **Speed** Constant **Drive** Hydraulic motor with direct drive

**Digging Pressure & Wear Control** Variable geometry spring Lift Control Hydraulic Mounting Full-floating trailing arm

## **SIDE BROOM**

Type 5 or 6 segment plastic disposable Diameter 46 in (1188 mm) **Broom Material** 26 in wire (660 mm) **Disc Construction** Steel **Speed** Adjustable on side of machine **Drive** Full hydraulic **Digging Pressure & Wear Control** Pneumatic, from cab Lift Control Pneumatic

**AVAILABLE ENHANCEMENTS** 

- Chevron conveyor belt
- Outside cab, side broom down pressure control
- LED strobe
- Arrow stick
- Automatic lubrication system
- Fire extinguisher
- Broom camera system (rear standard)
- Front spray bar
- Hydrant wrench
- Lighting bundles
- In cab side broom speed control

Flexibility Free-floating and full sideways oscillation **Mounting** Trailing arm

## **CONVEYOR**

Type Squeegee with replaceable rubber edging

Material (elevator bottom) Bolt-in multi section abrasion resistant steel plates

**Speed** Constant, forward and reverse Flexibility Lift independent (for large object passage)

**Drive** (forward and reverse) Hydraulic motor

Adjustment Hydraulic chain adjuster Lift Control Hydraulic (independent of rear broom)

**Ground Clearance** Liftable to 12 in (305 mm) for bulk object passage

Cascade Washdown With fill diverter

#### INSTRUMENTATION/CONTROLS

Warning Lamps & Buzzer

Low hydraulic oil Conveyor stall

## Warning Lamps

Hydraulic oil temperature Hydraulic oil filter restriction Low water spray Broom position Hopper position Water tank level

## **ELECTRICAL SYSTEM (CHASSIS)**

**Twelve Volt Negative Ground** System 160 amp alternator Battery 2- Group 31, 1850 CCA **Circuit Protection** Activated by ignition switched constant duty solenoid (except lights)

Wiring Hot stamp identified with weatherproof connectors

#### **HYDRAULIC SYSTEM**

**Sweep System Pump** Variable displacement Capacity 22 GPM Fittings O-ring face seal Reservoir Capacity 23 gal Inlet Strainer 100 mesh

Return Filter 6 micron **Filter** Restriction Indicator Breather 10 micron Cooler Externally mounted

Valves Electro-hydraulic

#### **HOPPER**

Volumetric Capacity 4.5 yd³ (3.4 m³) Material Volume 3.3 yd3 (2.5 m3) **Hopper Lift and Dump Controls** 

Electro/hydraulic in cab

# Inspection Door Offload

Right Side Minimum dump height 38 in (965 mm) Maximum dump height 11 ft 2 in (3,404 mm)

Maximum Hopper Dump Angle 50° Design Lift Capacity 11,000 lb (4,990 kg) Lifting Mechanism Two stage scissors with hydraulic cylinders

#### **WATER SPRAY SYSTEM**

Tank Construction Polyethylene Tank Capacity 360 gallons (1,362 L) **Fill Hose** 15 ft 0 in (4572 mm) with 2.5 in (64 mm) NST hydrant coupling Pump Electric diaphragm Spray Nozzles 3 across main broom

and over each gutter broom Water Filter 80 mesh plastic housing

Controls In cab pump control and flow control valves at each side broom

#### **PAINT**

# Body:

High-gloss white powdercoat Custom colors available

**Undercarriage:** Grey powdercoat

## **CHASSIS**

Freightliner M2, Autocar Xpert, International MV607, or Peterbilt 537. Contact your Elgin Dealer for detailed chassis specifications.

Your local Elgin Dealer is:

© 2023 Elgin Sweeper Company

## WARRANTY

# Sweeper

1 year parts and labor

### **Engine**

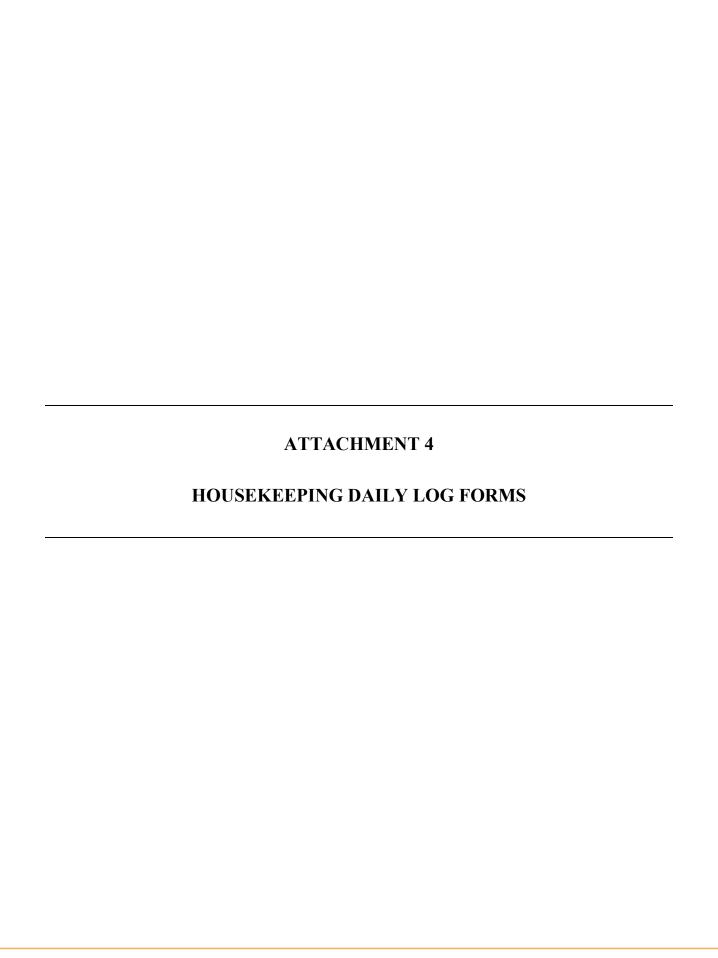
Consult Factory



1300 W. Bartlett Road Elgin, Illinois, U.S.A. 60120-7529 (847) 741-5370 Phone (847) 741-3035 Fax www.elginsweeper.com

Federal Signal Corporation is listed on the NYSE by the symbol FSS.

Effective 11/23 Specifications subject to change without notice. P/N 0705288-O





# STREET SWEEPER DAILY LOG

Materia		Year	2024	Month	JAN
Date	Time In	Time Out	Truck #	Driver	Initials
1/1/2024					
1/2/2024					
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1/31/2024					



# **WATER TRUCK DAILY LOG**

Materia		Year	2024	Month	JAN
Date	Time In	Time Out	Truck #	Driver	Initials
1/1/2024					
1/2/2024					
1/3/2024					
1/4/2024					
1/5/2024					
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