RESPONSES TO REQUEST FOR EXPRESSED INTEREST FOR EXISTING AND PROPOSED TRANSFER PROCESSING, BENEFICIAL END-USE AND DISPOSAL FACILITIES RELATED TO COMMERCIAL WASTE ZONES

FULL SUBMISSIONS

REQUEST FOR EXPRESSIONS OF INTEREST

For Existing and Proposed Transfer, Processing, Beneficial End-Use and Disposal Facilities Related to Commercial Waste Zones SUBMISSIONS SUMMARY TABLE

In December 2020, DSNY released a Request for Expressions of Interest (RFEI) to the public to gather information from interested parties that have available existing transfer, processing, beneficial end-use or disposal facilities, or that propose to develop such facilities, for materials collected under the CWZ program. The following RFEI table summarizes data submitted from a total of 17 parties, detailing specifications on 37 facilities within New York City and the region. Select the interested business from the table to access its full RFEI response.

Responses to this RFEI were optional. Proposers are free to consider arrangements with these facilities and other facilities that did not submit RFEI responses; this RFEI is proposed to supplement information carters already know of the regional facility network. DSNY does not claim responsibility for the accuracy of the information provided. For additional information on these facilities beyond what is provided, please contact the RFEI respondents directly.

Business Legal Name	Location(s) of Operation	Type of Facility	Existing or Proposed Facility	Materials Accepted	Restricted Materials	Permitted & Available Capacity	Operating Hours	Contact Person Name	Phone & Email
American Recycling Management LLC	172-33 Douglas Avenue, Jamaica, NY 11433	Transfer station	Existing (with proposed rail access project)	MSW C&D debris	All contaminated wastes Hazardous wastes Asbestos Regulated medical waste Liquid waste	Permitted: DSNY Non-putrescible: 101 TPD (expires 09/2021) DSNY putrescible:570 TPD (expires 09/2021) DEC PSW: 850 TPD DEC C&D: 150 TPD 1,000 TPD on exempted days Projected 1,000 TPD after rail project completion Available: Yes*	24 hours/day, 6 days/week	Christopher Hein	718-739-2301 ch.american@yahoo.com
Bioenergy DevCo	Southern Westchester (TBD)	Anaerobic digestion facility	Proposed	Food wasteOrganic wasteSSOW	Over 5% contaminated wastes Hazardous Flammable Radioactive Biologically dangerous waste (sewage/biosolids)	Permitted (pending approvals): • Anticipated 100,000 TPY Available: No response recorded	 24 hours/day, 7 days/week Receiving hours: Mon-Sat 7am - 5pm As-needed 	Peter Ettinger	443-782-3427 ext. 111 pettinger@bioenergydevco.com

Acronyms and Notes

C&DConstruction & DemolitionPSWPutrescible Solid WasteMSWMunicipal Solid WasteTPDTons per daySSOWSource Separated Organic WasteTPYTons per yearN/ANot Applicable*Amount unspecified in response

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Cogent Waste Solutions, LLC	105-115 Thames Street, Brooklyn, NY 11237	Transfer station	Existing	• MSW • SSOW	No response recorded	Permitted (expiration unspecified): NYSDEC: 560 TPD MSW and/or SSOW DSNY: MSW: 224 TPD SSOW: 112 TPD Available: No response recorded	No response recorded		
	5835 47th Street, Maspeth, NY 11433	Recyclables Handling & Recovery Facility	Existing	Corrugated cardboard Mixed paper/ newsprint Plastics	No response recorded	Average throughput (permits and permit expiration unspecified): Corrugated cardboard: 75 TPD Newsprint/Mixed paper: 75 TPD Plastics: 75 TPD Available: No response recorded	No response recorded	Anthony Tristani	718-349-7555 atristani@cogentwaste.com nstristani@cogentwaste.com lschillinger@msn.com
	Staten Island	C&D Processing Facility; Navigational dredge material processing/ transfer facility	Proposed (under contract for acquisition)	MSW	No response recorded	Permitted: <i>No response recorded</i> Available: <i>N/A</i>	No response recorded		

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Business Legal Name	Location(s) of Operation	Type of Facility	Existing or Proposed Facility	Materials Accepted	Restricted Materials	Permitted & Available Capacity	Operating Hours	Contact Person Name	Phone & Email
Cooper Recycling	123 Varick Avenue, Brooklyn, NY 11237	Recyclables Handling & Recovery Facility	Existing	 C&D debris Glass Mixed paper Plastics Ferrous/non-ferrous metals 	Hazardous waste Radioactive waste Liquid waste E-waste Infectious waste Regulated medical waste Asbestos Petroleum- contaminated soil Tires Historical fill Putrescible waste	Permitted: 5,249 TPD NYSDEC permit expiration: 04/2025 NYSDOS permit expiration: 06/2021 Available: Over 1,000 TPD Note: Cooper may modify existing permits (for commercial recyclables and C&D) or apply for separate facility registration, to become eligible to accept commercial recyclables. This will require an application and coordination with NYSDEC and NYCDOS.	Receive, process, transfer/export materials: 24 hours/day, beginning Mon (12:01am) to Sat (3pm)	Naomi Cooper	718-497-4431 ncooper@coopertank.com
Denali Water Solutions, LLC	325-327 Casanova Street, Bronx, NY 10474	Source Separated Organics Transfer Station	Proposed	Pre- & post- consumer food waste	Over 10% contaminated wastes Hazardous waste Friable asbestos Paint Medical waste Electronic waste Construction debris Batteries Concrete Glass	Permitted: NYSDEC: 166 TPD MSW (expires 06/2021) Seeking modification for organics acceptance by NYSDEC Available: Yes*	Mon-Sat: 24 hours/day	Jeffrey J. LeBlanc	315-374-8645 jeffrey.leblanc@denaliwater.com

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1900 South Operator LLC	1900 South Avenue, Staten Island, NY 10314	Intermodal Transfer Facility Fill Material Transfer Station	Existing	PSWC&D debris	Intermodal materials must be enclosed in intermodal containers	Permitted: DSNY: 6,000 TPD/ 9,000 yards MWS & PSW (Intermodal permit expires 02/2022; Fill transfer permit expires 01/2022) Available: Yes*	24 hours/day, 7 days/week	Dov Hertz	646-630-8609 dh@dhphllc.com
EcoRich LLC	TBD	Aerobic Food Waste Processing & Compost Production Facility	Proposed	Organic food materials Organic garden waste	Oils and liquidsPlasticsGlassMetals	Proposed: 10 TPD Available: No response recorded	No response recorded	Manish Desai Charles Nouhan	973-453-1263 manish.desai@ecorichenv.com charles@ecorichenv.com
Emerson Recycling Corp	63 Emerson Place, Brooklyn, NY 11205	Recyclables Handling & Recovery Facility	Existing	CardboardPaperTextilesPlastic	Contaminated materials	Permitted: 250 TPD (permit expiration unspecified) Available: 150 TPD	• Mon-Fri: 5am - 12am • Sat: 5am - 12pm	Stephen Leone	718-622-1799 sleone@thesmartercarter.com
Gaeta Green Environmental Services	17-25 Van Street, Staten Island, NY 10310	C&D Transfer Station	Existing	 Wood Land cleaning debris Various grades of plastic Glass Ferrous & nonferrous metals [Pending] Metals, glass and plastics 	Asbestos Regulated medical waste Liquid waste Putrescible waste Contaminated general fill Hazardous waste	Permitted: 850 TPD NYSDEC permit: 10/2022 DSNY permit: 04/2021 Available: Yes*	Mon-Fri: 6am - 6pm Sat: 6am - 1pm	Rachel Lattanzio	718-720-7220 rachel@greenenvironyc.com
	1641 Richmond Terrace, Staten Island, NY 10310	Full-service scrap metal processing facility	Existing	Ferrous & non- ferrous metals	Hazardous materials	Permitted: No response recorded Available: Yes*	• Mon-Fri: 8am - 4:30pm • Sat: 8am - 2:30pm		

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Liberty Ashes Inc./Jamaica Recycling Corp.	94-21 165th Street, Jamaica, NY 11433	Recycling Facility	Existing	 Glass Metals Paper	Contaminated materials	Permitted: (undergoing renewal & modifications as NYSDEC permit expired 05/2020): • Glass: 300 TPD • Aluminum: 125 TPD • Cardboard: 60 TPD • Plastic: 15 TPD Available: No response recorded	24 hours/day, 7 days/week	Stephen Bellino	718-526-1465 sb@libertyashes.com
Linden Renewable Energy, LLC	4900 Tremley Point Rd, Union County, Linden, NJ 07036	Anaerobic digestion facility	Proposed	Pre-processed SSOW Organic substrates (fats, oils, grease) Dissolved air flotation waste Pre- & post-consumer food waste Residential & commercial sourced SSO Restaurant organic waste Food manufacturing and product preparation waste Agricultural and farm waste Corrugated paper and cardboard, cardboard trays Seed sludge	Consumer packaging	Proposed: 280 TPD (permit status unspecified) Available: Yes*	24 hours/day, 7 days/week	Andrew L. Shea James S. Potter	603-475-5914 jim.potter@rngenergysolutions.com

Acronyms and Notes

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Metropolitan Paper Recycling	854 & 864 Shepherd Avenue, Brooklyn, NY 11208	Recyclables Handling & Recovery Facility	Existing	 Old Corrugated Containers Mixed paper/newsprint High grade paper Metal Glass Plastics 	Over 15% contaminated wastes	Permitted: 250 TPD (NYSDEC permit expires 03/2023) Available: 75 TPD	Sun-Friday: 11pm - 5pm	Greg Bianco	718-257-8584 gbianco@mprnyc.com
	65th Street Rail Yard, Brooklyn, NY 11220	Recyclables Handling & Recovery Facility	Proposed	PaperC&DMSW	No response recorded	Permitted: No response recorded Available: No response recorded	No response recorded		
Paper Fibres Inc.	960 Bronx River Avenue, Bronx, NY 10473	Paper Recycling Center	Existing	 Old corrugated cardboard SOP Clean mixed paper Newsprint 	No response recorded	Permitted: NYSDEC Registered Facility; TPD not specified Available: No response recorded	Mon-Fri: 24 hours/day Sat: 12am - 8am As-needed basis for off-hour delivery	Peter Benedetto	718-991-3842

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RNG Staten Island, LLC	1780 South Avenue, Staten Island, NY 10314	SMARTFERM Dry Digester Plant	Proposed	 SSOW Food soiled papers Biodegradable silverware Floral waste Yard waste 	Over 10% contaminated wastes Non- biodegradable material	Permitted: 30 TPD (Projected NYSDEC permit approval – March/April 2021) Available: <i>N/A</i>	365 days/year, 24 hours/day	Kumar Amitt	347-368-4596 kamitt@globalorganicsrecycling.com
	187-40 Hollis Avenue, Jamaica, NY 11423	Single Stream Recycling Facility & Transfer Station	Existing	Single stream recycling	Hazardous waste	Permitted: 1,000 TPD (permit expiration unspecified) Available: Yes*	24 hours/day, 7 days/week		
Royal Waste Services, Inc	187-10 Jamaica Avenue, Jamaica, NY 11433	Single Stream Recycling Facility & Transfer Station	Existing	Single stream recycling	Hazardous waste	Permitted: 1,000 TPD (permit expiration unspecified) Available: Yes*	24 hours/day, 7 days/week	John Reali	516-456-2941 johnr@royalwaste.com
	891 E 135th Street, Bronx, NY 10454	Paper and Cardboard Recycling Facility & Transfer Station	Existing	Single stream recycling	Hazardous waste	Permitted: 249 TPD (expires 2025) Available: Yes*	24 hours/day, 7 days/week		

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Business Legal Name	Location(s) of Operation	Type of Facility	Existing or Proposed Facility	Materials Accepted	Restricted Materials	Permitted & Available Capacity	Operating Hours	Contact Person Name	Phone & Email
Royal Waste Services, Inc	170-21 Douglas Avenue, Jamaica, NY 11423	Putrescible Waste Transfer Station & Organics Facility	Existing	Putrescible & organic waste	Hazardous waste	Permitted: 600 TPD (NYSDEC permit expires 2025; DSNY permit renewed annually) Available: Yes*	Mon-Sat: 24 hours		
Waste Management of	98 Lincoln Avenue, Bronx, NY 10454	Transfer station	Existing	PSW C&D debris Non-hazardous historical fill	Regulated medical waste Hazardous waste CFC-containing goods Tires	Permitted: 4,000 TPD (renewal pending) Available: 1,900 TPD	Mon-Sat: 24 hours	Rafael Carrasco Keith	516-445-8574 860-250-6707
New York, LLC	28-50 Review Avenue, Queens, NY 11101	Transfer station	Existing	PSW Non-regulated commercial health care waste	Regulated medical waste Hazardous waste CFC-containing goods Tires	Permitted: 2,100 TPD (renewal pending) Available: 1,100 TPD	Mon-Sat: 24 hours	Higgins James "Jim" VanWoert	khiggins@wm.com jvanwoer@wm.com

Acronyms and Notes

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Business Legal Name	Location(s) of Operation	Type of Facility	Existing or Proposed Facility	Materials Accepted	Restricted Materials	Permitted & Available Capacity	Operating Hours	Contact Person Name	Phone & Email
Waste Management of New York, LLC	75 Thomas Street, Brooklyn, NY 11222	Transfer station	Existing	PSW C&D debris Non-regulated commercial health care waste Untreated, unadulterated, unpainted trees, limbs, lumber	Transfer Station: Regulated medical waste Hazardous waste CFC-containing goods Tires Wood Yard: Plywood Compressed wood Treated wood Vegetation	Permitted (expires 12/2021): • MSW: 750 TPD • C&D debris: 750 TPD Available: • MSW: 750 TPD • C&D debris: 750 TPD	 Sun-Mon: 12am - 12pm Mon-Fri: 8pm - 12pm Sat: By appointment 	Rafael Carrasco Keith Higgins	516-445-8574 860-250-6707 khiggins@wm.com jvanwoer@wm.com
	221 Varick Avenue, Brooklyn, NY 11237	Transfer station	Existing	PSW C&D debris Non-regulated commercial health care waste Non-hazardous historical fill	Regulated medical waste Hazardous waste CFC-containing goods Tires	Permitted: 4,250 TPD (renewal pending) Available: 2,510 TPD	Mon-Sat: 24 hours	James "Jim" VanWoert	

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Business Legal Name	Location(s) of Operation	Type of Facility	Existing or Proposed Facility	Materials Accepted	Restricted Materials	Permitted & Available Capacity	Operating Hours	Contact Person Name	Phone & Email
	325 Yonkers Avenue, Yonkers, NY 10701	Transfer station	Existing	 PSW C&D debris Old corrugated cardboard Non-contaminated soil, rock and concrete 	Regulated medical waste Hazardous waste CFC-containing goods Tires	Permitted: 875 TPD (expires 11/2024) Available: 875 TPD	Mon-Fri: 6am - 2:30pm	Rafael Carrasco	516-445-8574
Waste Management of New York, LLC	864 Julia Street, Elizabeth, NJ 07201	Transfer station	Existing	NJDEP permitted waste type numbers: • 10 municipal • 13 bulky • 13c C&D • 23 vegetative waste • 25 animal and food processing waste • 27 dry industrial	 Hazardous waste Electronic waste Medical waste	Permitted: 2,200 TPD (expires 08/2023) Available: 2,200 TPD	Mon-Sat: 24 hours	Keith Higgins James "Jim" VanWoert	860-250-6707 khiggins@wm.com jvanwoer@wm.com

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Business Legal Name	Location(s) of Operation	Type of Facility	Existing or Proposed Facility	Materials Accepted	Restricted Materials	Permitted & Available Capacity	Operating Hours	Contact Person Name	Phone & Email
	640 Amboy Avenue, Elizabeth, NJ 07202	Transfer station	Existing	NJDEP permitted waste type numbers: 10 municipal 13 bulky 13c C&D 23 vegetative waste 25 animal and food processing waste 27 dry industrial	Hazardous waste Electronic waste Medical waste	Permitted: 1,000 TPD (renewal pending) Available: 1,000 TPD	Mon-Sat: 24 hours	Rafael	
Waste Management of New York, LLC	61 Broad Avenue, Fairview, NJ 07022	Transfer station	Existing	NJDEP permitted waste type numbers: 10 municipal 13 bulky 13c C&D 23 vegetative waste Class A and B recyclable materials	Non-NJDEP permitted waste types	Permitted: 1,400 TPD (Recyclables only 200 TPD); permit expires 04/2023 Available: 425-950 TPD	• Mon-Fri: 4am - 8pm • Sat: 5am - 2pm	Carrasco Keith Higgins James "Jim" VanWoert	516-445-8574 860-250-6707 khiggins@wm.com jvanwoer@wm.com
	150 St. Charles Street Newark, NJ 07105	Materials recovery facility	Existing	Single stream recyclables	All contaminated waste Special medical waste Hazardous waste	Permitted: 1,200 TPD (facility's stormwater permit expires 01/2023) Available: 1,200 TPD	Mon-Sat: 24 hours		

Acrony	ms	and	Notes

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Business Legal Name	Location(s) of Operation	Type of Facility	Existing or Proposed Facility	Materials Accepted	Restricted Materials	Permitted & Available Capacity	Operating Hours	Contact Person Name	Phone & Email
	864 Julia Street, Elizabeth, NJ 07201	Materials recovery facility	Existing	Dual stream recyclables	All contaminated waste Special medical waste Hazardous waste	Permitted: 2,200 TPD (expires 08/2023) Available: 1,000	Mon-Fri: 4am - 5:30pm		
	5201 Bleigh Avenue, Philadelphia, PA 19136	Materials recovery facility	Existing	Single and dual stream recyclables	All contaminated waste Special medical waste Hazardous waste	Permitted: 600 TPD (no permit required to operate) Available: 200 TPD	Mon-Sat: 24 hours	Rafael Carrasco	
Waste Management of New York, LLC	799 Smith Lane, Northampton, PA 18067	Materials recovery facility	Existing	Single and dual stream recyclables	All contaminated waste Special medical waste Hazardous waste	Permitted: 375 TPD (no permit required to operate) Available Capacity: 200 TPD	Mon-Sat: 24 hours	Keith Higgins James "Jim" VanWoert	516-445-8574 860-250-6707 khiggins@wm.com jvanwoer@wm.com
	221 Varick Avenue, Brooklyn, NY 11237	Organics Processing	Existing	 SSO Yard waste Liquid food waste FOG (fats, oils, and greases) 	Over 20% contaminated waste Wood Glass Rigid plastics Metal Chemicals Paint Hazardous liquid waste	Permitted: 500 TPD (renewal pending) Available Capacity: Yes*	Mon-Sat: 24 hours		

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Waste Management of New York, LLC	847 Flora Street, Elizabeth, NJ 07201	Organics Processing	Existing	 SSO Yard waste Liquid food waste FOG (fats, oils, and greases) 	Over 20% contaminated waste Wood Glass Rigid plastics Metal Chemicals Paint Hazardous liquid waste	Permitted: 500 TPD (expires 05/2024) Available Capacity: Yes*	Mon-Fri: 7am - 5pm (restricted receiving available 24 hours)	Rafael Carrasco Keith Higgins James "Jim" VanWoert	516-445-8574 860-250-6707 khiggins@wm.com jvanwoer@wm.com
Wilenta Feed, Inc.	46 Henry Street, Secaucus, NJ 07094	Feed Manufacturing Facility	Existing	Pre- & post- consumer food products (breads, dough, cakes, cookies, candies, donuts, salt, sugar, flour, pasta, tortilla, tofu, soy bean & products, coffee grounds, liquid & dry flavoring, etc.)	 Fish or meat products Glass Metals Hard plastic 	Permitted: No limitations (permits renewed annually) Available: Significant capacity available	24 hours/day, 7 days a week	Michael Wilenta	201-863-3035 mwilenta@wilenta.com

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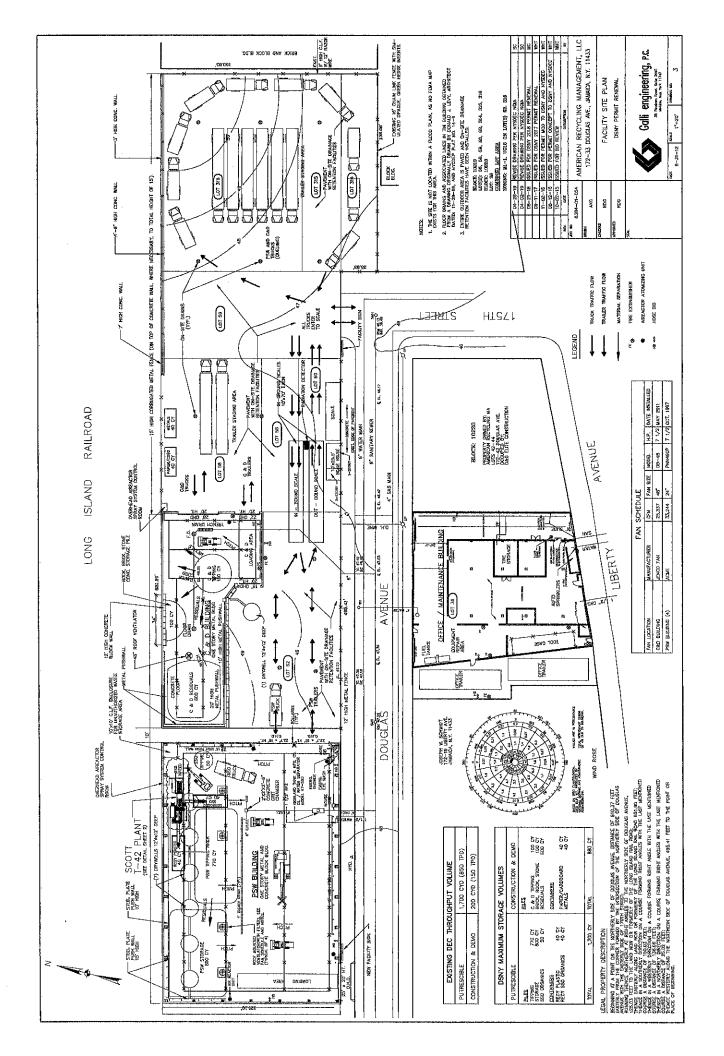
PART 2 OF THE RFP – NYC COMMERCIAL WASTE ZONES APPENDIX E RFEI RESPONSES

Response to Request for Expressed Interest (RFEI)

AMERICAN RECYCLING MANAGEMENT LLC

4.1. Facility Overview

- 4.1.1. See attached.
- **4.1.2.** Materials accepted MSW (Municipal Solid Waste) and C&D (Construction and Demolition Debris).
- **4.1.3.** Unauthorized materials include: liquid waste, hazardous waste, asbestos, and regulated medical wastes. All contaminated wastes is prohibited.
- **4.1.4.** The available capacity as of now is 720 tons combined.
- **4.1.5.** As of today, we are not operating close to our permits limits on a regular basis.
- **4.1.6.** Although we are permitted by the NYS DEC and DSNY, we are proposing rail access so that a significant amount of wastes will be heading outbound by rail. The projected timeline is 36 months.



TRANSPORTATION PLAN

September 9, 2020

American Recycling Management, LLC 172-33 Douglas Avenue Jamaica, NY 11433

Directions:

In-bound to Facility from Van Wyck Expressway:

Vehicles traveling northbound or southbound on the Van Wyck Expressway to the facility will exit at Liberty Avenue and turn right or left, respectively. Vehicles will travel approximately 1.89 miles until they reach 175th Street. Vehicles will make a left onto 175th Street and travel approximately 1 block to Douglas Avenue. Vehicles will cross over Douglas Avenue and enter the facility directly. Vehicles will report to the scale house for weighing and reporting prior to tipping in the transfer station.

In-bound to Facility from Southeastern Queens:

Vehicles traveling to the facility from southeastern Queens will travel north on Farmers Boulevard until they reach Liberty Avenue. Vehicles will make a left onto Liberty Avenue and travel approximately 1.14 miles to 175th Street. Vehicles will make a right onto 175th Street and travel approximately 1 block to Douglas Avenue. Vehicles will cross over Douglas Avenue and enter the facility directly. Vehicles will report to the scale house for weighing and reporting prior to tipping in the transfer station.

Outbound from Facility to Van Wyck Expressway:

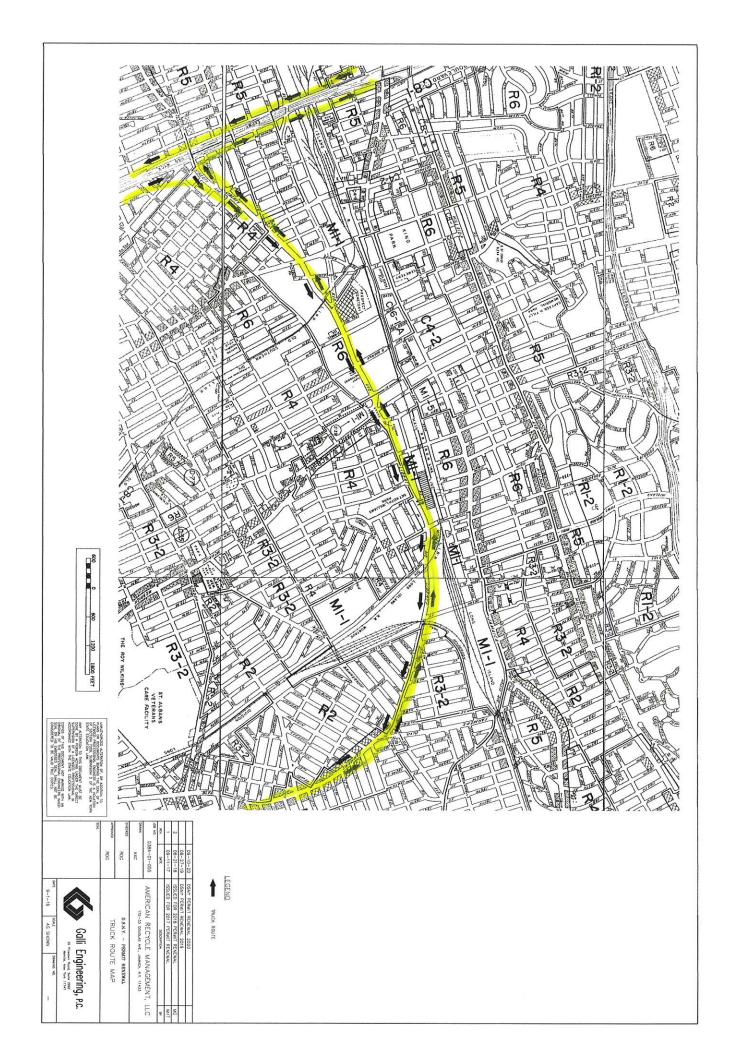
Vehicles leaving the facility for the Van Wyck Expressway will exit onto Douglas Avenue and cross directly over to 175th Street. Vehicles will travel along 175th Street for approximately 1 block until they reach Liberty Avenue. Vehicles will make a right onto Liberty Avenue and travel approximately 1.89 miles to the Van Wyck Expressway. Vehicles will enter the Van Wyck Expressway in their desired direction and will be able to connect to all major roadways in the region.

Outbound from Facility to Southeastern Queens:

Vehicles leaving the facility for southeastern Queens will exit the facility onto Douglas Avenue and cross directly over to 175th Street. Vehicles will travel along 175th Street for approximately 1 block until they reach Liberty Avenue. Vehicles will make a left onto Liberty Avenue and travel approximately 1.14 miles until they reach Farmers Boulevard. Vehicles will turn right onto Farmers Boulevard and travel to their desired locations in southeastern Queens.

Traffic control is a recognized as an area of concern for the efficient operation of a solid waste transfer station. Traffic control is largely related to waste type, and good scheduling. In order to reduce traffic potential, American Recycling Management will implement the following steps:

- All trucks inbound or outbound of the facility will be scheduled as best as is possible so as to minimize vehicular trips per hour,
- Outgoing trucks containing recyclables will be scheduled as best as is possible to depart during low peak periods.
- Schedule deliveries during off-peak periods as best is possible,
- If necessary, assign a traffic manager to assist in traffic control on Douglas Avenue, and vehicle staging on the site, so that there is no queuing on Douglas Avenue.



4.2. Operations and Processing

- **4.2.1.** The operating hours of the facility is 24 hours 6 days a week.
- **4.2.2.** There are no restrictions on how many trucks per hour the facility can handle.
- **4.2.3.** There are no restrictions on size, weight, or type of trucks the facility can handle.
- 4.2.4. See attached.
- **4.2.5.** The facility does employ innovative technologies and systems in the way of an organic-separating machine.
- **4.2.6.** With this innovative technology, we are capable of separating contaminates from all organic loads.
- **4.2.7.** We do have agreements for commodities and finished products.
- **4.2.8.** The form of transportation that we use now is 100 yard walking floors for export. In the future, we plan on exporting a majority by rail.
- **4.2.9.** There are no secondary processes done at this time.
- **4.2.10.** We are a transfer station and a large percentage of all waste goes to Seneca Meadows Landfill.

4.2.11. Our facility has contingency plans in case of an emergency. We own 16 trucks that can handle any outbound waste in case of disruption.

MATERIAL PROCESSING

Inbound waste is accepted from the five boroughs of New York City (including the Bronx, Brooklyn, Queens, Manhattan and Staten Island), and occasionally from Nassau and Suffolk Counties. All materials entering the facility (including PSW and C&D) are weighed on one of the scales. All outbound vehicles carrying PSW or C&D debris will be weighed at the facility. In general, vehicles entering the facility will weigh-in on the existing northernmost 70-foot (inbound) scale and departing vehicles will weigh-out on the existing southernmost 70-foot outbound scale. There is also a 40-foot scale located at the facility's entrance for the weighing of inbound roll-off and packer trucks if the inbound 70-foot scale is unavailable for use. The above scales are located at the facility entrance near the scale house.

All inbound materials will be appropriately logged in and out of the facility. Log entries include the date and time of receipt, the type of waste, the name of the carter, the source of the materials (for inbound loads only), the weight and scale used, the name of the scale operator and any exceptional conditions that may exist.

PSW PROCESSING

All PSW processing operations will continue to take place within the existing, enclosed building located on the western portion of the site (see "Facility Site Plan" included in the Appendix A). Packers, containers and/or compactors will pull forward onto the inbound scale for weigh-in/check-in and be directed to turn around in front of the PSW building and then back in through the overhead doors situated along the eastern wall. Facility personnel are trained to ensure that vehicles are entirely within the interior portion of the structure with the overhead doors closed prior to the tipping of materials.

Inbound PSW materials are then unloaded at the designated indoor tipping area and spread out on the floor with a front-end wheel loader. The load is then inspected by the attendant for unauthorized materials in the presence of the driver.

Unauthorized materials include liquid wastes, hazardous wastes, asbestos, regulated medical wastes, and virgin wood wastes. If small amounts of such materials are found after waste acceptance, such items are separated manually and placed in a secured

Vehicles currently entering the C&D tipping area (after weigh-in and check-in) back into the roll-up doors that are located along the eastern wall of the tin building. Facility personnel are trained to ensure that vehicles are entirely within the interior of the structure. The doors will be closed prior to tipping (for inbound C&D loads). Inbound materials will then be unloaded at the designated indoor tipping area, where they will be spread out on the floor with a front-end wheel loader. After tipping, the load will be inspected for unauthorized materials by the attendant and in the presence of the driver.

If a clean, straight C&D load consisting of clean soil, rock, brick, stone or concrete arrives at the facility, such materials will be appropriately weighed-in, checked-in and then tipped at the outdoor storage pile. However, C&D loads are usually comprised of mixed materials and are tipped indoors.

Unauthorized materials include liquid wastes, hazardous wastes, asbestos, regulated medical wastes, and virgin wood wastes. If small amounts of such materials are found in C&D materials after waste acceptance, such items are separated manually and placed in a secured area (located in the PSW building) until appropriate handling can be arranged with a licensed waste transporter and disposal facility.

Immediately after the discovery that unauthorized waste has been tipped at the facility, such waste shall be secured in the unauthorized waste storage area shown on the Facility Site Plan, Drawing 5. However, if such unauthorized waste is liquid, hazardous, friable asbestos, or otherwise cannot be safely secured in such unauthorized waste storage area, such unauthorized waste shall be secured on the tipping floor. Within 24 hours of the discovery of any unauthorized waste received at the portion of the facility that handles C&D, such waste shall either be removed from the facility or removed from the portion of the facility that handles C&D. Within 72 hours of the discovery of any unauthorized waste received at the facility, such unauthorized waste shall be removed from the subject facility by a licensed hauler, which shall transport the unauthorized waste to an appropriately permitted facility.

If the facility operator is unable to have such unauthorized waste so removed by the 72-hour deadline, the facility operator shall, within such 72-hour deadline, fax the Regional Solid Waste Engineer (DEC Engineer) a notice detailing (a) the date and time such unauthorized waste was discovered, (b) where and how such waste is secured, (c) the amount of such waste, (d) the identification of such waste (if known), (e) why such waste cannot be removed from the facility within the 72-hour deadline, and (f) when and how such waste shall be removed from the facility. If any unauthorized materials are found in the inbound load prior to tipping, the load is rejected.

Recyclable materials, including metals and incidental amounts of paper/cardboard, will be manually separated from inbound C&D loads and placed in small storage piles and then into roll-off containers (located inside the building) for off-site shipment. Upon the separation of the above recyclables, the remaining C&D residuals will be reduced in volume via the use of a front-end loader and then temporarily stockpiled. Paper/cardboard collected in containers in the C&D building will not be baled in the PSW building.

Trailers and containers transporting outbound C&D materials will back in through the overhead doors located at the southernmost portion of the C&D building. The trailer and/or container will be loaded with materials for shipment to approved landfills or disposal facilities. Vehicles will be weighed and checked-out upon leaving the facility, if required; that is vehicles removing outbound residual C&D will all be weighed and vehicles removing recyclables pulled from C&D may not all be weighed. The overhead doors of the C&D building will be closed during the loading of outbound materials.

All non-recyclable C&D materials received during each day will be processed that same day. The tipping floor is cleaned of bulk material piles at the end of each day (between the hours of 9 PM to 9:30 PM Monday through Friday and 5 PM to 5:30 PM Saturday). Furthermore, the C&D tipping floor will be washed on an as needed basis. The existing C&D processing building is more than adequate in size to accommodate the total permitted throughput capacity of 750 tons/day of C&D debris.

TIPPING AND HEAVY SORTING

After a load is tipped, the front-end loader is used to spread the load and sort out heavy materials and special items. The maximum time estimated for sorting heavy materials from the tipping pile to the designated storage area is 4-5 minutes. Materials separated at this time include:

planks or beams over 8 feet long

- anything weighing more than 50 pounds
- rolls of carpet or fencing
- lengths of cable over 25 feet

All material not separated on the tipping floor is fed to the sorting area.

Each type of material separated on the tipping floor is sent to a separate area or container for special disposal. The Facility Supervisor designates areas or containers for these items.

MIXED SMALL DEBRIS

The mixed debris processing facility uses a front-end loader and hand picking to separate reusable materials from the mixed debris that remains on the tipping floor after heavy sorting. All hand picking is done by workers who are responsible (as a group) for recognizing and separating all salvageable material.

All incoming material, which remains in the tipping area after heavy sorting, is spread out on the tipping floor for manual sorting into separate roll-offs or storage piles. This material consists of items weighing less than 50 lbs. and measuring no more than 8 feet long. The maximum time required to sort and transfer materials to the designated storage area is approximately 4-5 minutes. Separate containers and storage areas accumulate the following recyclable materials:

- Brick, rock & stone
- Crushed stone
- Metals
- Paper and Cardboard

Residual items are temporarily stockpiled prior to transport and disposal.

4.3. Siting

- **4.3.1.a.** American Recycling Management LLC 172-33 Douglas Avenue, Jamaica, NY 11433
- **4.3.1.b.** Christopher Hein is a member and owns the site which the facility is located.
- **4.3.2.** We are a existing facility

4.4. Permitting

- **4.4.1.** The facility is allowed to accepted materials described in Section 4.1. by NYS DEC and DSNY.
- **4.4.2.** NYS DEC part 3 permit number 2-6307-00108 expires on 07/10/2024. The DSNY for putrescible solid waste transfer station #22 expires on 09/19/2021. The DSNY non-putrescible transfer station #141 expires 09/19/2021. See attached.
- **4.4.3.** The anticipated changes to permit capacity will be an increase to 1,000 tons when the rail project is complete.
- **4.4.4.** Our facility is permitted, see 4.4.2.



ENVIRONMENTAL AFFAIRS PERMIT INSPECTION UNIT 125 Worth Street, Room 723 New York, New York 10013 Telephone (646) 885- 4711 Main Office Fax (212)788-3786

Date of Issuance - September 20, 2020

PUTRESCIBLE SOLID WASTE TRANSFER STATION PERMIT

Transfer Station Number: 22

Address:

American Recycling Management LLC

172-33 Douglas Avenue Jamaica, New York 11433

Block # 10219

Lot # 62

From: 09/20/2020

To: 09/19/2021

The above referenced location is to be used only for the receipt, tipping, sorting, processing, compaction, storage and transfer of putrescible and non-putrescible solid waste. Such activities shall take place within a fully enclosed structure. All putrescible solid waste shall be removed within 48 hours of its receipt. Only non-putrescible and putrescible solid waste which has been baled or loaded into a transport vehicle may be stored off the tipping area of the transfer station.

The transfer station shall be operated in conformity with all applicable federal, state and local laws, and the rules and regulations of any governmental agency having jurisdiction over these premises or the use thereof; and in accordance with any statements contained in your application.

Conditions:

- 1. The maximum amount of putrescible solid waste that may be received must not exceed 570 tons on any single day.
- 2. The maximum amount of putrescible solid waste that may be received on exempted days must not exceed 850 tons per day.

The exempted 12 days are as follows:

1. January 2nd

2. The day after the third Monday in January

3. February 13th

4. The day after the third Monday in February

5. The day after the last Monday in May



ENVIRONMENTAL AFFAIRS
PERMIT INSPECTION UNIT
125 Worth Street, Room 723
New York, New York 10013
Telephone (646) 885- 4711
Main Office Fax (212)788-3786

Date of Issuance - September 20, 2020

NON-PUTRESCIBLE SOLID WASTE TRANSFER STATION PERMIT

Transfer Station Number: 141

Address:

American Recycling Management LLC

172-33 Douglas Avenue Jamaica, New York 11433

Block # 10219

Lot # 62

From: 09/20/2020

/ To: 09/19/2021

The above referenced location is to be used only for the reception and deposition of non-putrescible solid waste. Such waste material is to be removed from the transfer station for final disposition within 48 hours.

All operations at these premises and the use thereof shall be in conformity with all applicable federal, state and local laws, and the rules and regulations of any governmental agency having jurisdiction over these premises or the use thereof; and in accordance with any statements contained in your application. This permit is further subject to the following conditions:

- 1. The permitted non-putrescible throughput quarterly average for the facility is 101 tons per day.
- 2. The maximum amount of non-putrescible solid waste that may be received must not exceed 150 tons on any single day.
- 3. The maximum amount of non-putrescible solid waste that may be received in a 78-day period (quarter year) must not exceed 7,878 tons.
- 4. The volume of non-putrescible solid waste stored must not exceed 1,000 cubic yards;
- A daily record shall be kept showing all non-putrescible solid waste received by and transferred out of the transfer station by weight and where it came from, and where it was ultimately disposed of by weight.



PERMIT

Under the Environmental Conservation Law (ECL)

Permittee and Facility Information

Permit Issued To:

AMERICAN RECYCLING MANAGEMENT

LLC

172-33 DOUGLAS AVE JAMAICA, NY 11433

(718) 239-2301

Facility:

AMERICAN RECYCLING MANAGEMENT

LLC

172-33 DOUGLAS AVE JAMAICA, NY 11433

Facility Location: in QUEENS COUNTY Village: Queens

Facility Principal Reference Point: NYTM-E: 602.62

NYTM-N: 4506.749

Latitude: 40°42'19.0" Longitude: 73°47'06.8"

Project Location: 172-33 Douglas Ave,, Jamaica, NY 11433

Authorized Activity: Operation of a solid waste transfer station and construction and demolition debris handling and recovery facility that is authorized to accept only putrescible solid waste (PSW) and construction and demolition debris (C&D). The facility may receive no more than 850 tons per day (TPD) of PSW and 150 TPD of C&D. The maximum amount of PSW allowed on-site at any one time must not exceed 1,700 cubic yards (CY). The maximum amount of C&D allowed on-site at any one time must not exceed 880 CY. The facility is authorized to operate 24 hours a day, Monday through Friday; closed at 6 PM on Saturday, closed Sunday. The tipping floor in the PSW Building will be clear of all solid waste from 9:00 PM to 9:30 PM Monday through Friday and 5:00 PM to 5:30 PM on Saturday.

Permit Authorizations

Solid Waste Management - Under Article 27, Title 7

Permit ID 2-6307-00108/00002

Renewal

Effective Date: 7/11/2019

Expiration Date: 7/10/2024

NYSDEC Approval

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, and all conditions included as part of this permit.

Permit Administrator: STEPHEN A WATTS, Regional Permit Administrator

Address:

NYSDEC Region 2 Headquarters

47-40/11st St

Long/Island Lity, NN 11101 -5401

Authorized Signature:

Date 07/11 /2019

Page 1 of 9

5. Submission Requirements

* Christopher Hein American Recycling Mgmt LLC 172-33 Douglas Avenue Jamaica N.Y. 11433 718-739-2301 718-739-0468 ch.american@yahoo.com American Recycling Mgmt. LLC 172-33 Douglas Ave Jamaica, NY, 11433

American Recycling Mgmt. LLC is a waste transfer station located 172-33 Douglas Ave, Jamaica, NY. It is our mission to reduce the carbon foot print of our community, provide economic stability for our neighborhood, and service the New York City area for generations to come. The property sits adjacent to the Long Island Rail Road main line between Jamaica Station and the Hillside Shops. American is interested in utilizing rail transportation for the purposes of moving outbound municipal solid waste, as well as construction and demolition material by rail.

American Recycling anticipates that this project would transfer 1,800 tons of waste products per day from Trucks (using the local, and regional, street and highway system) to a Waste by Rail application. The transfer of product from truck to rail would remove 92 one-way truck trips from the area and the highways and bridges connecting Long Island to the remainder of the tri-state region. This would effectively eliminate 28,704 truck trips per year, totaling 8,324,160 million miles per year.

The project involves demolition of several existing structures on site to allow for a new state of the art transfer facility, construction of that state of the art facility, grading and construction of appropriate retaining walls and construction of approximately 1,600 feet of railroad track. The new structures will be fitted with solar power as well as green houses. The retaining walls will be faced with living green walls that will provide a natural air-filtration system. The entire facility will utilize materials that lower the facility's carbon footprint. There are three key components to the transformation of this facility:

- Reliance on bailing and bagging of waste.
- An enhanced recycling protocols.
- Use of rail to transport the waste streams to end use facilities.

The bailing process will allow more densely packed material to be loaded, increasing the efficiency of the entire logistics chain. The more robust recycling component will allow more of the sorted material to be segregated and directed to recycling streams rather than being comingled in the waste stream and use of rail as opposed to truck for outbound transportation will significantly reduce truck traffic on area, regional and statewide roadways.

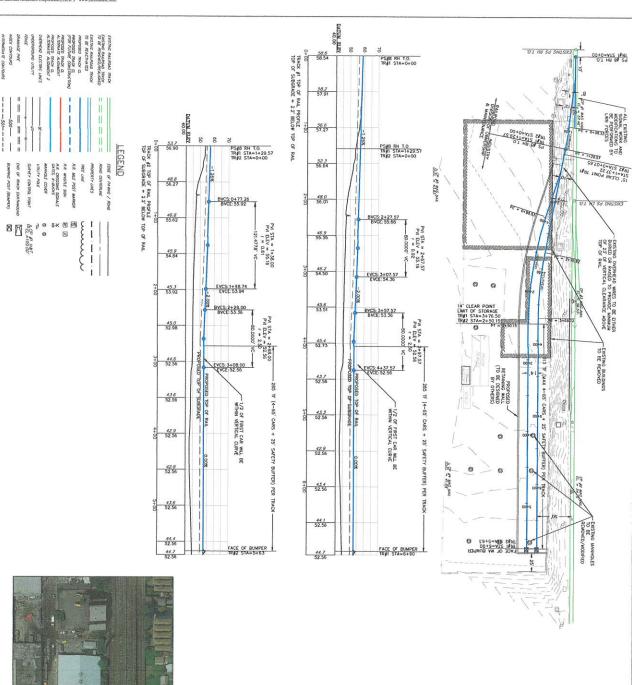
The resulting rail traffic would be incorporated into existing trains on both NYA and the connecting Class 1 railroads (CSX, NS or CPR). There would be significant public and environmental benefits realized in several critical areas:

- Reduction of 1,181,815 gallons of diesel fuel consumed annually.
- Reduced Emissions
 - o 12,098 tons less of Carbon produced annually.
 - o 75.7 tons less of NOx produced annually.
 - o 1.9 tons less of Particulate Matter produced annually.
- Reduced Highway Congestion
 - o 8,324,160 truck miles removed from New York roadways annually.
 - o An increase in Public Safety.
 - Reduced wear and tear on roadways and bridges.

Additionally, this project would allow American Recycling to institute procedures that will increase recycling on the ongoing waste stream while making the facility more efficient and protecting well-paying jobs. This includes 35 direct jobs and 400 well-paying indirect jobs related to the facility. The 35 direct jobs only contemplate the men and women directly employed by American. The four hundred indirect jobs include such skilled labor positions as truck drivers, maintenance personnel, environmental service specialists, engineering personnel and other technicians, and is exclusive of other indirect jobs such as restaurants, retail and other service providers. American Recycling has also contracted with the Center for Employment Opportunities to employ recently rehabilitated men and women with criminal convictions.

At this location there are multiple Long Island Rail Road (LIRR) main tracks as well as switching leads to the shops within the adjacent LIRR property. The right-of way is owned by the LIRR and the freight operation is managed by New York and Atlantic Railway (NYA). American Recycling has met with representatives from LIRR and NYA to discuss the feasibility of the rail movement of waste from this location, and all parties have endorsed this plan. As a result of discussions with the LIRR and NYA, American Recycling has developed conceptual plans to build approximately 1,600 feet of track on American Recycling's property (and connecting tracks on LIRR/NYA property) to support the movement of waste products by rail.

American is looking to secure certain public grants to assist in the development of this rail served facility and has already submitted a Consolidated Funding Application (CFA) to the State of New York.

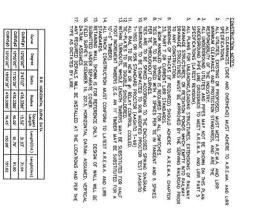




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10	12'00'00"	1170'29"	478.3386°	46.09	91.76"	91.90
4	1200'00"	.8C.60.BL	478.3366	76.45	150.98"	151.62

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	12'00'00"	90CC 824 .6C.60.BL	478.3386"	76.45	150.98"	151.62





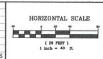




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DESIGNED / DRAWN BY: J. MARQUISS	DATE: 12/20/13		
PROJ. MOR. F. KENNEDY	DRAWING ID.: 12-0250		
PROÆCT ₽ 12-0250	94ET 1 OF 2		

TDAC
IKAL
The Railrand Associates Corporation
4910 SIMPSON FERRY ROAD
MECHANICSBURG, PA 17050
(717) 920-TRAC (8723)
www.railroadtrac.com

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#	DATE	REVISION DESCRIPTION	BY





PART 2 OF THE RFP – NYC COMMERCIAL WASTE ZONES APPENDIX E RFEI RESPONSES

Response to Request for Expressed Interest (RFEI)

BIOENERGY DEVCO



Bioenergy Devco RFEI Submission

NEW YORK CITY DEPARTMENT OF SANITATION - REQUEST FOR EXPRESSIONS OF INTEREST FOR EXISTING AND PROPOSED TRANSFER, PROCESSING, BENEFICIAL END-USEAND DISPOSAL FACILITIES RELATED TO COMMERCIAL WASTE ZONES

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5.0. Required Content Checklist		8

Introduction

Contact information, including the legal name of the Respondent, business address, name of contact, telephone, and email.

Address and physical location of Corporate Office Bioenergy Devco 50 State Circle Annapolis, MD 21401

Proposer's Contact Person

Peter Ettinger
Bioenergy Devco
50 State Circle, Annapolis, MD 21401
pettinger@bioenergydevco.com
Main Line: 443-782-3427 ext. 111

Summary of Respondent's background and experience related to waste management.

Bioenergy Devco (BDC) is a world leader in the finance, design, construction, engineering, and operation of anaerobic digestion facilities. With a 20-year track record of using precision technology to insure and guarantee performance at the more than 230 facilities it has developed and the more than 150 plants it services worldwide, BDC's utility-grade anaerobic digestion is an environmentally sound process that creates a true source of renewable, carbon-negative energy for pipeline and vehicle use.

In recycling organic material into natural gas, BDC creates circular economies in local communities, helping cities and companies achieve decarbonization, zero waste and renewable energy goals. BDC offers experience and a unique perspective on how to maximize the potential of AD at an industrial scale.

The company currently operates a 30,000 ton per year composting facility in operation in Seaford, DE with an associated anaerobic digestion (AD) facility that's scheduled to be in operation in the fourth quarter of 2021. Additionally, BDC is currently building an anaerobic digester in Jessup, MD at the Maryland Food Center Authority which will digest more then 100,000 tons per year of organic waste feedstock. The company has several industrial-scale plants in development across the country – including in the state of New York. BDC's team has extensive experience in collaborating with waste collection companies to provide separated food waste for both composting and AD.

For more information and latest project updates, please visit our website and social media channels:

Website: www.bioenergydevco.com

o LinkedIn: https://www.linkedin.com/company/bioenergydevco

Facebook: https://www.facebook.com/bioenergydevco

o Twitter: https://twitter.com/BioenergyDevCo

Youtube: https://www.youtube.com/channel/UC1jQDqOglYq2KuU5ZzLtYaQ

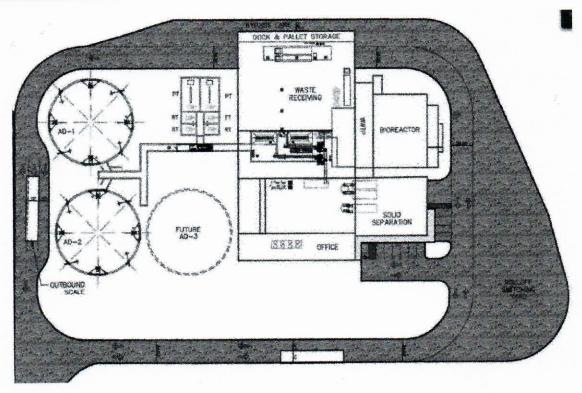
4.1. Facility Overview

1. Provide a description of the facility, including applicable drawings, plans, renderings, maps, or other illustrations.

Westchester County, NY Facility

Our proposed facility in Southern Westchester County is being designed to process 100,000 tons per year of organic waste materials and will produce renewable natural gas and a clean digestate material suitable for use as a soil amendment.

Conceptual Layout



2. What material stream(s) does the facility accept?

The facility will accept food waste, organic waste from commercial food production and packaging locations, and source separated organics from municipal solid waste. Acceptable materials include source separated organics, biodegradable food waste including fruits, vegetables, dairy, baked goods, seafood, meats, dairy, and fats, oils and greases.

3. What are the restrictions on inbound material, if any (allowable contamination, prohibited materials, delivery specifications, etc.)?

Prohibited materials: Hazardous, flammable, radioactive, or biologically dangerous waste, including human sewage or biosolid waste.

Allowable Contamination: Items will be source separated when received at the facility. Organic wastes received should contain no more than 5% contaminants.

4. What is the available capacity? What is the permitted capacity of the facility?

Our proposed facility is being designed to process 100,000 tons per year of organic waste pending final design and permit approvals.

5. Taking into account your existing commitments to carters or other generators, under normal operating conditions do you have available daily capacity, or do you operate close to permit limits on a regular basis?

The proposed facility is designed with an annual capacity 100,000 – 120,000 tons per year. We will receive an average of 362 tons per weekday and 181 tons per weekend day. We estimate a projected amount of 2,172 tons per week of organic waste.

6. For proposed facilities, what is the project timeline?

Q4 2020: Land Purchase

Q1 2022: Permitting, Remediation

Q1 2022: Construction Begins

Q1 2023: Construction Complete Q2/Q3 2023: Begin Operation

+25 Years: Operation

4.2. Operations and Processing

1. What are the operating hours of the facility?

Our typical facility is operational seven (7) days a week (Monday through Sunday) twenty-four (24) hours a day. Receiving hours will typically be 7am – 5pm Monday through Saturday with allowances made for emergency deliveries around outside hours. Delivery will occur on an as-needed basis and based around local permitting conditions.

2. Are there restrictions on how many trucks per hour the facility can handle?

Restrictions on truck traffic volume will be determined based on local ordinances and final permitting of the facility.

3. Are there restrictions on the size, weight or type of trucks the facility can handle?

Restrictions on truck size, weight or type will be determined based on local ordinances, final design and permitting of the facility.

4. Describe the equipment, machinery, process and/or technology used to handle or process waste.

The proposed anaerobic digestion facility will consist of the following major components:

- Material de-packaging equipment
- Macerator pumps
- Solid and liquid waste receiving stations
- Storage and Digester Mix/Feed Tanks
- Anaerobic Digester Tanks
- Digestate pasteurization system
- Solids Separation System
- Industrial Wastewater Pretreatment System
- Biogas Upgrading & Conditioning System
- Emergency Flare
- Odor Control Equipment
- Truck Scales

5. Does the facility employ any innovative technologies or systems?

Bioenergy Devco utilizes the latest and patented anaerobic digestion technology. The AD facilities built by Bioenergy Devco are entirely enclosed systems that use large modular tanks to process excess organics.

BDC's technology portfolio comprises a range of technology solutions which include systems for plant production, management, and control, and the pre-and-post treatments necessary for quality RNG and digestate production. The functionality of our plants is monitored through a sophisticated and patented system of automated technology and software. The biogas plant is equipped with an automation system made up of PLC (Programmable Logic Controller). The system is equipped with an interface computer, with the ability to transform the operation parameters and conditions of the plant devices in a graphic way (video interactive pages). This secure process can also be monitored on a remote basis insuring safety and performance of each plant.

- 6. If you are listing an organics processing facility—compost and anaerobic or aerobic digestors— provide a list of organic material that you do not accept for processing.
 - Prohibited materials: hazardous, flammable, radioactive, or biologically dangerous waste, including human sewage or biosolid waste.
- 7. Does the Respondent have offtake agreements for sorted commodities or finished products?

Our AD process produces two products: (1) Renewable Natural Gas (RNG) – a consistent, non-fossil fuel source of utility grade energy that can be used for heating, power production, industrial use, or as a clean burning vehicle fuel; and (2) Digestate – an organic soil amendment similar to compost but odorless, that can be used replenish nutrients in the

soils, suitable for landscaping applications, or for growing crops. Our anticipated offtake plans are outlined below:

- Renewable Natural Gas (RNG): The offtake of the RNG is still to be negotiated but there is interest from utilities and a number of natural gas marketers.
- Digestate: We have relationships with local compost facilities to provide digestate to supplement compost nutrient content, soil products will also be sold to specialty organic crop producers, nurseries, garden centers, and hardware stores.
- 8. What form of transportation or export is used for material leaving the facility?

Most if not all material transport in and out of the facility will be via trucks.

9. What secondary processors does the facility use, if any?

None.

10. If your facility is a transfer station, what disposal facilities have you used in the past (please separate by material type – refuse, recyclables, and organics.

N/A

11. Does the facility have continency plans in case of emergency or disruption?

As mentioned above, our facilities are designed to operate 24/7/365. BDC technology systems and facility design takes measures to avoid process shutdowns, and have measures built in to handle possible disruption. In the event of a total loss of power short-term or long-term, the process defaults through controls running on uninterruptible power to a safe condition. An emergency engine generator provides back up power for critical loads that may be required in the event of an extended outage. Outages are not expected to last for more than an hour. The system is designed such that a power outage of several hours will not adversely impact operations nor the safety of personnel, environment, or other equipment. Safe shutdown procedures are automatically controlled if temporary shutdown ever become necessary.

4.3. Siting

- 1. For proposed facilities:
 - a. Are there one or more sites currently under consideration? Where?

There is one facility in Southern Westchester.

b. Does the Respondent currently control, through lease or ownership, any of the proposed sites?

Yes.

c. Is the Respondent seeking additional potential sites for the proposed facility?

No, however, other locations in the New York City metro area are under consideration.

d. What stage of the process are you in: site selection and control; regulatory approvals; seeking financing; seeking construction permits; under construction; testing facility equipment and operations; currently operating at partial or full operating capacity. See more detailed questions below for each stage of development.

BDC currently owns the site and is seeking regulatory approvals.

e. What type of state and local authorization would the facility necessitate and what is the timeline and status of obtaining those approvals?

BDC is currently seeking regulatory approvals on a state and local basis. These include, but are not limited to: air, wastewater, and overall recycling requirements.

f. What are the site criteria for the proposed facility (zoning requirements, proximity to other uses, size, access to rail/navigable waterways, height minimums, etc.)?

Site selection was based on proximity to organics waste supplies, the need for landfill diversion, proximity to natural gas pipeline interconnection, industrial use zoning, highway access for transport/delivery and organic materials.

g. Has the respondent conducted any community or public engagement regarding the proposed facility?

Discussions with local jurisdictions have been initiated to develop a plan for community public engagement.

4.4. Permitting

1. Is the facility permitted to accept the materials described in section 4.1 by all applicable federal, state and local authorities?

Regulatory approvals are underway.

2. When do the current applicable permits expire?

N/A

3. Are there any anticipated changes to permitted capacity or other permit conditions?

N/A

4. For facilities that are not yet permitted, what steps are necessary to receive such permits?

BDC is in the process of seeking all regulatory approvals.

4.5. Financing

1. For proposed facilities or modified facilities, what is the current status of financing? Is the developer seeking financing partners?

Equity and development costs will be secured via long-term contracts for waste disposal and gas production that would help finance the project. We have a Private Equity partner – Newlight Partners, who is willing to put equity to work on our projects. We recently received funding from them in the amount of \$106 Million to develop anaerobic digestion facilities across North America. The article can be found here: https://www.waste360.com/anaerobic-digestion/bioenergy-devco-newlight-partners-invests-106m-ad-growth.

2. Is financing contingent on achieving minimum throughput commitments? If so, what is the minimum throughput for financial viability?

No.

3. What is the current or projected tip fee at the facility? Is the tip fee contingent on market conditions or other factors?

Tip fee is negotiated based on the quality and quantity of feedstock. Haulers are welcome to contact Bioenergy Devco to discuss opportunities for partnership, including but not limited to hauler's waste management plan to meet the sustainability goals of the program.

4. Is the respondent willing to enter into agreements to accept material from CWZ awardees? If so, are there any restrictions on the terms of those agreements?

Yes, however, current feedstock has already been identified locally.

5.0. Required Content Checklist

This submission includes:

Contact information, including the legal name of the Respondent, business address, name of contact, telephone, and email.

A summary of Respondent's background and experience related to waste management. Conceptual site plan and layout of the proposed facility

Returned signed affirmation page, provided at the end of this document, attesting to the truthfulness of all claims made in the response.

PART 2 OF THE RFP – NYC COMMERCIAL WASTE ZONES APPENDIX E RFEI RESPONSES

Response to Request for Expressed Interest (RFEI)

COGENT WASTE SOLUTIONS LLC

4.1. COGENT WASTE SOLUTIONS, LLC

COMMERCIAL WASTE ZONE IMPLEMENTATION REQUEST FOR EXPRESSIONS OF INTEREST FOR EXISTING AND PROPOSED TRANSFER, PROCESSING, BENEFICIAL END USE AND DISPOSAL FACILITIES

Cogent Waste Solutions, LLC (hereinafter "Cogent") is a BIC licensed solid waste and recyclables collection company. The principals of Cogent are Anthony Tristani and Nino Tristani, who collectively bring more than 25 years of experience to collection and processing of solid waste, recyclables and source-separated organic waste.

The solid waste management facilities referenced in this response to the RFEI are all commonly owned or soon to be acquired by Anthony and Nino Tristani, as is the real property upon which each of these facilities are located. The principals of Cogent through a newly formed LLC are presently under contract for the purchase of a barge-capable facility located on Staten Island.

Cogent reasonably anticipates incorporating the following facilities into its proposal to provide service to multiple commercial waste zones.

1. Cogent Transfer, LLC

A. Location: 105-115 Thames Street Brooklyn NY 11237

B. Permitted Capacity

NYSDEC: 560 TPD MSW and/or SSOW
 DSNY: 224 TPD MSW; 112 TPD SSOW

2. Cogent NY Recycling, LLC

A. Location: 5835 47th Street Maspeth, NY 11433

B. NYSDEC Registered Recyclables Handling and Recovery Facility

Average Throughput:

- 1) 75 TPD corrugated cardboard
- 2) 75 TPD newsprint / mixed paper
- 3) 75 TPD plastics

3. Staten Island C&D, LLC

This facility presently is permitted by DSNY and DEC as a C&D processing facility and additionally by the DEC as a navigational dredge material processing/transfer facility. The facility includes an active and permitted bulkhead providing capability for environmentally sustainable barge transport.

Cogent will propose the use of this facility to trans-load containerized MSW from truck-to-barge for trans-shipment directly to disposal locations and/or to barge served railheads for trans-loading and transport by rail to disposal sites.

As mentioned previously this facility is presently under contract for acquisition.

Respectfully Submitted

Cogent Waste Solutions, LLC 860 Humboldt St. Brooklyn, NY 11222 718 349-7555 atristani@cogentwaste.com ntristani@cogentwaste.com lschillinger@msn.com

PART 2 OF THE RFP – NYC COMMERCIAL WASTE ZONES APPENDIX E RFEI RESPONSES

Response to Request for Expressed Interest (RFEI)

COOPER RECYCLING



Response to:

New York City Department of Sanitation

Request for Expressions of Interest

For Existing and Proposed Transfer, Processing, Beneficial End-Use and Disposal Facilities Related to Commercial Waste Zones

Response prepared and submitted by:

Naomi Cooper President Cooper Recycling 123 Varick Avenue, Brooklyn, NY 11237 (718) 497-4431 ncooper@coopertank.com The following information is provided by Cooper Recycling in response to the New York City Department of Sanitation Request for Expressions of Interest for Existing and Proposed Transfer, Processing, Beneficial End-Use and Disposal Facilities Related to Commercial Waste Zones

Cooper Recycling - Facility Overview

Cooper Recycling is located in the Industrial Business Zone in East Williamsburg, Brooklyn, and is permitted to process 5,249 tons of non-putrescible construction and demolition debris per day. Cooper Recycling has served the NYC construction industry since 1986, and is a certified MWBE.

Cooper's newest facility, located at 123 Varick Avenue, Brooklyn, NY is situated on over 5 acres and has ample room to queue trucks onsite and safely and efficiently maneuver and unload vehicles. Cooper has 4 scales total, 2 dedicated for inbound and 2 dedicated for outbound trucks, considerably expediting unloading times. Truck weights are recorded automatically.

All materials are processed through an extensive sorting system that is comprised of over one mile of conveyor belts and state-of-the-art processing equipment to maximize the recovery of recyclables. Cooper prides itself on maximizing material recovery safely and efficiently, and boasts a recycling rate of approximately 75%.

Commercial recyclables (MGPP) can easily be processed on existing equipment alongside materials from construction and demolition debris. Glass, which can traditionally be a difficult material to process, will be easily handled by several screens, destoners, and optical sorters. Additionally, Cooper has a dedicated line for the processing and recycling of paper and plastic, which includes four dedicated optical sorters. The facility is also equipped with a series of magnets and eddy currents for ferrous and non-ferrous metal recovery.

Cooper is also uniquely situated with rail access and can transport landfill-bound or recyclable material via rail.

Maps, drawings and other plans can be made available upon request.

Material Streams

Under the existing construction & demolition debris permit the following materials are strictly prohibited: Hazardous waste, radioactive waste, liquid waste, E-Waste, infectious waste, regulated medical waste, asbestos, petroleum contaminated soil, historic fill, tires, putrescible waste.

Permitted Capacity

Cooper is permitted to accept 5,249 tons per day.

Given current commitments to carters, and under normal operating conditions, Cooper has an available capacity of over 1,000 tons per day.

Project Timeline

Cooper Recycling is already permitted and operational, however a new recycling registration or permit modification could be required depending on future incoming volumes of commercial recyclables. The anticipated timeline for registration or permit modification is one year. Cooper's existing facility is already equipped with the necessary infrastructure to process commercial recyclables.

Operations and Processing

Operating Hours:

The facility is open to accept, process, and transfer/export material 24 hours per day starting on Monday morning at 12:01 am, and remains open 24 hours a day, until Saturday at 3pm.

Are there restrictions on how many trucks per hour the facility can handle? Are there restrictions on the size, weight or type of trucks the facility can handle?

There are no restrictions on the number of trucks per hour the facility can handle. There are no restrictions on the size, weight, or type of truck that the facility can handle.

Describe the equipment, machinery, process and/or technology used to handle or process waste.

The facility was engineered and commissioned in 2016 and is equipped with state-of-the-art recycling machinery. This includes but is not limited to multiple vibratory screens, conveyor belts, shredders, ballistic density separators, magnets, eddy currents, and optical sortation machines.

Cooper is well positioned to expand its material stream to include commercial recyclables (metal, glass, paper, plastic). Among other materials, the existing equipment is specifically designed for tile, rock, brick, ferrous and non-ferrous metals, plastics and paper. Glass, which can traditionally be a difficult material to process, can be handled by several screens and ballistic density separators. Additionally, Cooper has a dedicated line with optical sorting machines for the processing and recycling of paper and plastic

Additional information about processing capabilities and handling procedures can be answered on request.

Does the Respondent have offtake agreements for sorted commodities or finished products?

Yes, Cooper does have offtake agreements for sorted commodities and finished products.

What form of transportation or export is used for material leaving the facility?

Cooper relies on both trucks and rail for transport of material leaving the facility.

What secondary processors does the facility use, if any?

Cooper uses a variety of secondary processors based on the material type and quality leaving the facility.

Does the facility have contingency plans in case of emergency or disruption?

Yes, as per existing DEC and DOS permits Cooper has comprehensive plans in the event of an emergency or disruption.

Siting

Facility location & ownership:

Cooper Recycling, including the facility site located at 123 Varick Avenue, Brooklyn, NY 11237 is wholly owned and controlled by Cooper Recycling.

Permitting

Permit:

Cooper Recycling is permitted by the New York State Dept. of Environmental Conservation and the New York City Dept. of Sanitation to accept non-putrescible construction and demolition debris.

- NYSDEC Permit # 2-6104-00013/00003, Expires April 29, 2025
- NYCDOS Permit # 139, Expires June 25, 2021

Are there any anticipated changes to permitted capacity or other permit conditions?

In order to accept commercial recyclables, Cooper may have to either modify its existing permit to accept commercial recyclables along with C&D debris, or apply for a separate facility registration. This will require an application and coordination with NYSDEC and NYCDOS.

Financing

For proposed facilities or modified facilities, what is the current status of financing? Is the developer seeking financing partners?

Not at this time.

Is financing contingent on achieving minimum throughput commitments? If so, what is the minimum throughput for financial viability?

Not at this time

What is the current or projected tip fee at the facility? Is the tip fee contingent on market conditions or other factors?

The tipping fee at the facility will likely depend on market conditions and several factors that are to be determined.

Is the respondent willing to enter into agreements to accept material from CWZ awardees? If so, are there any restrictions on the terms of those agreements?

Cooper Recycling is interested in entering into agreements with CWZ awardees. The terms of those agreements would be fully determined at a later date.

Respondent information:

Contact Information:

Cooper Recycling LLC 123 Varick Avenue, Brooklyn, NY 11237

Phone: (718) 497 – 4431

Email: ncooper@coopertank.com Contact name: Naomi Cooper

Background Information:

Cooper Recycling has been operating one of the largest construction and demolition debris transfer stations in Brooklyn since 1986. For over 30 years, Cooper operated its transfer station at 222 Maspeth Avenue, Brooklyn. In 2017, after years of engineering, installation and commissioning of new recycling equipment, operations were relocated to a new facility at 123 Varick Avenue, Brooklyn. The new equipment was designed to maximize recoverable materials from the waste stream, with a special line dedicated to recycling metal, paper, and plastic through the use of four dedicated optical sorting machines. Currently Cooper recovers over 75% of material to beneficial end uses.

Cooper Recycling is a privately held business and is a certified MWBE. Cooper has been a proud leader in the environmental movement for over thirty years, and constantly seeking to improve operations through new recycling technology and innovation.

Naomi Cooper, President of Cooper Recycling, has been with the company since 2014. Naomi oversaw the installation and commissioning of new recycling equipment at Varick Avenue and the transition from the facility from Maspeth Avenue to Varick Avenue. Since that transition, Cooper has been able to increase its average daily throughput by 25%. Prior to working at Cooper Recycling, Naomi managed special projects related to instrauture and industrial development for NYC at NYCEDC.

Ray Kvedaras has been managing recycling operations for Cooper Recycling for over 30 years. Ray joined Cooper Recycling when it was first starting to process materials in the 1980's. In 1989 Ray was officially named General Manager for Cooper and assumed responsibility for running Cooper's transfer station, and has since been the driving force behind its development and success. Ray has played a critical role in designing and constructing Cooper's state-of-the-art C&D recycling facility, which today is the largest and most technologically advanced of its kind. Ray continues to manage Cooper Recycling, and over the last 3 decades Ray has earned a reputation within the industry as a leading operator who arrives to work every day with a passion to perform at the highest level, and as a role model for his commitment to his employees, safety and all things recycling.

PART 2 OF THE RFP – NYC COMMERCIAL WASTE ZONES APPENDIX E RFEI RESPONSES

Response to Request for Expressed Interest (RFEI)

DENALI WATER SOLUTIONS LLC

Expression of Interest Submitted by:



3308 Bernice Avenue Russellville, Arkansas 72802 P: (479) 498-0500

CWZ Disposal RFEI Final Submission:

For Existing and Proposed Transfer, Processing, Beneficial End-Use and Disposal Facilities Related to Commercial Waste Zones

Submitted to:

New York City Department of Sanitation (DSNY) Email: RFEI@dsny.nyc.gov

Submitted by email

Due Date:

March 4, 2021 at 4:00 pm EDT



March 4, 2021

Submitted via Email
New York City Department of Sanitation (DSNY)
Email: RFEI@dsny.nyc.gov

RE: CWZ Disposal RFEI Final Submission For Existing and Proposed Transfer, Processing, Beneficial End-Use and Disposal Facilities Related to Commercial Waste Zones

To Whom It May Concern,

Denali Water Solutions LLC ("Denali" or "Denali Water") is the respondent to the *Request for Expressions of Interest (RFEI) for Existing and Proposed Transfer, Processing, Beneficial End-Use and Disposal Facilities Related to Commercial Waste Zones.* At Denali, our goal is to continuously exceed our Customers' expectations by providing residuals management services at the highest industry standards, driven by our team of seasoned residuals management professionals, our readily available assets, and our outstanding environmental and safety record.

The core of our approach presented in this RFEI response is to exceed DSNY's expectations as a valued team member through our unparalleled experience in managing and operating beneficial reuse and disposal facility projects. Denali has consistently checked all the boxes when it comes to operations, maintenance, and regulatory aspects. Our experience includes the development and/or contract operations, maintenance of biosolids, yardwaste and foodwaste processing facilities, incorporating technologies for composting, alkaline stabilization, mechanical drying, anerobic digestion with Thermal Hydrolysis Process (THP), food waste separation technologies and gasification. Denali is an industry leader in the conversion and manufacturing of value added recycled organic products such as compost, fertilizer and soil amendments and has developed an extensive network of customers in the agricultural, horticultural, turf and soil industries.

The company prides itself in putting the customers' needs, the environment and safety first. This philosophy has been a primary driver for Denali's success as an environmental services company, and it is the reason Denali will continue to be the premier choice for responsive and ethical residuals management services for public, private and industrial customers across the United States.

Your main contacts for this engagement are:

Dan Lynch, Vice President of Organics Recycling 250-B Lucius Gordon Drive, Suite 8 West Henrietta, NY 14586

Phone: (585) 314-5098

Email: dan.lynch@denaliwater.com

Jeffrey J. LeBlanc, President 250-B Lucius Gordon Drive, Suite 8 West Henrietta, NY 14586

Phone: (315) 374-8645

Email: jeffrey.leblanc@denaliwater.com

I would like to thank you for the opportunity to submit our Expression of Interest to DSNY and for reviewing the contents of our submittal. We look forward to the next steps.

Very thuly yours,

Jeffréy J. LeBlanc

President



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EXECUTIVE SUMMARY

INTRODUCTION

Denali Water Solutions LLC ("Denali") is the respondent to the New York City Department of Sanitation (DSNY) Request for Expressions of for Existing and Proposed Transfer, Processing, Beneficial End-Use and Disposal Facilities Related to Commercial Waste Zones. Denali is an industry leader in the development, operations and management of organics conversion facilities throughout the United States.

Denali will strive to exceed DSNY's expectations as a valued team member providing our perspectives and insight on technologies, project structure, and public and private partnerships on the alternatives to be evaluated by DSNY. The Denali team approach provides the opportunity for DSNY to engage trusted organic waste managers throughout the term of the project.

Denali has been in the business of providing residuals management services for the last 25 years, and, among its senior leadership ranks, it employs several experts who have been in the organics and biosolids management industries since the 1980s. The company prides itself in putting the customer's needs, the environment and safety first. This philosophy has been a primary driver for Denali success as an environmental services company, and it is the reason



Denali will continue to be the premier choice for responsive and ethical residuals management services for public, private, and industrial customers across the United States.

CONTACT INFORMATION

Respondent	Main Contact	Secondary Contact
Denali Water Solutions LLC	Dan Lynch	Jeffrey J. LeBlanc
3308 Bernice Ave	Vice President of Organics Recycling	President
Russellville, Arkansas 72802	Phone: (585) 314-5098	Phone: (315) 374-8645
Phone: 479-498-0500	dan.lynch@denaliwater.com	jeffrey.leblanc@denaliwater.com
www.denaliwater.com		



CONCLUSION

Denali is pleased to provide its Expression of Interest to provide its organics waste management approach to DSNY with the primary objectives to increase the recycling rate within DSNY and region. Denali's organics processing and management experience, along with our technology partners' history and experience, clearly demonstrates our strength and ability to deliver this project set by DSNY.

Denali has the verifiable experience and resources to make the benefits of the proposed project a reality.



Denali would like to thank DSNY and its Staff and Consultants for providing Denali an opportunity to submit this Expression of Interest and the time spent reviewing its contents. Again, we would like to thank DSNY for its long-term commitment to the composting industry.

COMPANY BACKGROUND AND EXPERIENCE

COMPANY DESCRIPTION

Denali has been in the business of providing residuals management services for the last 22 years and employs over 1000 dedicated environmental professionals, a number of whom have been in the residuals management industry since the 1980s. The Company prides itself in putting the customers' needs, the environment, and safety first. This philosophy has been a primary driver for Denali's success as an environmental service company, and it is the reason Denali will continue to be the premier choice for responsive and ethical residuals management services for public, private, and industrial customers across the US.

Denali is a national organics recycling company that specializes in the conservation of organic waste through land application and conversion technologies such as composting, mechanical drying and anaerobic digestion processes. Denali is the second largest manager of municipal organics in the United States. Denali provides for biosolids, yard waste, food waste, organics and residual waste management solutions as well as a variety of goods and services to the municipal, agricultural and environmental industry. Services include contract operations of municipal organics processing facilities, merchant processing of municipal waste, contract management of biosolids and organic waste, technology supply and project development, land application and distribution, marketing and beneficial use of recycled compost, mulch and soil amendments. The company additionally provides dredging, mobile dewatering, outsourced dewatering, geo-textile tube dewatering, lagoon and digester cleanout services.



HISTORY

In many states, Denali was an early pioneer in land application permitting process and has led the industry with safe, responsible management of organic residuals. The Company takes pride in its work and its relationships with customers and with officials in regulatory agencies across the US. The goal of Denali is to continue to grow and evolve with this ever-changing industry.

Denali Water Solutions was originally founded as Terra Renewal in 1995. The original focus of the company was the handling and disposal of wastewater residuals from industrial plants via land application for beneficial use as a fertilizer. The focus of the business quickly expanded to include municipal biosolids, spent fryer oil and grease, and handling of spent gas and oil exploration and production fluids. At its peak, it was one of the largest waste companies in the United States with operations in greater than 20 states and was land applying greater than one billion gallons of wastewater residuals on over 225,000 acres of farm fields. Ultimately, the company divested of its oil & gas business and its rendering business (i.e. spent fats and greases). As a result of these divestitures, the name of the company was changed to Denali Water Solutions.



In 2016, WeCare Organics, LLC merged its assets with Denali to lead the development, operations, product marketing and management of organics conversion facilities throughout the United States. Denali recognized and sought out WeCare Organics due its success in Class A biosolids management services and long-term public/private relationships. The combined company's mission is to promote and expand Class A biosolids management and organics recovery, conversion and recycling through composting and other developing technologies. WeCare will continue to grow upon its beneficial use products under the WeCare Organics brands, such as WeCare Compost[®], WeCare Engineered Soils™ and WeCare Roofmix™.

A recent article in Waste Today magazine, highlights Denali' growth plans and strategic acquisitions. (https://www.wastetodaymagazine.com/article/denali-water-solutions-acquires-organix-recycling/). Today, with the recent merger with Organix Recycling LLC, Denali is the largest sustainability-focused food waste and organic residuals management company in the United States and maintains regional offices in West Henrietta and Hillburn, New York, and within the States of Arkansas, Alabama, Arizona, California, Delaware, Maryland, Michigan, New Jersey, Ohio and Texas.

STAFFING

Denali is pleased to employ over 1000 industry-leading experts in food waste recycling and biosolids management. From general laborers to operators to general managers, Denali recruits, hires and trains only the best of the best. It would be Denali's intent to hire qualified, experienced staff from the local community.



We have above average expectations of our employees, and they deliver. Just ask our customers. Our employees are guests at our customers' facilities, and we expect them to provide first-class service, response, and professional conduct at all times.

Our guiding principles are simple:

- Deliver superior service
- Be environmentally reliable and compliant
- Be the best value for our customers

Denali attracts industry-leading experts and hires because of our competitive compensation packages, bonus eligibility, company-sponsored benefits and paid time off. Most importantly, our leadership team is committed to providing exceptional training, development, opportunity and direction to our employees. We believe that this is why Denali is the employer of choice in food waste recycling and biosolids management. Denali is an Equal Opportunity Employer.

OPERATIONS

Denali provides operations, maintenance services and product distribution services for biosolids, yard waste, food waste and industrial organics processing facilities. Facilities are operated and maintained in accordance with good management practices and all state and federal laws and regulations. All process control, routine preventative and corrective maintenance, sampling and analysis, product marketing, reporting and record keeping, and housekeeping are provided as needed to meet the conditions of the operating contract, permits and other regulatory requirements.

Technical support is provided by Denali's corporate office, in cooperation with key equipment vendors, to ensure that the managers, electricians, maintenance personnel and operators are properly trained in their perspective duties including: equipment operation and maintenance, chemical and materials handling, safe work practices, use of personal protective equipment, use of air monitoring equipment, etc. It is mandatory that all employees undergo extensive training for operational and safety procedures.

MAINTENANCE

Denali provides for the maintenance of organics processing facilities. Denali understands that even the most automated and straightforward systems demand regular monitoring and maintenance. The most important factor in determining the service life and reliability of plant equipment and structures is an effective maintenance program. Preventative maintenance will be carried out to minimize unscheduled downtime. The Process Equipment Maintenance Plan will be developed for the organics processing facility. The plan will describe the major tasks that should be performed on all process equipment. Maintenance schedules, along with detailed Vendor Operations and Maintenance (O&M) Manuals, for each major piece of equipment are provided and maintained in the contractor's office at all times.



The Process Equipment Maintenance Outline, together with schedules, will be used as the basis for the Preventative Maintenance Program. The detailed O&M manuals and any literature supplied by the manufacturer will be referred to before performing any maintenance on a piece of equipment in order to preserve vendor warrantees and guarantees. Sufficient spare parts, lubricants, and other supplies necessary for routine repairs and maintenance should be stocked at the plant.

SAFETY

Denali instills a strong team commitment to safety for all aspects of the facility operations and services provided. Denali's philosophy is that safety must be planned into a project and not be an afterthought. Denali's philosophy of "Safety First" will be emphasized throughout the entire Denali Team.

Denali's safety culture is based on a 24/7 safety philosophy. This philosophy is such an engrained value within the Denali culture that doing things safely becomes second nature. When the Denali Team adopts this culture, no thought is given to shortcutting or bypassing safety procedures. This culture will be evident in all phases of the project.

Site safety planning provides processes, tools and information used regularly by project personnel, which has consistently improved safety performance. Denali will integrate safety into all our work plans and work processes. Safety planning is not done separately from production, scheduling and quality planning. It is a vital part of successful project execution.

Our project team will have access to safety training videos, inspection/work forms, Operational Hazard Analyses, MSDS sheets, links to other resources and safety concerns written by the Denali team members about lessons learned on our projects and within the industry.

Denali's Safety Plan for the project will be developed using safety procedures and guidelines from our Safety Manual, which will incorporate all manufactures safety requirements. We will train the entire Denali Team to follow the Safety Plan. The safety processes are designed to keep all employees safe and are developed and owned by the project managers in conjunction with employees at all levels of our organization.

PUBLIC OUTREACH

Denali will start a public outreach program from the onset of development, through the startup and operations of the facilities. Denali may organize a Public Relations (PR) team including members of local community leadership, media, schools, regulatory agencies, and product stakeholders. Internal staff as well as subcontracted consultants will be utilized to formulate the message, determine the appropriate media channel and execute the plan.





There may be a need to have public outreach meetings, with residents of the homes near the site invited by individual, specific letters early in the process. There may be opposition (or concerns) for the project that will require repeated public forums in order to allow the project to move forward on solid ground. Denali plans to work with DSNY to develop a plan for these meetings as a first step in the design process.

Public interaction through facility tours, regulatory meetings at the site, presentation of papers at industry organization meetings, public speaking at local venues, and progress reports to the Client will help to keep the community aware of the facility. A single point of contact will be developed and identified to the public. The project manager or facility manager will be available for easy community access for questions about perceived nuisance issues including odor, noise, truck traffic or other potential facility items. A program to log these concerns, share them immediately with the Client so that there are no surprises, and resolve them on a timely basis will be developed with DSNY and community involvement during the start-up phase.



THE DENALI TEAM

We believe that we are only as good as our team. Denali has been led by Andy McNeill since 2002 and has a seasoned team of industry veterans and has had limited turnover in its management team for many years. This is because we foster a culture that makes people proud to say they work at Denali because of how it treats its employees, customers, and the community.

The Denali leadership team has a combined 150+ years of experience in the biosolids and residuals transportation and management industry. Whether it's a treatment facility producing as little as 300 tons per year or 150,000 tons per year, our experienced, friendly, and knowledgeable staff has provided years of success and satisfaction for our clients.

CHIEF EXECUTIVE OFFICER - ANDY MCNEILL



With over 15 years of industry experience Andy has led as CEO since 2002. Andy graduated from Auburn University with a BS in accounting and holds an MBA from the University of Notre Dame. Andy frequently speaks on topics associated with the company, including land application and beneficial reuse, and serves on various boards.

PRESIDENT, NORTH AMERICA - JEFFREY J. LEBLANC



Jeff joined Denali Water Solutions LLC, as its President, when it acquired the key assets of WeCare Organics, LLC in 2016. Jeff is responsible for overseeing all aspects of sales, marketing and business development, as well as environmental and regulatory compliance. Mr. LeBlanc has played a key role in Denali's growth, as the industry leader in recycling of waste and residuals, and as a frequent guest speaker at industry conferences and seminars.

Jeff is focused on Denali's strategy as a full-service residual management company commissioned to bridge the gap between the farmer and the environmental community via the operations, management and distribution of residual based products, such as WeCare Compost®. In addition, Jeff has led the Company's vision to be the "landfill-alternative" and has steered the Company's advancement in managing source separated organics, such as green waste, food waste, food processing waste and biosolids.

Prior to WeCare Organics, LLC, Jeff had the responsibility of managing a \$13,000,000 region servicing over 35 customers in the water and wastewater industry for Waste Stream Environmental, Inc. (WSE). As the General Manager, he had direct accountability for the profit/loss of the New England Division of WSE.



CHIEF OPERATIONS OFFICER - KEVIN DUNLAP



Kevin is an experienced executive and leader in the water, wastewater, and environmental services industries with a demonstrated history of success. Kevin serves as Chief Operations Officer at Denali, and was previously CEO of Orège North America Inc. He has spent his entire 25-year career in various sales, operations, management, and executive leadership roles, including positions with American Water/EMC, US Filter, ITT Industries, Waterlink, and BCR Environmental. He has spent the past 15 years in

management and executive level positions. Kevin has led municipal and industrial sales efforts in North America that have focused on both water and wastewater treatment equipment and services. He has also been responsible for profit and loss, and overseeing the day-to-day operations in several roles. He has focused the majority of his career on complex transactions involving capital sales of \$250,000 or more and long-term service agreements of 3 years or more. Kevin has a bachelor's degree in Environmental Studies from Baylor University.

SENIOR VICE PRESIDENT GENERAL MANAGER, FACILITIES - BRIAN FLEURY



Brian joined Denali Water Solutions LLC, as a Senior Vice President, when it acquired the key assets of WeCare Organics, LLC in 2016. He is the General Manager of the Facilities Group where he oversees all (20+) WeCare Denali company-owned and municipally contracted composting operations. Brian has over 20 years of experience in the residual management business and is an expert in compost and compost manufacturing. Mr. Fleury was one of the first in the United States to receive a certification through the United

States Composting Council as a Certified Compost Operations Manager (CCOM™). In addition, Brian is the current (2021) President of the Board of Directors at the USCC.

Brian manages all aspects of operations for the Facilities Group; including but not limited to project development, project scheduling, management of personnel, client communications, budgeting, capital planning, recruitment and qualification of subcontractors, construction, payment submittals, safety program compliance and works closely with the Product Marketing Division to assist with the marketing of WeCare Compost™, Mulch & Soils.

Brian has been the Project Manager for the New York City Department of Sanitation Composting Contract since 2007.



VICE PRESIDENT, ORGANICS RECYCLING - DAN LUNCH



Dan's experience in the waste industry dates back to 1990 when he began with Waste Management in Rochester, New York. Over the next 30 years, he served many roles, including Sales Executive at Siemens where he crafted high-level efficiency projects for schools, hospitals and municipalities. His performance in exponential sales growth at Siemens was outstanding, earning him top salesman of the year awards for five straight years. Dan learned many skilled crafts from his dad and others along the way. He has electrical, mechanical and carpentry skills and has built 3 of his own houses.

Dan joined Denali Water in 2018. He is currently a member of many associations, including the New Jersey Food Processors Association and Solid Waste Association of North America. Dan also has an entrepreneurial spirit and enjoys talking about his experience as co-founder of Iron Smoke Whiskey, craft bourbon in upstate New York State.

ASSISTANT PROJECT MANAGER - MIGUEL NAVA



Miguel Nava is the Assistant Project Manager for Denali. His focus is on safety programs and procedures, risk assessment, and compliance. Miguel has 6 years of experience with Denali and has several years of experience working with New York City Department of Sanitation at the various compost sites throughout New York City. He holds a bachelor's in Agriculture Business from the Arkansas Tech University.

VICE PRESIDENT, HUMAN RESOURCES - LINDSEY HILL



Lindsey joined Terra Renewal Services in August 2009. She has held several positions with TRS and Denali Water Solutions, including the most recent position of Vice President, Human Resources. Lindsey attended the University of Central Arkansas and is a graduate of the Institute for Organization Management. Prior to joining Terra, Lindsey served as Vice President of the Russellville and Morrilton, AR Chambers of Commerce and held the certification of Professional Community and Economic Developer.

BUSINESS DEVELOPMENT - EMMA YATES, CCP



Emma is responsible for marketing and selling compost and soil products in the New York City region. For the past four years with Denali, she has focused on cultivating and maintaining relationships with customers while managing projects through to completion. Denali's product marketing division is responsible for bringing hundreds of thousands of cubic yards of compost to landscaping, agriculture, topsoil manufacturing and more. With a background in environmental science, Emma revolves marketing efforts

around agronomy education which empowers customers and clients to design and build a project to its full potential. Emma is a member of the Market Development Committee on the US Composting Council, a member of the New Jersey Composting Council, and is a Certified Composting Professional.



DENALI WATER SOLUTIONS BUSINESS REFERENCES

ROCKLAND COUNTY, NEW YORK - HILBURN, NEW YORK

WeCare operates and maintains a state-of-the-art composting facility, utilizing the in-vessel BDP ICS composting technology, processing 110 wet tons per day of biosolids and 80 tons per day of wood/yard trimmings, as well as some food waste. WeCare sells all finished compost under the WeCare Compost® label to soil manufacturers, landscapers and various turf-grass applications.



NEW YORK CITY DEPARTMENT OF SANITATION COMPOST CONTRACT (DSNY)

WeCare operates and maintains a state-of-the-art composting facility, utilizing the in-vessel BDP ICS composting technology as a component of services provided to the New York Department of Sanitation. WeCare is the service provider for the Department of Sanitation New York City (DSNY) three compost facilities located in Staten Island, Soundview Park and Rikers Island. The long-term agreement calls for the management of the facilities including the reception, processing, screening and supply of organic product back to the DSNY for distribution and beneficial use.

In July 2007, WeCare began a ten (10) year operations contract with the DSNY. Under this contract, WeCare maintains and operates two (2) outdoor leaf and yard trimmings compost facilities in the Bronx & Staten Island and one (1) enclosed invessel food scraps compost facility on Rikers Island.



The Freshkills leaf and yard waste compost facility encompasses 27-acres within the borders of the former Fresh Kills landfill on Staten Island. The facility also handles food scraps from schools in Staten Island. The Soundview leaf composting facility is located on 12-acres within Soundview Park in the southeastern section of the Bronx. The leaf composting program includes a majority of New York City's Community Districts, which together generate 25,000 tons of autumn leaves each year. In addition, private landscapers deliver approximately 8,000 tons of yard waste to the Fresh Kills Composting Facility annually, and each year WeCare processes 2,500 tons of Christmas trees into mulch.

WeCare operates and maintains all the equipment necessary to produce finished compost at the three (3) processing facilities. Some of the equipment includes Scarab windrow turners, trommel de-baggers/screeners, front-end loaders, dump & water trucks, skid steers and horizontal grinders.



BURLINGTON COUNTY, NEW JERSEY - COLUMBUS, NEW JERSEY



WeCare operates and maintains this stateof-the-art composting facility, utilizing the in-vessel BDP ICS composting technology. This facility is the largest in-vessel biosolids compost facility in the on the East Coast producing 70,000 cubic yards of WeCare Compost® annually. In 2008, WeCare was awarded a ten-year operating contact, including Class A product marketing services and а facilities upgrade construction contract worth \$4 million, which was completed by WeCare in September 2009. Operations began February 2009. Construction upgrades included Corrosion control, structural

repairs and replacement, Elastomeric roof (4-acre building) and computer systems upgrade. The facility processes approximately 50,000 tons annually of biosolids in addition to wood chips and yard waste.

CITY OF ANN ARBOR, MICHIGAN COMPOST FACILITY







In 2010 WeCare was awarded a 7-year contract with the City of Ann Arbor to manage their 20,000-ton (80,000 yard a year) yard trimmings and residential food scraps composting facility. WeCare is responsible for the reception and processing of yard waste, wood waste and residential food waste into compost and mulch products for sale and distribution. With the success of the residential food scraps implementation over the last two years, the City has expanded the food waste program to include merchant post-consumer commercial food waste to be processed at the compost facility on a voluntary drop off basis. The City is also now looking to expand into its own collection of post-consumer food waste for its commercial businesses. The partnership between the City and WeCare has substantially reduced the city's cost for yard waste and mulch processing by over \$400,000 annually. In addition to processing waste derived from the City, the agreement allows for the processing of merchant materials from other independent contractors and other communities. The City of Ann Arbor receives a revenue share for all merchant materials as well as a revenue share on product sales. In 2018 Denali was awarded the contract for the second time. The current contract term is for 5 years with 2, 5 year renewals.

11



CITY OF ATLANTA, GEORGIA

Dewatering, transportation and disposal services for water reclamation and wastewater treatment facilities; including emergency dewatering for multiple facilities through the city. Denali was awarded the dewatering, hauling and transportation contract in May of 2012 and held the contract until all extensions had been exercised in August of 2015. Following that, Denali Water has worked continuously for the City to provide emergency dewatering services.

NORTH TEXAS MUNICIPAL WATER DISTRICT

Denali has dredged, hauled, and land applied approximately 50,000 dry tons annually for the NTMWD for four years. Denali currently maintains over 12,000 acres from the TCEQ. Our great report with TCEQ is critical for our continued success throughout the State of Texas. Our senior team environmental team works closely with Brain Sierant, the TCEQ permit specialist. Project began in 2011 and is ongoing through 2016 with renewals anticipated.

CITY OF HOUSTON, TEXAS

Dewatering of all WTP sludge from three thickening clarifiers. Operation of three belt filter presses on a 24-hour seven days per week basis. Daily disposal of all dewatering cake. Land application of more than 100,000 wet tons per year of Class B sludge from city owned WTP's throughout the City.

CITY OF CHATTANOOGA, TENNESSEE

Denali currently transport and beneficially reuses approximately 80,000 tons of Class B biosolids per year from the Moccasin Bend Wastewater Treatment Plant located in Chattanooga, Tennessee.

CITY OF LOS ANGELES, CALIFORNIA

Biosolids management services for a large municipal area; including operation in a metropolitan area. Denali has a long-term relationship with this customer and processes and transport wastewater treatment residuals to a variety of disposal locations, dependent upon customer needs.



PROPOSED TECHNOLOGY SOLUTION: DEVELOPMENT OF ORGANICS RECOVERY PROGRAM— DEPACKAGING SYSTEM AND FACILITY

Denali is focused on the recovery of organic waste streams including packaged food waste, industrial food processing waste and food waste scraps. Denali has leased an existing transfer station in the Bronx. The site is currently permitted for Putrescible Solid Waste (PSW) and Denali is in the process of re-designing the site to be first Source Separated Organics-only transfer station in New York City. The facility will have a permitted organics capacity of 166 tons per day and will have a depackaging unit with throughput of approximately 10-15 tons per hour.



Denali has a contract with the New York City Department of Sanitation to transfer and beneficially reuse SSO from DSNY commercial and residential collections. In addition, Denali envisions transferring organics from a wide array of sources at the facility, including the numerous food distribution operations in the surrounding Hunts Point area.

Denali has invested significantly into technology that provides for the depackaging of food related products. The depackaging technology creates an additional high value, source separated organics feedstock that can be anaerobically digested, used to create nutrient rich compost or used as an animal feed supplement if suitable.

Packaged organics entering the facility will be loaded into the depackaging unit, which will efficiently separate organics from packaging materials. The depackaged organic material will be routinely evaluated for the appropriate beneficial reuse options.

RFEI RESPONSE QUESTIONS

1. FACILITY OVERVIEW

1.1 Provide a description of the facility, including applicable drawings, plans, renderings, maps, or other illustrations.

After submitting the appropriate manifest or bill of the lading, the driver will be scaled in and the organic material will be either dumped or unloaded onto a tipping floor in the receiving area. Material will then be loaded into the depackaging unit, which will efficiently separate



organics from packaging materials. The outgoing depackaged organic material will be routinely evaluated for the appropriate beneficial reuse options such as compost, etc.

1.2 What material stream(s) does the facility accept?

Our Facility will accept pre consumer and post consumer food waste including but not limited to; packaged grocery waste, clean source separated organics, fresh cuts, restaurant food scraps, beverage waste, produce waste, breads and bakery waste, spoiled or expired food products, residuals from food manufacturing operations, and other separated organics or similar materials as authorized by the NYSDEC permit and other applicable regulations.

1.3 What are the restrictions on inbound material, if any (allowable contamination, prohibited materials, delivery specifications, etc.)?

A certain level of contamination will be allowed. This includes packaging materials such as plastic and cardboard. This will be outlined in our operating permit and will likely be limited to approximately 10%.

Prohibited materials will include hazardous waste, friable asbestos, paint, medical waste, waste sharps, electronic waste, construction debris, glass, concrete, batteries, mop heads and aprons, and other materials as outlined in the operating permit.

1.4 What is the available capacity; what is the permitted capacity of the facility?

The facility has a permitted capacity of 166 tons per day.

1.5 Taking into account your existing commitments to carters or other generators, under normal operating conditions do you have available daily capacity, or do you operate close to permit limits on a regular basis?

The facility has significant uncommitted capacity.

1.6 For proposed facilities, what is the project timeline?

A permit modification has been pending with DEC since July 2020. Upon receipt of the permit modification the additional permits needed for construction and operation will be obtained, and construction will begin. It is estimated that the facility will be operational in the first quarter of 2022.

2. OPERATIONS AND PROCESSING

2.1 What are the operating hours of the facility?

Our facility will be open 24 hours per day, Monday-Saturday.

2.2 Are there restrictions on how many trucks per hour the facility can handle?

It is anticipated that the facility can handle approximately ten incoming vehicles per hour.

2.3 Are there restrictions on the size, weight or type of trucks the facility can handle?

No. Tractor trailers have operated out of this site in prior years.



2.4 Describe the equipment, machinery, process and/or technology used to handle or process waste.

The drawings attached herein illustrate the basic layout for the unloading, separation and transferring of the clean organic material. The systems and technologies being utilized are widely used and accepted in the industry.

2.5 Does the facility employ any innovative technologies or systems?

Depackaging equipment is well proven in numerous applications; however, it is still innovative and establishing itself in the marketplace.

2.6 If you are listing an organics processing facility—compost and anaerobic or aerobic digesters— provide a list of organic material that you do not accept for processing.

The material listed in 1.2 and 1.3 above is consistent with the requirements of our outlets for composting and/or anaerobic digestion.

2.7 Does the Respondent have off-take agreements for sorted commodities or finished products?

Yes, Denali has agreements with outlets in the Tri-State area that are approved to accept the organics from our transfer station.

2.8 What form of transportation or export is used for material leaving the facility?

Our facility policy will be to utilize transfer vehicles that are the most energy efficient available. Material will typically be hauled in large trailers to minimize vehicle trips and the associated emissions and traffic.

2.9 What secondary processors does the facility use, if any?

Secondary processing will occur offsite at destination facilities, including anaerobic digesters, composters, and similar operations if suitable from an environmental standpoint and if properly permitted.

2.10 If your facility is a transfer station, what disposal facilities have you used in the past (please separate by material type – refuse, recyclables, and organics.

Our facility will be a transfer facility on Casanova Street in the Bronx. In the past, we have utilized Trenton Biogas, LLC, in Trenton, NJ as our primary outlet for food waste materials from the NYS area.

2.11 Does the facility have contingency plans in case of emergency or disruption?

An Emergency Response Plan is found in Section 11.0 of the Facility Manual, which will be available online and on-site. All employees will be trained in emergency response procedures.



3. SITING

- **3.1** For existing facilities:
 - **3.1.a.** Where is the facility located?

Our facility is located at 325-327 Casanova Street, Bronx NY 10474

3.1.b. Does the Respondent currently control, through lease or ownership, the site on which the facility is located? If so, what are the terms of such control?

Our facility is currently permitted for MSW with a modification to accept organics under review by the NYSDEC. Denali has leased the site under a long-term agreement from the owner: Waste Connections of New York, Inc.

- **3.2** For proposed facilities:
 - **3.2.a.** Are there one or more sites currently under consideration? Where?

There is currently one facility proposed. See 3.1a.

3.2.b. Does the Respondent currently control, through lease or ownership, any of the proposed sites?

See 3.1.b

- **3.2.c.** Is the Respondent seeking additional potential sites for the proposed facility?
 - **3.2.d.** What stage of the process are you in: site selection and control; regulatory approvals; seeking financing; seeking construction permits; under construction; testing facility equipment and operations; currently operating at partial or full operating capacity. See more detailed questions below for each stage of development.

As of March 4, 2021 the operation is awaiting DEC approval of a permit modification allowing for the facility to be run as an organics-only transfer station with depackaging equipment. Two rounds of comments from DEC have been responded to and we are awaiting further feedback or approval.

3.2.e. What type of state and local authorization would the facility necessitate and what is the timeline and status of obtaining those approvals?

DEC approval is pending. The recently renewed DSNY permit allows the proposed operation. Before construction could commence approval is also needed from NYC Department of Buildings and others.

3.2.f. What are the site criteria for the proposed facility (zoning requirements, proximity to other uses, size, access to rail/navigable waterways, height minimums, etc.)?

The site needs to be accessible to large vehicles and permitted as a transfer station.



3.2.g. Has the respondent conducted any community or public engagement regarding the proposed facility?

The facility has operated as a transfer station for many years. Recent outreach has been made to businesses in the area to inform them of an impending opportunity for organics beneficial reuse in the neighborhood.

4. PERMITTING

4.1 Is the facility permitted to accept the materials described in section 4.1 by all applicable federal, state and local authorities?

The facility has operated as a transfer station for many years. The DSNY permit is finalized. A permit modification is pending with DEC, allowing for the operation of the depackaging unit.

4.2 When do the current applicable permits expire?

DSNY issues a yearly permit, which needs be renewed each June.

4.3 Are there any anticipated changes to permitted capacity or other permit conditions?

The facility is able to apply for a one-time 20% increase of DSNY permitted capacity.

4.4 For facilities that are not yet permitted, what steps are necessary to receive such permits?

The facility is awaiting DEC permit modification approval.

5. FINANCING

5.1 For proposed facilities or modified facilities, what is the current status of financing? Is the developer seeking financing partners?

The facility improvements will be financed internally.

5.2 Is financing contingent on achieving minimum throughput commitments? If so, what is the minimum throughput for financial viability?

No

5.3 What is the current or projected tip fee at the facility? Is the tip fee contingent on market conditions or other factors?

A market-based tip fee will be determined when the facility beings operation.

5.4 Is the respondent willing to enter into agreements to accept material from CWZ awardees? If so, are there any restrictions on the terms of those agreements?

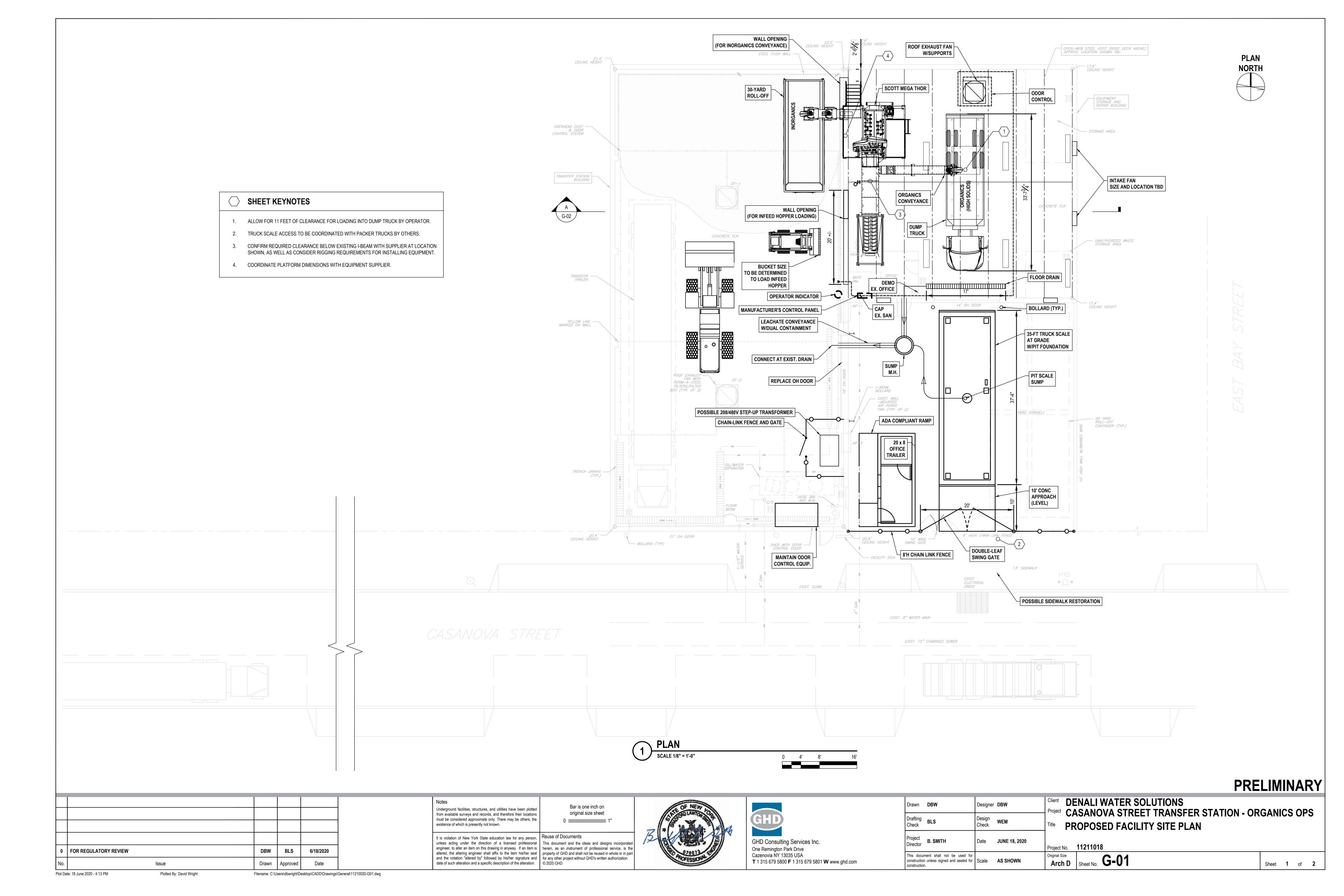
Yes. Awardees would need to commit to only bringing authorized material to the site and abiding by all relevant rules and regulations for the facility.

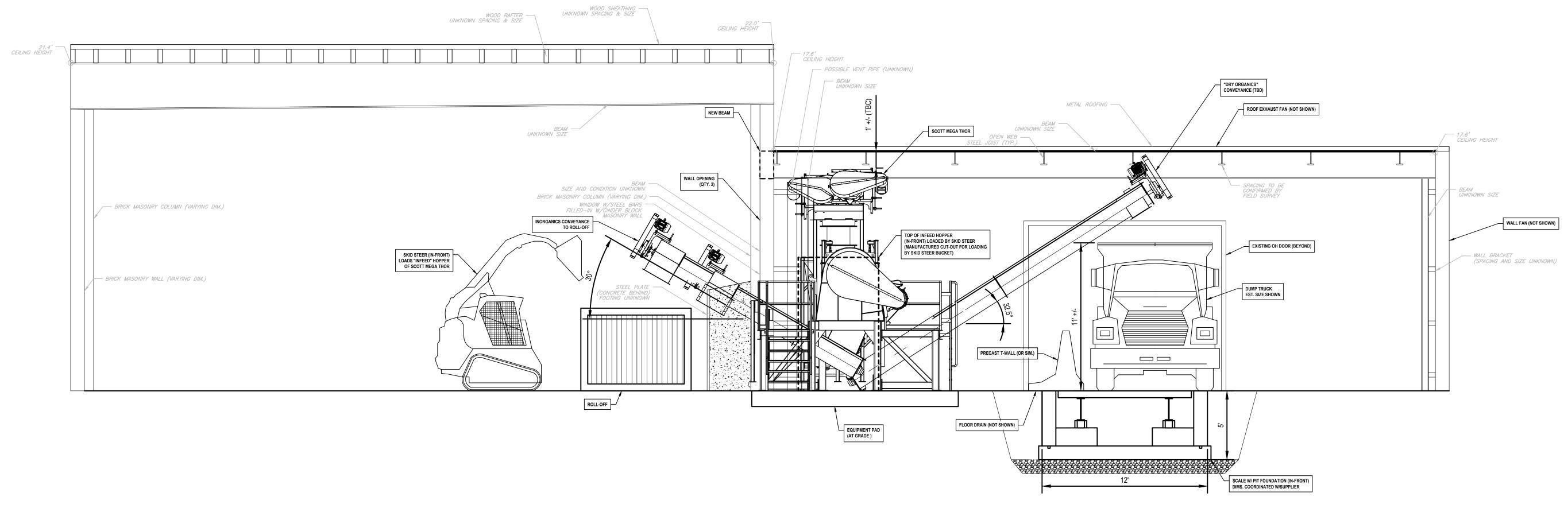


FACILITY DRAWINGS, PLANS, MAPS, PHOTOS

RFEI instructs to include any: Relevant drawings, plans, renderings, maps, photos, or other illustrations regarding the existing or proposed facility.

...see attached site plans







SHEET GENERAL NOTES

- 1. DIMENSIONS AND CLEARANCES SHOWN ARE APPROXIMATE.
- 2. FINAL LAYOUT TO BE VERIFIED DURING ENGINEERING DESIGN.
- 3. UTILITY CONNECTIONS NOT SHOWN.

4. THICKNESS OF WALLS AND SLABS UNKNOWN.

PRELIMINARY

			Notes Underground facilities, structures, and utilities have been plotted from available surveys and records, and therefore their locations must be considered approximate only. There may be others, the existence of which is presently not known. Bar is one inch on original size sheet 1"	Z A STOND LAWTON OF STATE OF NEW 1 CO.	GHD	Drawn DBW Designer DBW Drafting Check BLS Design Check WEM		Client DENALI WATER SOLUTIONS Project CASANOVA STREET TRANSFER STATION - ORGANICS OPS Title PROPOSED FACILITY SECTION Project No. 11211018	
0 FOR REGULATORY REVIEW No. Issue		DBW BLS 6/18/2020	It is violation of New York State education law for any person, unless acting under the direction of a licensed professional engineer, to alter an item on this drawing in anyway. If an item is altered, the altering engineer shall affix to the item his/her seal and the notation "altered by" followed by his/her signature and date of such alteration and a specific description of the alteration. Reuse of Documents This document and the ideas and designs incorporated herein, as an instrument of professional service, is the property of GHD and shall not be reused in whole or in part for any other project without GHD's written authorization. © 2020 GHD	ed he art	GHD Consulting Services Inc. One Remington Park Drive Cazenovia NY 13035 USA T 1 315 679 5800 F 1 315 679 5801 W www.ghd.com	Project B. SMITH	Date JUNE 18, 2020		
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PART 2 OF THE RFP – NYC COMMERCIAL WASTE ZONES APPENDIX E RFEI RESPONSES

Response to Request for Expressed Interest (RFEI)

1900 SOUTH OPERATOR LLC

1900 South Avenue Staten Island, New York, 10314

Operated by:1900 South Operator LLC

Purpose: New York City Department of Sanitation Request for Expressions of Interest For Existing and Proposed Transfer, Processing, Beneficial End-Use and Disposal Facilities Related to Commercial Waste Zones



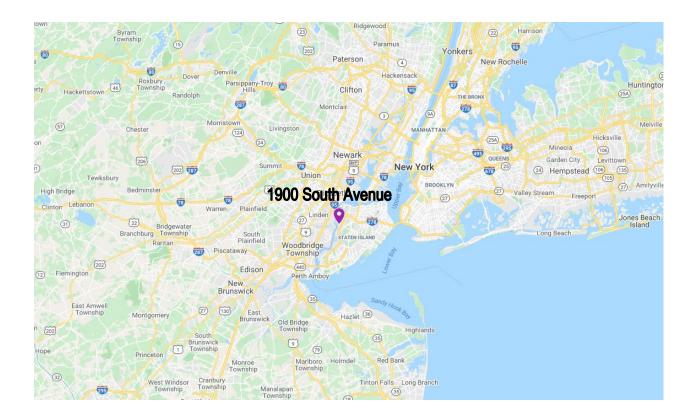
Executive Summary

Introduction

1900 South Avenue, operated by 1900 South Operator LLC is currently permitted as an Intermodal Transfer Facility and a Fill Material Transfer Station with the New York City Department of Sanitation and is a registered facility with the New York State Department of Environmental Conservation. The Site is located within an M3 zone with a use group 18 designation from the New York City Department of Buildings.

The facility is situated on more than 40 acres in Richmond County at 1900 South Avenue (Block 1801; tax lots 75, 45 and 35) and is in close proximity to designated truck routes that lead directly onto local interstate highways. It is fully regulated as a registered tri-intermodal facility and includes infrastructure to load and unload intermodal containers for all putrescible waste and special waste classes that serve Part 364 transport permit holders utilizing various trucks and watercraft, including barges onto a bulkhead of approximately 680 feet. The rail capacity currently includes 4 sidings with more than 40 rail cars. From either truck or marine barges, containerized waste can be transferred directly to our on-site rail yard with daily rail service allowing access to landfills and beneficial use locations anyplace reached by rail.

1900 South Operator LLC is actively seeking new relationships to expand usage of its tri-modal capabilities.



1900 South Operator LLC

Site Operator

Site Address: 1900 South Avenue, Staten Island, NY, 10314

Block / Lots: Block 1801; Lots 35, 45 & 75

Site Operator: 1900 South Operator LLC Site Owner: 1900 South Owner LLC Facility Owner's Name: Dov Hertz

Phone: 646-630-8609 Email: dh@dhphllc.com

Mailing Address: 7901 Fourth Street N, Suite 4739, St. Petersburg, FL, 33702

Business Address: 2 Park Avenue, 14th Floor, New York, NY, 10016

Contact Information

1) Contact Name: Dov Hertz Phone: (646) 630-8609 Email: dh@dhphllc.com

2) Contact Name: Aaron Malitzky Phone: (646) 630-8610 Email: am@dhphllc.com

Contact Name: Ariel Tambor Phone: (347) 645-1473 Email: at@dhphllc.com 4) Contact Name: Delano Dixon Phone: (917) 575-8348

Email: ddixon@richmondrecyclingsi.com

5) Contact Name: John Hogan Phone: (917) 817-0379

Email: jhogan@vanbrorichmond.com

6) Contact Name: Raymond Casey Phone: (917) 923-7150

Email: raymond@caseylaw.nyc



Responses to Section 4: Questions for Respondents

Section 4.1. Facility Overview

1. Provide a description of the facility, including applicable drawings, plans, renderings, maps, or other illustrations.

1900 South Avenue is an ~40-acre site located on Staten Island's West Shore. 1900 South Avenue is one of the only sites in New York City that offers tenants and clients tri-modal access. With a 100-rail car capacity, 680' feet of bulkhead (with 3 docks/berths) and direct truck access off of route 440, 1900 South Avenue offers clients a unique multi-modal opportunity. Additionally, the Site has significant laydown area for clients requiring barge / rail throughput. 1900 South Avenue is a registered Intermodal Solid Waste Container Facility, accepting construction & demolition debris, Putrescible solid waste, with a capacity of approximately 6,000 tons per day. Furthermore, 1900 South Avenue has an operating Fill Material Transfer Station on site, operated by Richmond Recycling LLC. The Fill Material Transfer Station Permit allows for up to 200,000 cubic yards of fill material to be stored on site. The responses to the remaining questions are specific to intermodal operations and do not include additional capacity and resources available with Richmond Recycling facilities.

2. What material stream(s) does the facility accept?

The facility can accept Putrescible Solid Waste along with Construction & Demolition Debris.

3. What are the restrictions on inbound material, if any (allowable contamination, prohibited materials, delivery specifications, etc.)?

Intermodal materials must be enclosed in intermodal containers.

4. What is the available capacity What is the permitted capacity of the facility?

The intermodal facility capacity is 6,000 tons per day / 9,000 yards.

5. Taking into account your existing commitments to carters or other generators, under normal operating conditions do you have available daily capacity, or do you operate close to permit limits on a regular basis?

With respect to the railyard, with proper scheduling, the daily capacity is 40 rail cars per day with each car holding up to 1,300 tons (total = 52,000 tons). Additionally, the property has a dock with 3 berths and 680' of bulkhead and available unloading equipment. There is current utilization of dock and rail assets, but sufficient capacity to move additional material through the site.

6. For proposed facilities, what is the project timeline?

The facility can accept material currently, as indicated in Section 4.1.5. above.



Section 4.2. Operations & Processing

1. What are the operating hours of the facility?

The intermodal permit is available for use 24/7.

2. Are there restrictions on how many trucks per hour the facility can handle?

125 truck trips per day.

3. Are there restrictions on the size, weight or type of trucks the facility can handle?

There are no restrictions as to size or weight of trucks.

4. Describe the equipment, machinery, process and/or technology used to handle or process waste.

The Site has a full array of safety equipment, scales, and technology to track the volume of materials moving on and off the site in real time.

5. Does the facility employ any innovative technologies or systems?

All currently available Intermodal technology are being utilized.

6. If you are listing an organics processing facility—compost and anaerobic or aerobic digestors— provide a list of organic material that you do not accept for processing.

N/A

7. Does the Respondent have offtake agreements for sorted commodities or finished products?

N/A

8. What form of transportation or export is used for material leaving the facility?

All current vendors utilizing rail and dock access have disposal locations in place.

9. What secondary processors does the facility use, if any?

N/A

10. If your facility is a transfer station, what disposal facilities have you used in the past (please separate by material type – refuse, recyclables, and organics.

The facility's transfer station is operated by Richmond Recycling and is currently authorized to handle only non-putrescible waste.

11. Does the facility have contingency plans in case of emergency or disruption?

All current vendors utilizing the property's assets have disruption plans in-place.

Section 4.3. Siting

- 1. For existing facilities:
 - a. Where is the facility located?

1900 South Avenue, Staten Island New York, 10314

b. Does the Respondent currently control, through lease or ownership, the site on which the facility is located? If so, what are the terms of such control?

Yes, The Site is 100% owned by 1900 South Owner LLC. The Site is 100% operated by 1900 South Operator LLC which has a long-term ground lease on the land. Above-mentioned Richmond Recycling operates the permitted transfer station and is a tenant on the site.

- 2. For proposed facilities: N/A
 - a. Are there one or more sites currently under consideration? Where?

N/A.

b. Does the Respondent currently control, through lease or ownership, any of the proposed sites?

N/A

c. Is the Respondent seeking additional potential sites for the proposed facility?

N/A

d. What stage of the process are you in: site selection and control; regulatory approvals; seeking financing; seeking construction permits; under construction; testing facility equipment and operations; currently operating at partial or full operating capacity. See more detailed questions below for each stage of development.

N/A

e. What type of state and local authorization would the facility necessitate and what is the timeline and status of obtaining those approvals?

N/A

f. What are the site criteria for the proposed facility (zoning requirements, proximity to other uses, size, access to rail/navigable waterways, height minimums, etc.)?

N/A

g. Has the respondent conducted any community or public engagement regarding the proposed facility?

N/A

Section 4.4. Permitting

1. Is the facility permitted to accept the materials described in section 4.1 by all applicable federal, state and local authorities?

Yes

2. When do the current applicable permits expire?

The Intermodal Permit was most recently renewed in February 2021 and expires on February 24th, 2022. The permit is renewed on an annual basis. The site is also authorized by the New York State Department of Environmental Conservation as an Exempt Transfer Facility as defined in 6 NYCRR 362-3.2(a) for all special waste classes, including putrescible waste.

3. Are there any anticipated changes to permitted capacity or other permit conditions?

No

4. For facilities that are not yet permitted, what steps are necessary to receive such permits?

N/A



Section 4.5. Financing

1. For proposed facilities or modified facilities, what is the current status of financing? Is the developer seeking financing partners?

There is financing on the land. No financing on the business operations is contemplated at this time. Infrastructure improvements would be paid for with equity.

2. Is financing contingent on achieving minimum throughput commitments? If so, what is the minimum throughput for financial viability?

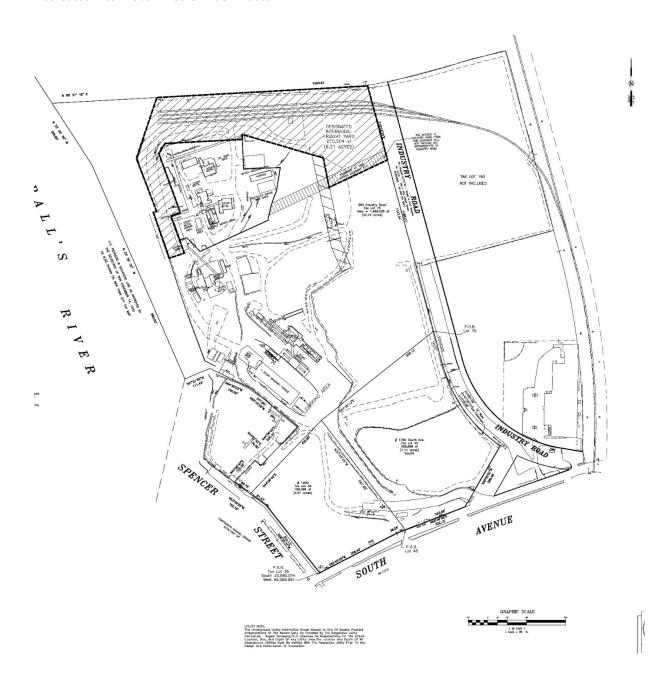
N/A

- 3. What is the current or projected tip fee at the facility? Is the tip fee contingent on market conditions or other factors?
- TBD will be set at market rate and dependent on capacity and size/term of project.
- 4. Is the respondent willing to enter into agreements to accept material from CWZ awardees? If so, are there any restrictions on the terms of those agreements?

Yes, respondent is willing to enter into agreements to accept material from CWZ awardees. No, restrictions on terms of the agreements at this time. All agreements with be subject to further negotiation.



Dedicated Intermodal Area & Truck Route



1900 South Operator LLC

Truck Routes

The Facility is located at 1900 South Avenue, Staten Island, NY. Vehicles enter and exit the Facility at this entrance. The Facility is west of the West Shore Expressway (Route 440). Vehicles traveling from the south use the West Shore Expressway North (Route 440) and exit at South Avenue. They then proceed north along the East Service Road to South Avenue. They then turn left onto South Avenue and continue to the entrance which is on the right. Vehicles traveling from the north use the West Shore Expressway South (Route 440) and exit at Chelsea Road/South Avenue. They then proceed along the West Service Road to Chelsea Road. At the stop sign they turn left onto Chelsea Road. At the traffic light at South Avenue, they make a right turn onto South Avenue and continue to the entrance which is on the right. A Truck Route Map is attached.



NEW YORK CITY DEPARTMENT OF SANITATION PERMIT AND INSPECTION UNIT 125 WORTH STREET, NEW YORK, NEW YORK 10013

FOR DEPARTMENT USE ONLY					
DOS REGISTRATION #	11-DS-INT-009				
VALID FROM	2/25/2021				
EXPIRES ON	2/24/2022				



REGISTRATION FORM FOR AN INTERMODAL SOLID WASTE CONTAINER FACILITY								
40.00	NIV OLIA DITE		VASTE CON	HAINER	FAC	ILII I		
		R 4, SUBCHAPTER D PRINT CLEARLY						
	ITY NAME AND		2. FACILITY LEASEE/ OWNER'S NAME					
	1900 Sou	th Operator LLC	Dov Hertz					
STREET			MAILING ADDRESS					
	1900 Sou	th Avenue	1900 South Avenue					
CITY		BOROUGH	CITY BOROUGH					
	S	taten Island	Staten Island					
STATE		ZIP CODE	STATE ZIP CODE					
New '	York	10314	New Yo	rk	10314			
BLOCK 1801		LOT 160 and 75	TELEPHONE NUMBER		C A	6-630-8609		
	ONE NUMBER	160 and 75	TELEPTIONE NOWIGER		04	0-030-8609		
		646-630-8609	CONTACT PERSON		Aar	on Malitzky		
3. FACIL	ITY OPERATOR	'S NAME (IF DIFFERENT)	4. SITE OWNER'S NAME (IF DIFFERENT) 1900 South Operator LLC					
MAILING	ADDRESS		MAILING ADDRESS 79901 Forth Street N, Suite 4739					
	WN/VILLAGE		CITY/TOWN/VILLAGE St. Petersburg					
STATE			STATE	Florida		Zip 33702		
	ONE NUMBER		TELEPHONE NUMBER	646-630-8609				
	CONTAINERS SHALL BE COMPLETELY ENCLOSED, RIGID, LEAKPROOF AND CONSTRUCTED OF NONPERMEABLE MATERIAL (C&D CONTAINERS MAY BE ENCLOSED WITH A NON-RIGID COVER)							
	ALL CONTAINERS SHALL BE REMOVED WITHIN SEVENTY-TWO HOURS OF RECEIPT							
	TRUCKS SI	HALL ENTER AND EXIT FACILITY VIA LAWFU	JL TRUCK ROUTES					
	FACILITY OPERATIONS MUST BE CONDUCTED IN A SAFE AND SANITARY MANNER SO AS TO AVOID ANY NUISANCE OR OTHER CONDITION THAT COULD POSE A DANGER TO PUBLIC HEALTH OR SAFETY.							
FACILITY MUST BE IN COMPLIANCE WITH THE OPERATION AND MAINTENANCE PROVISIONS OF 16 RCNY § 4-44 (SEE ATTACHED RULES)								
6. SOLI	WASTE HAND	LED	7. OPERATIONS SCHEDULE - NORMAL SCHEDULE OF OPERATION					
		ES TO BE ACCEPTED:	DAYS:					
		ction & Demolition	Monday - Sunday ноикs:					
		ris (C&D) and cible Solid Waste	12: 00AM- 12:00 PM					
	Fulles	(PSW)	12. 00AW-12.00 TW					
	b. QUANTITY	(SPECIFIED UNITS)	8. DŚNY/PIU APPROVAL SIGNATURĖ:					
	6,000	Tons per day	SIGNATURE DATE					
			Thomas Milora, Director					



ENVIRONMENTAL AFFAIRS PERMIT INSPECTION UNIT 125 Worth Street, Room 723 New York, New York 10013 Telephone (646) 885-5027 Main Office Fax (212)788-3786

Revised Date of Issuance - March 4, 2021

FILL MATERIAL TRANSFER STATION PERMIT

Transfer Station Number: 13

Address:

Richmond Recycling LLC

1900 South Avenue

Staten Island, New York 10314-0023

Block # 1801

Lot # 35

From: 01/15/2021

To: 1/14/2022

The above referenced location is to be used only for the reception and deposition of fill material. This permit is further subject to the following conditions:

All operations at these premises and the use thereof shall be in conformity with all applicable federal, state and local laws, and the rules and regulations of any governmental agency having jurisdiction over these premises or the use thereof; and in accordance with any statements contained in your application.

- (1) The height of the fill material solid waste pile(s) shall not exceed 40 feet;
- (2) The volume of fill material stored shall not exceed 200,000 cubic yards;
- (3) For purposes of measuring allowable volume, all fill material and other debris used in the production of concrete and asphalt shall be kept separate from piles of fill material not used in the production of asphalt and concrete.
- (4) A working water supply must be within access of all sections of the pile(s);
- (5) Dust created by the dumping and transferring of fill material must be kept under control;
- (6) Only fill material can be dumped at the transfer station site as defined by the Department's rules and regulations;
- (7) A daily record shall be kept showing what fill material is brought into the site by cubic yards, where it came from, and where it was ultimately disposed of by cubic yards;

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- (8) Fill material may be deposited only in the depository area initially outlined for this purpose on the survey map;
- (9) This permit should be prominently displayed at the transfer station site and available for review by Department inspectors at all times.
- (10) This permit is conditioned upon compliance by the permittee with any and all rules and regulations of the Department of Sanitation in existence on the date of this permit's issuance, and any operating rules amended or promulgated during its term.
- (11) In issuing this permit, the Department of Sanitation has relied upon the statements, representations and certifications made on behalf of the transfer station operator by its principals, agents, employees or professional consultants in the permit application and in the documents, materials and other information submitted in support of such application collectively, (the "Application"). Any material misrepresentations or material omissions contained in the Application may be deemed grounds for suspension or termination of the permit.
- (12) This Order is issued upon the condition that the Applicant's fill material transfer station shall comply with all federal, state and local laws, rules and regulations governing the installation of a system for the sanitary disposal of stormwater, sewage and waste water and the discharge of stormwater, sewage and waste water. The Department or other regulatory agencies with jurisdiction over such installations or discharges may inspect the Applicant's fill material transfer station to determine compliance with such requirements and may require the installation of a drainage or other system where necessary.

SPECIAL NOTE

THIS PERMIT IS BASED UPON THE CONDITION THAT THE HOLDER OBTAIN RENEWALS OF ALL REQUIRED PERMITS AND SUBMIT COPIES OF THOSE RENEWED PERMITS TO THE ENVIRONMENTAL AFFAIRS UNIT, DEPARTMENT OF SANITATION. THE DEPARTMENT'S PERMIT SHALL BE SUSPENDED IF THE HOLDER SHALL FAIL TO RENEW ANY AND ALL REQUIRED PERMITS AND PROMPTLY SEND COPIES OF THOSE RENEWED PERMITS TO THE PERMIT & INSPECTION UNIT. FAILURE TO COMPLY WITH THE ABOVE NOTED RULES SHALL ALSO RESULT IN SUSPENSION.

Thomas Milora
Director

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1900 South Operator LLC

Richmond Recycling Key Executive Bios

Delano Dixon, *Manager for Richmond Recycling* – Delano Has held many position in the construction and Port industry. Skanska, Maersk container line, Siemens, Karabincheck Brothers DT Allen Contracting and many others. Delano has an engineering Degree from the University of the West Indies and minor in Global history. Delano has been with Richmond Recycling since 2015 where he manages day to day activity of the operations. Which includes: dealing with the Sanitation Department, Department of Environmental Conservation, Department of Buildings, Property management etc. He currently live in Brooklyn with his wife and two daughters.

John Hogan, Founder & CEO of Richmond Recycling – John Hogan is a co-founder, principal and the Director of Sales for JP Hogan Coring & Sawing Corp., a precision concrete cutting, coring and sawing company servicing New Jersey, New York, Connecticut, Pennsylvania, Delaware and Maryland. Mr. Hogan is also the founder of Richmond Recycling LLC. With over 30 years of experience, Mr. Hogan has developed key relationships at the highest levels in the commercial and civil engineering industry. He has successfully bid for notable projects such as the World Trade Center the Brooklyn Bridge, the Goethals Bridge, LaGuardia Airport, numerous highways and a plethora of other government and privately funded projects. Mr. Hogan is a graduate of Belmont Abbey College. He resided in Spring Lake, NJ is married and has eight children.



Conclusion

Conclusion

With its accessible location, available land, sufficient capacity and existing permits, 1900 South Avenue is the preeminent option for vendors looking to capitalize on sites offering tri-modal access. Based upon the goals of the City's Commercial Waste Zone Program, it is submitted that this facility may serve as a location to place any containerized waste upon rail, reducing or eliminating hundreds of outbound truck trips. Combined with its co-located dock, truck trips, and the accompanying pollution, may be entirely eliminated if containerized waste is transported to the site by barge. If access to New York City's network of Marine Transfer Stations or other private access to marine facilities is utilized, the City's goal of significantly reducing or eliminating the pollution attendant to repetitive truck trips could be achieved.



PART 2 OF THE RFP – NYC COMMERCIAL WASTE ZONES APPENDIX E RFEI RESPONSES

Response to Request for Expressed Interest (RFEI)

ECORICH LLC

Expressions of Interest Submission

New York City Department of Sanitation Request for Existing and Proposed Transfer, Processing, Beneficial End-Use, and Disposal Facilities Related to Commercial Waste Zones

Submission Date: February 24, 2021 / Due Date: March 4, 2021

Proposers: Mr. Manish Desai, President & Mr. Charles Nouhan, Chartered Waste Manager

EcoRich LLC, 94 East Dewey Avenue, Wharton, NJ 07885

Phone: 973-453-1263

email: manish.desai@ecorichenv.com and charles@ecorichenv.com

Background:

This expression of interest to the CWZ Disposal RFEI, published on 28 January 2021, focuses on the provision by EcoRich LLC of advanced scalable systems to compost and reuse commercially produced food waste and garden waste (organics) arising in New York City, as outlined in the REFI.

The proposed system, outlined later in this document, offers a solution to enable the private carting industry to provide a safer and more efficient collection system that advances New York City's zero waste goals and Green New Deal in the context of the City's Commercial Waste Zones program.

Our proposal envisions one or more of the following processing and beneficial end-use scenarios:

- A. Scalable facilities located within one or more of the Local Law 199 twenty (20) Commercial Waste Zones as disposal and processing points for CWZ Awardees;
- B. Scalable facilities located at existing transfer stations or processing facilities operated by CWZ Awardees, or similar locations operated by their waste destination and processing partners; or
- C. A combination of A & B above, as established by CWZ Awardees or their waste destination partners.

While EcoRich LLC does not currently operate a facility as proposed, it is prepared to build and operate one or more such facilities with a partner, or independently if otherwise sufficiently funded to do so.

About EcoRich Composting Solutions (<u>ecorichenv.com</u>)

Established in 2015 by Manish and Shilpa Desai, EcoRich LLC offers onsite composting solutions for businesses and communities of all sizes looking to sustainably dispose of food and other organic waste. EcoRich started with the idea of selling home composters and has since become a Minority Business Enterprise (MBE) certified company. While we still offer home composters, we have grown to offer a line of commercial composters that range in daily capacities from 20 pounds to 4,000 pounds per day, with available options that make

recycling easy and cost-effective for large food waste and organics producers. These include custom-build larger capacity in-vessel composers and our new Rapido Rotary Composter. We have partnered with a firm in India that has been producing these unique machines for 9 years.

Now that the world has begun to understand the benefit of food waste recycling and returning nutrients to the soil in a closed-loop manner, we see an opportunity to meet that need. Most food waste still goes to landfills, but with our in-vessel composting solutions, food waste and other organic materials can be repurposed into nutrient-rich compost for onsite use or sale.

Environmental Benefits

Our processes are easy to use, require minimum labor, and by diverting putrid food waste and other organics from landfill, and utilizing the potential within localized community-based in-vessel composting, EcoRich systems eliminate the methane pollution usually associated with organics processing and reduces the need for vehicle trip-related congestion and noise and air pollution.

EcoRich offers a truly sustainable alternative.

The EcoRich Team

Manish Desai, EcoRich Founder, and President. Manish is a hands-on director and businessman, who since 1995 has taken on businesses to turn them around to be popular and profitable. When looking for his next challenge Manish chose composting, something he is passionate about. Contact Manish at: manish.desai@ecorichenv.com or +1 973 517-6820

Charles Nouhan, Senior Sales Executive and Chartered Waste Manager. Charles, EcoRich's Senior Sales Executive, is a professional waste manager and sustainability expert with experience in the United States and the United Kingdom. A Member of the Chartered Institution of Wastes Management, he advises businesses, institutions, communities, and governments on the recovery of food waste for reuse and on developing strategies for the more effective capture of contamination-free recyclables. Contact Charles at charles@ecorichenv.com or +1 201 674-7088

Arthur Henderson, Business Development. Arthur comes from a background of natural living on a farm where they grew their vegetables, beef, chickens, and sheep. Sustainability was part of everyday living. The composting bin was always in use. When a recent food scraping initiative in his local town began over a year ago, he became inspired to get back to his roots. No more food scraps in the regular trash. His professional career includes sales, operations, and management positions with technology, textiles, publishing, and retail companies. Contact Arthur at arthur@ecorichenv.com or +1 914 282-3454

Leif Skogberg, Commercial Sales Consultant. Leif is a sustainable design, integrated land use, and zero waste consultant who has been working with businesses and property owners across the USA for over 15 years. He provides detailed technical assistant for sustainability

program development, specializing in the areas of large restaurants, hotels, resorts, farms, and retreat centers. He has been working with EcoRich as a Commercial Sales Consultant since the fall of 2019. Contact Leif at leif@ecorichenv.com or +1 805 886-6251

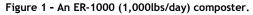
Answers to CWZ Disposal RFEI Questions for Respondents - Section 4.

4.1.1Description of the Facility - The EcoRich 10 ton per day Food Waste Processing and Compost Production Facility

The proposed facility is a self-contained, scalable combination of a building and equipment capable of composting food waste and other organics at a large scale. The size of any one facility will be determined by the amount of material guaranteed by a CWZ Awardee future partner. The equipment consists of an EcoRich Elite II In-vessel composter, an example of which is shown in figure 1 below, a Rapido Rotary Composter, figure 2, and several accessories as outlined below. This large-facility version of the Elite II machine uses fresh air and heat to reduce the volume by 80%. The result is a significantly de-watered material that is about 20% of the original volume of the content placed into it just 24-hours earlier.¹

Following the Elite II's 24-hour cycle, the dewatered material will move to the EcoRich Rapido Rotary Composter by way of an automatic removal system and, along with a microbial composting culture, a mixture of 20% by volume of browns (for example, including but not limited to sawdust, leaves, or wood chips) will be added to create the correct recipe for compost. After 14 days of processing in the Rapido Rotary Composter, the material that comes out from the far end of the machine is a mature compost ready for use in multiple planting and related applications.





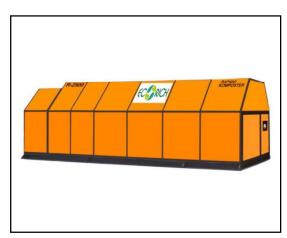


Figure 2 - An R-2500 composter.

¹ The stand-alone version of the Elite II composter uses fresh air, heat, and a heat-tolerant microbe to aerobically digest food material to a fully digested and reduced volume of up to 90%. The result of that invessel digestion process is a nutrient-rich soil amendment suitable for multiple planting applications. The large-facility version of the Elite II employs the same process, but without the digesting aerobic microbes.

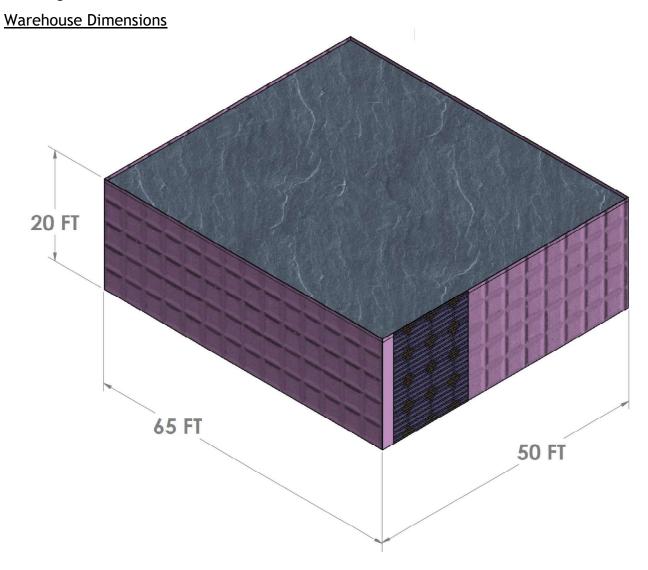
The Equipment Required

- A waste collection tank for a dump truck or toters to empty into.
- Conveyer to a crusher.
- Crusher and dewatering system.
- Elite II Composter Digester, which comes in multiple sizes as needed.
- Automatic compost removal feature.
- Conveyor to the Rapido Rotary Composter.
- A tank to load browns into the Rapido rotary Composter.
- One Rapido Rotary Composter.
- Compost collection bins for the finished compost.

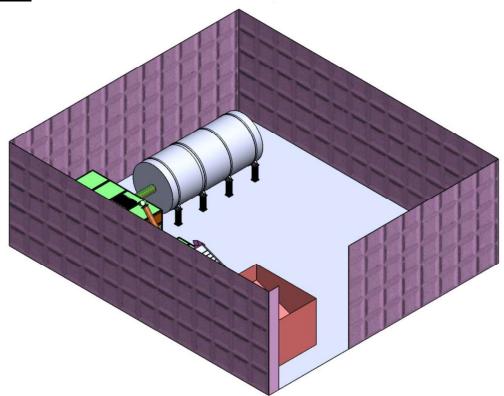
Space Requirements

8,000 sq. ft. is required for a 10-ton per day facility, in a warehouse with a garage door that can accommodate a variety of hauling vehicles. The warehouse can be square or rectangle.

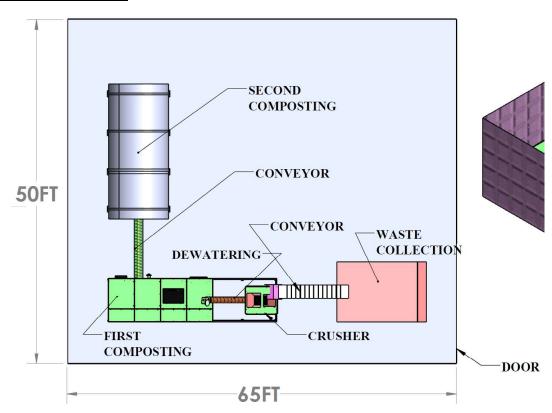
Drawings



Proposed Layout



Overhead View of Interior



Page **5** of **10**

The Processes

- Food waste and related material arrive at the site by dump truck or similar. A waste collection tank will accept the material from vehicles or similar delivery methods.
- The material will move from the tank to a crusher using a conveyor belt.
- The material, including compostable bags with food waste, will be crushed. The material will move through the de-watering process and into the machine using a screw conveyor.
- The screw will squeeze out the water to reduce the material volume, thereby allowing the Elite II machine to process a greater volume of delivered organic materials.
- From the screw, a conveyor will carry the material into the Elite II machine.
- After 24-hours, the overall volume reduction will be approximately 80%, and the material will then move to the Rapido Rotary Composter using an automatic ejection system.
- A small amount (circa 0.1%) of microbial composting culture and 20% browns (sawdust, leaves, wood chips, and the like) will be added to the Rapido Rotary Composter.
- After 14 days, the material will come out of the far end of the Rapido Rotary Composter as a mature compost to be used for a variety of applications.
- The full process will be repeated daily, that is, food waste into the Elite II machine, then dewatered material goes into the Rapido Rotary Composter to begin its 14-day process.

Advantages

- If organics are processed at a site within one or more of the Local Law 199 twenty Commercial Waste Zones, the number of vehicle journeys is reduced.
- In-vessel composting provides an odor-free and pest-free experience. No smells, rodents, rainwater runoff, or other related outdoor composting problems often experienced.
- If multiple sites are established, local jobs in multiple communities are created.
- Such facilities would also make local composting available to new micro-hauler businesses, another job creator, and more food waste composting options for local businesses a truly sustainable model that encourages local community involvement.
- The compost stays local, perhaps even in NYC, and helps local communities to nurture local soil and other planting applications in a closed-loop circular-economy way.
- Each CWZ can have one facility servicing the three awardees in that zone; this will lower the cost of transport and make food waste recycling more affordable.
- This set-up can accept all food waste organic materials, including meat, bones, and bread in compostable bags, and other compostable organic materials.

4.1. Facility Overview

4.1.2 - What material stream(s) does the facility accept?

A: All organic food materials from kitchen scraps to leftover foods of all kinds from dining areas, including meat, bones, fish, and dairy products. Paper napkins and the like are permitted, as well as organic garden waste and shredded branches and shrubs.

4.1.3. What are the restrictions on inbound material, if any (allowable contamination, prohibited materials, delivery specifications, etc.)?

A: No large volumes of oils or other liquids, plastics, glass, or metals. While the material is preferred to be loose, it can be in certified biodegradable bags manufactures with plant-based polymers. While small volumes of plastics and other non-allowable items will

not harm the machines, they will not be composted and will come out as they went in.

4.1.4. What is the available capacity? What is the permitted capacity of the facility?

A: The proposed facility would be able to accommodate up to 10 tons of food waste material per day. But, as it is a scalable system, smaller facilities can be established.

4.1.5. N/A

4.1.6. For proposed facilities, what is the project timeline?

A: Once financing is secured from a partner or otherwise, EcoRich can complete the facility in less than one year from the funding start-date.

- 4.2. Operations and Processing
- 4.2.1. This will be established at a later date, and will meet the need.
- 4.2.2. This will be established at a later date, and will meet the need.
- 4.2.3. This will be established at a later date, and will meet the need.
- 4.2.4. Describe the equipment, machinery, process, and/or technology used to handle or process waste.
- A 1: The EcoRich Elite composter: A 24-hour process uses electric heaters, a turning shaft, and blowers that circulate and extract air. The heater warms food waste and other organic materials and turns water-content into water vapor. That vapor is extracted by an exhaust blower into a vent-stack or similar exit point and condenses outside of the machine; there is no waste-water leachate, just condensed water. The shaft intermittently mixes and turns the material inside the tank so that it is regularly exposed to fresh air. This process means that no dead-air pockets are created, so no decomposition gases such as methane are produced; it is a fully aerobic process.
- A 2: The Rapido Rotary Composter has a round tank within that turns on wheels with the help of a slow-speed electric motor. While it moves slowly, it progresses the material forward as it mixes the dewatered waste with browns and the digesting agent microbes that speed up the composting process. The machine can be loaded daily with the volume of material that is processed by the first stage of the process the Elite II machine. After 14 days a rich compost will come out at the other end.
- 4.2.5. Does the facility employ any innovative technologies or systems?

A: Yes. The first stage, the EcoRich Elite II machine is unique in the following ways:

- It dewaters food waste of all kinds, uncooked and cooked, meat and bones and other organic material, to a reduced volume of material ready for composting. All on-site.
- An 80% reduction in volume will produce up to 20% dry material; 100 pounds of waste becomes about 20 pounds in 24 hours.
- No organic waste goes down the drain, just water.
- The process is odor and pest-free when properly vented.
- No monitoring is needed during the process; just put the food waste and other organics in, start the machine, and return to other tasks.
- The dewatered material is ejected automatically when programmed to do so.

The second phase, the Rapido Rotary Composter, is unique in the following ways:

- It is fully automatic, requiring very little labor.
- The material within is reduced by up to 50% in volume.
- There is no leachate or odors.
- It runs with low power consumption.
- Mixing and curing are automatically done in the machine.
- Once the full 14-day cycle is completed, finished compost is ejected into a collection bag at the rear of the machine, and when the bag is full it is swapped for another.
- 4.2.6. If you are listing an organics processing facility, compost, and anaerobic or aerobic digestors provide, a list of organic material that you do not accept for processing.

 A: The first stage of the process, the Elite II digester, is designed for food materials, garden waste, and shredded branches. It is fully aerobic. When completed, that material
- is sent to the second stage, the Rapido Rotary Composter. It too is fully aerobic.

 4.2.7. Does the Respondent have off-take agreements for sorted commodities or finished
- A: This will be established at a later date, and will meet the need.
- 4.2.8. What form of transportation or export is used for material leaving the facility? A: This will be established at a later date, and will meet the need.
- 4.2.9. What secondary processors does the facility use if any? A: None. The compost is the end-use material.
- 4.2.10. N/A

products?

- 4.2.11. Does the facility have contingency plans in case of emergency or disruption? A: This will be established at a later date, and will meet the need.
- 4.3. Siting
 - 1. For existing facilities: a. Where is the facility located?
 - b. Does the Respondent currently control, through lease or ownership, the site on which the facility is located? If so, what are the terms of such control?

A: N/A

- 2. For proposed facilities:
 - a. Are there one or more sites currently under consideration? Where?
 - b. Does the Respondent currently control, through lease or ownership, any of the proposed sites?
 - c. Is the Respondent seeking additional potential sites for the proposed facility?
 - d. What stage of the process are you in: site selection and control; regulatory approvals; seeking financing; seeking construction permits; under construction; testing facility equipment and operations; currently operating at partial or full operating capacity. See more detailed questions below for each stage of development.
 - e. What type of state and local authorization would the facility necessitate and what is

the timeline and status of obtaining those approvals?

- f. What are the site criteria for the proposed facility (zoning requirements, proximity to other uses, size, access to rail/navigable waterways, height minimums, etc.)?
- g. Has the respondent conducted any community or public engagement regarding the proposed facility?

A: No to all; our proposal is based on being adopted in partnership with others. See paragraph 3, page 1.

4.4. Permitting

- 1. Is the facility permitted to accept the materials described in section 4.1 by all applicable federal, state, and local authorities?
- 2. When do the current applicable permits expire?
- 3. Are there any anticipated changes to permitted capacity or other permit conditions?
- 4. For facilities that are not yet permitted, what steps are necessary to receive such permits?

A: As above, our proposal is based on being adopted in partnership with others. See paragraph 3, page 1.

4.5. Financing

1. For proposed facilities or modified facilities, what is the current status of financing? Is the developer seeking financing partners?

A: As this is in the proposal stage, and EcoRich is seeking partners as outlined on page 1, no financing has yet been sought.

2. Is financing contingent on achieving minimum throughput commitments? If so, what is the minimum throughput for financial viability?

A: This is still to be confirmed, contingent on the scale of the facilities to be developed.

3. What is the current or projected tip fee at the facility? Is the tip fee contingent on market conditions or other factors?

A: The tipping fee will be contingent on market conditions and other factors not yet known.

4. Is the respondent willing to enter into agreements to accept material from CWZ awardees? If so, are there any restrictions on the terms of those agreements?

A: Yes, but it is too early to assess any restrictions on the terms of future agreements.

Summary:

As outlined in the background section on page 1, while EcoRich LLC does not currently operate a facility as proposed, it is prepared to build and operate one or more such facilities with a partner or independently if otherwise sufficiently funded to do so. We hope that applicants to be CWZ awardees will find our proposal beneficial and wish to work with us to deliver a solution to satisfy the goals of Local Law 199 and New York City's zero waste goals and Green New Deal.

DSNY RFEI Response from EcoRich LLC - Final (Feb 2021)

Final Audit Report 2021-02-24

Created: 2021-02-24

By: Charles Nouhan (CHARLESNOUHAN@AOL.COM)

Status: Signed

Transaction ID: CBJCHBCAABAA6VNj-1SP0rL-113aC25O3AoCM1MeRFpW

"DSNY RFEI Response from EcoRich LLC - Final (Feb 2021)" H istory

- Document created by Charles Nouhan (CHARLESNOUHAN@AOL.COM) 2021-02-24 11:10:36 PM GMT- IP address: 69.112.212.88
- Document emailed to Manish Desai (manish.desai@ecorichenv.com) for signature 2021-02-24 11:11:23 PM GMT
- Email viewed by Manish Desai (manish.desai@ecorichenv.com) 2021-02-24 11:11:42 PM GMT- IP address: 67.86.169.105
- Document e-signed by Manish Desai (manish.desai@ecorichenv.com)

 Signature Date: 2021-02-24 11:12:32 PM GMT Time Source: server- IP address: 67.86.169.105
- Agreement completed. 2021-02-24 - 11:12:32 PM GMT

PART 2 OF THE RFP – NYC COMMERCIAL WASTE ZONES APPENDIX E RFEI RESPONSES

Response to Request for Expressed Interest (RFEI)

EMERSON RECYCLING CORP

Emerson Recycling Corp 63 Emerson Place Brooklyn, NY 11205 Phone: (718) 622-1799

March 3, 2021

To: RFEI@dsny.nyc.gov

Re: CWZ Disposal RFEI Final Submission

Enclosed please find Emerson Recycling's response to the DSNY REFI for existing and proposed transfer, processing, and beneficial end-use and disposal facilities related to Commercial Waste Zones.

Attached is a PDF that includes the following documents:

- A. Response to applicable questions in section 4
- B. Emerson Recycling Facility site plan
- C. Emerson Recycling Affirmation_ REFI CWZ disposal

Sincerely,

Stephen Leone, Vice-President sleone@thesmartercarter.com 917.299.4886

Emerson Recycling Corp. Response to REFI

Respondent Key Details:

Name of Respondent: Emerson Recycling Corp

Business Address: 63 Emerson Place

Brooklyn, NY 11205

Name of Contact: Stephen Leone, Vice President

Phone: (718) 622-1799

Email: <u>sleone@thesmartercarter.com</u>

4.1. Facility Overview

1. Provide a description of the facility, including applicable drawings, plans, renderings, maps, or other illustrations. Emerson Recycling Corp. accepts, sorts, bales, and brings to market clean recyclable materials. See Emerson Recycling Facility Site Plan.

- 2. What material stream(s) does the facility accept?
 - Cardboard
 - Paper
 - Textiles
 - Plastic
- 3. What are the restrictions on inbound material, if any (allowable contamination, prohibited materials, delivery specifications, etc.)? Inbound materials must be clean
- 4. What is the available capacity? What is the permitted capacity of the facility? Available capacity: 150 tons per day; Permitted capacity: < 250 tons per day
- 5. Taking into account your existing commitments to carters or other generators, under normal operating conditions do you have available daily capacity or do you operate close to permit limits on a regular basis? We have available daily capacity.
- 6. For proposed facilities, what is the project timeline? Not Applicable

4.2. Operations and Processing

- 1. What are the operating hours of the facility? Mon to Fri 5AM to 12AM; Sat 5 AM to 12PM.
- 2. Are there restrictions on how many trucks per hour the facility can handle? None
- 3. Are there restrictions on the size, weight or type of trucks the facility can handle? None

- 4. Describe the equipment, machinery, process and/or technology used to handle or process waste. Horizontal balers, vertical balers, manual sorting systems
- 5. Does the facility employ any innovative technologies or systems? None
- 6. If you are listing an organics processing facility—compost and anaerobic or aerobic digesters—provide a list of organic material that you do not accept for processing. Not Applicable
- 7. Does the Respondent have offtake agreements for sorted commodities or finished products? No
- 8. What form of transportation or export is used for material leaving the facility? Truck
- 9. What secondary processors does the facility use, if any? None
- 10. If your facility is a transfer station, what disposal facilities have you used in the past (please separate by material type refuse, recyclables, and organics) Not applicable
- 11. Does the facility have contingency plans in case of emergency or disruption? Yes

4.3. Siting

- 1. For existing facilities:
 - a. Where is the facility located? 63 Emerson Place, Brooklyn, NY 11205
 - b. Does the Respondent currently control, through lease or ownership, the site on which the facility is located? If so, what are the terms of such control? Yes, property on which the facility is located has been owned for 50 years. No mortgage.

4.4. Permitting

- 1. Is the facility permitted to accept the materials described in section 4.1 by all applicable federal, state and local authorities? Yes; NYS DEC Registration # 24MF5
- 2. When do the current applicable permits expire? Not applicable.

- Are there any anticipated changes to permitted capacity or other permit conditions?
- 4. For facilities that are not yet permitted, what steps are necessary to receive such permits? Not applicable.

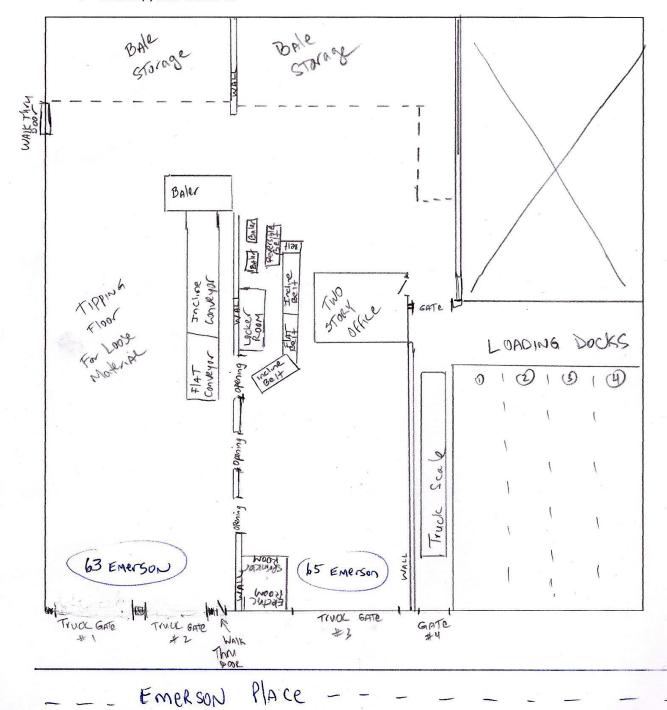
4.5. Financing

- 1. For proposed facilities or modified facilities, what is the current status of financing? Is the developer seeking financing partners? Not applicable.
- 2. Is financing contingent on achieving minimum throughput commitments? If so, what is the minimum throughput for financial viability? Not applicable.
- 3. What is the current or projected tip fee at the facility? Is the tip fee contingent on market conditions or other factors? Currently no tip fee, Respondent pays for materials.
- 4. Is the respondent willing to enter into agreements to accept material from CWZ awardees? If so, are there any restrictions on the terms of those agreements? Yes, the respondent is willing to accept material from CWZ awardees, with no known restrictions at this time.

Site Plan Attachment

Facility owners or operators can use the box below to illustrate the facility's site plan. The site plan must include, but is not limited to the following information:

- o Location(s) of facility entrance and exit
- Storage areas for all waste materials (and for processed materials when required) declared as part of the registration application;
- o Location(s) of all processing equipment; and
- o Location(s) of all structures.



PART 2 OF THE RFP – NYC COMMERCIAL WASTE ZONES APPENDIX E RFEI RESPONSES

Response to Request for Expressed Interest (RFEI)

GAETA GREEN ENVIRONMENTAL SERVICES



CWZ Disposal RFEI Final Submission rfei@dsny.nyc.gov Due March 4th, 2021 at 4pm

Contact: Rachel Lattanzio rachel@greenenvironyc.com

Address: 17-25 Van Street, Staten Island, NY 10310

Phone: 718-720-7220

Gaeta Green Environmental Services | RFEI

COMPANY OVERVIEW

Over the past several years we at Gaeta Green Environmental Services began building a portfolio of businesses and real estate through a series of acquisitions to build a network of assets focused on providing outstanding service in the waste industry while allowing for flexibility as we collectively attempt to solve for the landfill capacity issues. Our strategy is centered around continuing to vertically integrate sites that not only met short term needs in the business model but also could be potentially used in the future to receive additional waste streams. Our response to the proposal today includes two sites, 17-25 Van Street (with adjacent sites) and 1641 Richmond Terrace.

"The future is green". We trademarked the term and the "G" logo in late 2017 as we felt it best captured our vision and purpose. Operating with that motto top of mind, all of our decisioning weighed that exact mantra. In an effort to be a good neighbor, understanding the complexities and challenges posed in the operations of a C&D transfer station, we began assembling and acquiring multiple parcels in the immediate area of our facility. Currently, we have assembled an additional non-permitted 9 lots. Not only did this help us operate with greater efficiency, it aligned perfectly with the transformation we have seen in the waste industry. This centers around technology and how it has disrupted the waste industry in a profound way. We recognized traditional methods that may have required massive spans of land were becoming streamlined and smaller in scale. We felt while there may not be direct uses and applications of the adjoining sites today, we wanted the flexibility to be able to grow the operation and secure increased permitting should the need arise in our community as the aforementioned efficiencies in the waste industry continue to revolutionize how we haul, process, and dispose of various waste streams.

In fact, in 2018 we filed a transfer station modification plan. This plan included a host of actions. Truck traffic remains a hot button issue in the waste industry, so we proposed extending hours of operations to allow us to focus on scheduling the trucks during non-peak traffic hours. Understanding MGP in time would be a priority, we also proposed operating a single stream recycling facility processing a minimum of 15-20 tons per day within a new building we invested in back in 2017. Recognizing the future of transfer stations included moving portions of the operations under roof this 15,000 SF building allows materials to be processed indoors, this would limit dust and noise pollution and prevent any material runoff due to the weather as well as allow better sorting and preparation of recyclables. The best way to reduce material in landfills, is to simply recycle and repurpose materials during processing so they never make it to the landfill in any form at all. To this end, we proposed Designating beneficial-use and sale of recycled materials and reclaimed C & D materials on site. Additionally, we proposed increasing overall storage capacity of non-putrescible material, this allows us to more efficiently pick and sort material as we identify recyclable opportunities. It is incredibly rewarding that our proposed modification aligns with the city's vision for the waste industry.

To fulfill our recycling goals, we acquired a strategically positioned Scrap and Recycling yard. A reduction in truck traffic and pollution being at the forefront of our best practices, we purchased this yard which is located just 0.1 mile from the 17-25 Van Street asset. J&J recycling is located at 1641 Richmond Terrace. The of synergies having these two assets in the portfolio are extensive. With both assets under the same ownership structure, it allows us to operate J & J as a secondary processor of our own recyclable materials. While this activity keeps the business fluid, we have the capacity and capital to scale this operation as demand increases.

We thank you for the opportunity to respond to this RFEI. The following pages provide some detail and visuals to better understand the vision, assets and opportunities. We are open to discussions regarding the sites as they currently exist, for adaptive reuse or with additional permitting. We look forward to playing a larger role as we work to solve for the landfill capacity issues today tomorrow and well into the future.

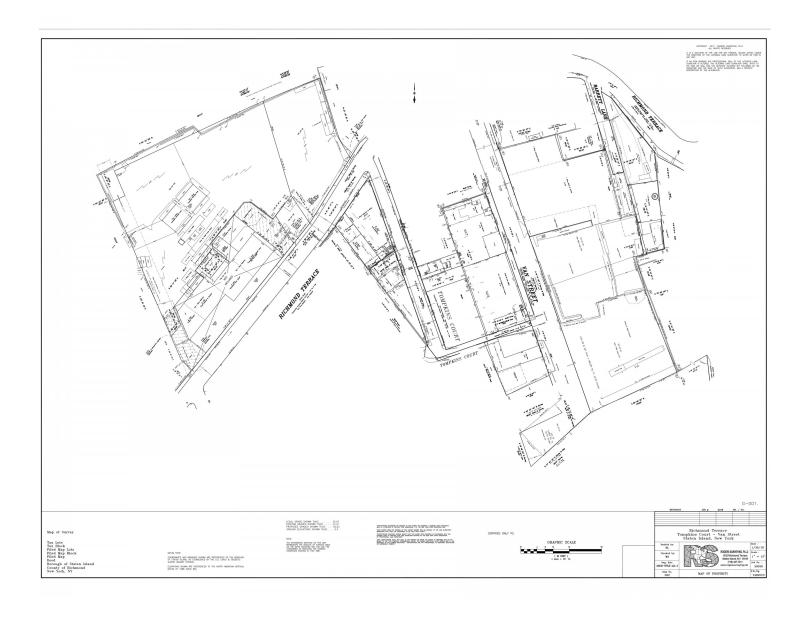


/ = Non-Permitted Additional Lots Also Owned By Same Principal

X = J&J Scrap & Recycle



OVERALL SURVEY





17-25 VAN STREET SUMMARY

Our facility located at 17-25 Van Street is permitted to operate as a C&D transfer station. At this time, we accept material which is defined as waste resulting from construction, remodeling, repair, and demolition of structures, buildings, and roads. This includes wood, land cleaning debris, various grades of plastic, glass, ferrous, and non-ferrous metals. These materials are separated and stored accordingly. The DEC and DSNY permits are held in Stokes Waste Paper Company, Inc.

DEC Permit #2-6401-00001/00009 Valid10.31.17 - 10.30.22

DSNY Permit #132 Valid 4.16.20 - 4.15.21

Through rigorous training and education our employee's identify and reject any material our facility is not permitted to accept. These materials include but are not limited to, asbestos, regulated medical waste, liquid waste, putrescible waste, contaminated general fill, and other hazardous waste. Presently capacity for our site is 850 tons per day with onsite storage of 1,125 cubic yards. Currently we have available capacity to support additional opportunities to service our community and fellow carters. Hours of operation run from 6am - 6pm, Monday - Friday, and 6am - 1pm, Saturday. Through strategic acquisitions we have acquired an additional 9 parcels adjacent to the transfer station and/or the immediate area. These acquisitions have allowed us to mitigate community complaints, traffic and truck queuing issues. The facility currently deploys traditional methods of screening to remove dirt and aggregate, sorting and picking metals, as well as cardboard recyclables. The asset is owned debt free. While we are not under any related financial obligations we keep a close watchful eye on the capital markets. As with any business, subject to a host of external factors that can impact pricing, owning the facility without any mortgage has alleviated some of the pressures that can lead to compromised decisioning as it relates to safety and the environment.

Through our relationship with the J&J recycling facility (entities wholly owned by David Berman) a host of synergies have been created. Presently among other sites we send the materials to:

Steel/Light Iron/Aluminum - J&J Recycling

Mix/Concrete - Mount Material - 100 Pipe Mill Road, Fairless Hills, PA 19067

Dirt - Salem County Landfill - 36 Makillip Road, Alloway, NJ 08001

OCC - Pratt Recycling - 4435 Victory Blvd, Staten Island, NY 10314

C&D - Elk Run - 9679 State Route 7, Rogers, OH 44455

C&D - Lafarge - 6205 Newton Falls Barley Road, Warren OH

C&D - Waste Management - 1000 New Ford Mill Road, Morrisville, PA 19067

In March of 2018 we applied for a permit modification. Some of those modifications include:

Ability to accept single stream MGP for recycling (In anticipation of increased future volumes as we collectively work toward a more sustainable future)

Increase on-site storage capacity to a volume of 6,912 cubic yards (This increased storage is a vital component of the sorting and picking operation. Giving us the ability to identify recycling opportunities that otherwise would have been missed.)

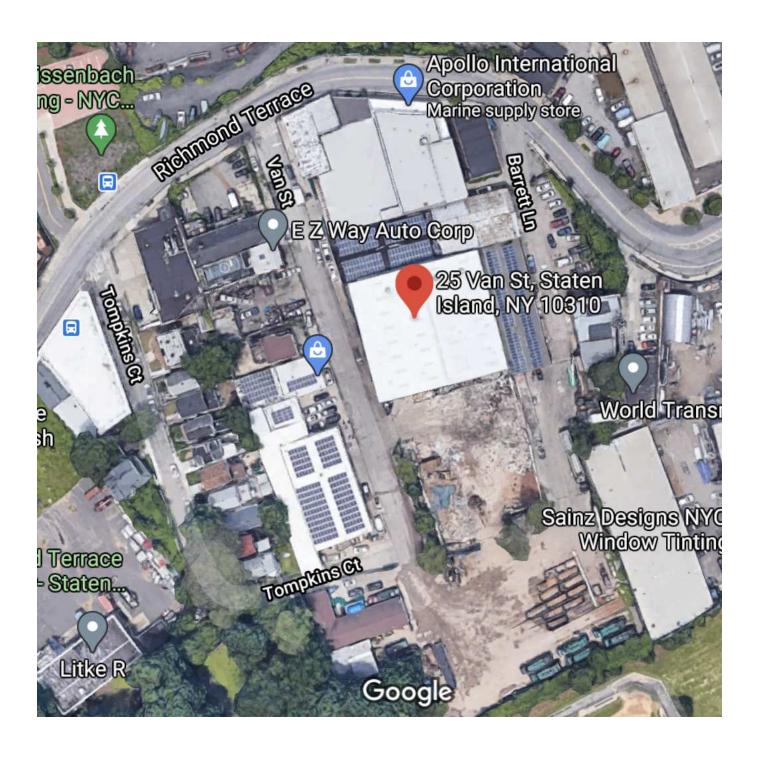
Extending hours of operation to a 24 hour operation (This will allow us to run trucks and tractors at off peak hours significantly increasing consumer safety.)

Introducing new machinery and storage containers (Further optimize green initiatives derived from the increased storage capacity.)

We welcome discussions with DSNY and CWZ awardees. Though we are currently not seeking additional permits beyond the modification, we are open to those discussions and are eager to meet the demands of our community and other awardees.

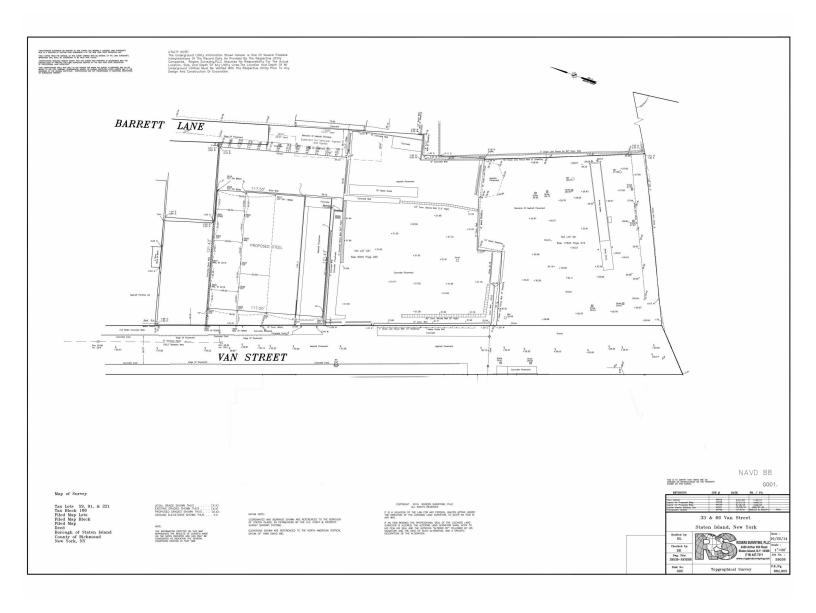


VAN STREET ASSEMBLAGE AERIAL





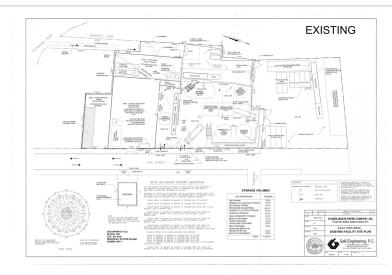
17-25 VAN STREET SURVEY



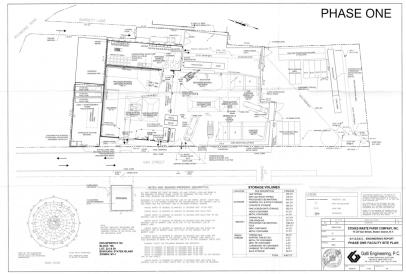


17-25 VAN STREET PROPOSED

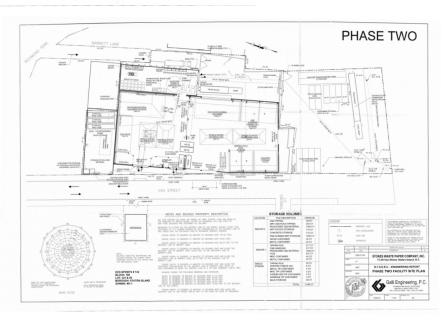
MODIFICATION PHASING PLAN













1641 RICHMOND TERRACE J&J SUMMARY

Our facility is located at 1641 Richmond Terrace. The site is permitted to operate as a full service scrap metal processing facility. Currently we accept both ferrous and non-ferrous metals. We are also the only car crushing operation on Staten Island. Presently we are unable to accept hazardous materials. The facility has available daily capacity to further service community needs. The business is owned by SFC Industries Corp dba J&J Recycling. The facility is operating with the following permits:

Department of Consumer Affairs - #2059633-DCA Scrap processing and second hand dealer license

Department of Motor Vehicles - Facility ID #7122568 Certified as a processor, dealer and dismantler

DEC Net DMR Permit ID #NYR00F930

Current operating hours are Monday - Friday, 8am - 4:30pm, and Saturday, 8am - 2:30pm.

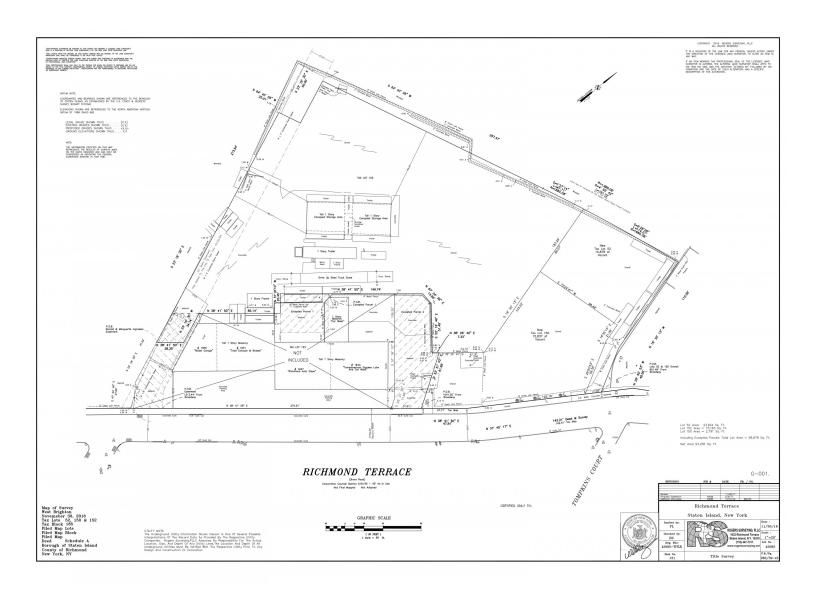
We have created a series of efficiencies on site allowing us to accept a wide range of trucks, tractors, etc. The recycling and sorting of materials are done through the use of excavators, a rubber tire loader, car crusher, and bailer. Additionally, there is extensive hand picking and sorting. The end product commodities currently leave the facility by truck. The commodities are shipped to many beneficial end users including, but not limited to:

Simms Metal Management - 1 Linden Ave E, Jersey City, NJ 07305 Don John Recycling - 160 Richards Ave, Dover, NJ 07801 Complete Recycling - 1500 W Pulasky Highway, Elkton MD 21921

Vertically integrated this facility has resulted in a series of efficiencies. We are able to operate the C&D yard in a far more sustainable manner. While the site is not currently slated for additional permitting, we welcome discussions with DSNY and CWZ awardees.



1641 RICHMOND TERRACE J&J SURVEY





PART 2 OF THE RFP – NYC COMMERCIAL WASTE ZONES APPENDIX E RFEI RESPONSES

Response to Request for Expressed Interest (RFEI)

LIBERTY ASHES INC JAMAICA RECYCLING CORP



JAMAICA RECYCLING, INC.

ENVIRONMENTAL SOLUTIONS TODAY FOR A BETTER TOMORROW

Facility-

94-29 165th Street Jamaica, NY 11433

Billing & Payments-112 Phylis Court Elmont, NY 11003 (516) 222-1230 (718) 526-1465 FAX: (718) 658-3457

JAMAICA RECYCLING CORP.
94-21 16STH STREET
JAMAICA, NY 11435
NYS DEC PERMIT# 2-6307-00126/00001-0

New York City Department of Sanitation Request for Expressions of Interest For Existing and Proposed Transfer, Processing, Beneficial End-Use and Disposal Facilities Related to Commercial Waste Zones

20 pages total



JAMAICA RECYCLING CORP. (CURRENT EXISTING FACILITY OPERATIONS) 94-21 165 Jamaica NY. 11433
Permit # NYSDEC 2-6307-00126/00001-0 718-5261465 516-3546583

4.1 Facility Overview:

- (1) JRC is a New York State Department of conservation permitted facility to handle 1500 yds of MSW, C & D, glass, recyclables and non-hazardous industrial waste.
- (2) Currently the facility is handling glass metal and paper products.
- (3) The facility handles glass, metal cans, and paper products. The facility is restricted to those items mentioned above currently. No contamination is acceptable.
- (4) The available capacity for glass, aluminum and paper are as follows 300 tons per day glass bottles, 125 tons per day aluminum cans, 60 tons per day cardboard and 15 tons per day of plastic.
- (5) Available capacity is as follows: Please see number 4.

4.2 Operations and Processing:

- (1) Hours of our operation are seven days a week 24 hours per day.
- (2) No restrictions to how many trucks per hour facility can handle.
- (3) No restrictions on the size weight or type of truck the facility can handle.
- (4) On site equipment is as follows: Trommel, debagger and bailer, forklifts, conveyor belts and payloader etc.
- (5) The facility does not employ any innovative technologies or systems.
- (6) Should we decide to add an organics processing facility our equipment would be able to process all organics plus.
- (7) Currently we have off take agreements for our sorted commodities.
- (8) Truck loading for short travel to Rail export (Appx. 2.5 miles locally).
- (9) No secondary processing.
- (10) MSW went to Land fills , Incinerators , cogeneration plants.

Recyclables go to mills for repurposing. Organics have not been handled as of yet. (11) Yes the facility has a contingency plan in the event of an emergency.

4.3 Siting:

- (a) Location of facility is 94-21 165street Jamaica Queens NY 11432
- (b) Respondents own 100% of the facility, buildings and land.

4.4 Permitting:

(1) No the facility is not permitted to accept the materials described in section 4.1 by all

federal, state and local authorities. (2) Currently we are in the renewal process with NYSDEC. When that is complete we will have a lock down expiration date. NYSDEC permits are five year permits. (3) Currently the permit is in a modification process. (4) This operating facility is NYSDEC Approved.

- 4.5 Financing:
- (1) JRC is not seeking financing at this time.
- (2) N/A
- (3) The current tip fee (N/A)
- (4) No we will not be excepting outside materials at this time. At such time when franchising becomes clearer we will make the decision to modify the facility permit to except other recyclables, organics and other waste materials.

THE REAL PROPERTY OF THE PARTY	Stephen Bellino Secretary Treasurer	(718) 739-7224 (516) 354-6583 sb@libertyashes.com
	Liberty Ashes Inc. "Through Service We Grow"	www.libertyashes.com
		94-02 150th Street, Jamaica, NY 11435

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Permits, Region 2 47-40 21st Street, Long Island City, NY 11101 P: (718) 482-4997 | F: (718) 482-4975 www.dec.ny.gov

May 14, 2015 By First Class Mail & Email

Mr. Stephen Bellino, Secretary/Treasurer Jamaica Recycling Corp. 94-21 165th Street Jamaica, New York 11432

RE:

NOTICE OF PERMIT RENEWAL

DEC Permit ID: 2-6307-00126/00005 Jamaica Recycling Corp. Facility Location: 94-21 165th Street; Jamaica, New York 11432

Throughput: The facility may receive no more than 1,500 CYD of solid waste as follows: 850 CYD Non-Hazardous Industrial Waste (NHIW) other than Petroleum-Contaminated Soil (PCS) plus 650 CYD Putrescible Solid Waste (PSW) Construction & Demolition (C&D) and PCS; the combined total throughput of PSW and C&D must not exceed 500 CYD; the facility may receive up to 650 CYD PCS.

Storage: 1,000 CY PSW; 55 CY recyclables pulled from PSW; 900 CY C&D; 260 CY recyclables pulled from C&D; and 785 CY NHIW (incl. PCS).

Effective Date:

May 14, 2015

Expiration Date:

May 13, 2020

Dear Mr. Bellino:

This letter confirms that the Permittee's application, received by the Department January 14, 2015 to renew the captioned permit for the above referenced facility, is complete. The captioned permit is hereby renewed, subject to the following cited documents and Special Conditions.

All operation associated with the subject facility must conform to the following documents (including all attachments, permit special conditions, correspondence and appendices), prepared by Kempey Engineering as cited in the Permit Renewal dated July 28, 2010 (copies attached).

Special Condition 37 is modified and reads:

Within 30 days of issuance of this permit renewal, the applicant must submit to the Department an electronic copy of the facility's (Department approved) engineering report, including any Department approved modifications and/or approvals made to this document. This submission should be made in accordance with the "Submission Format" condition identified as Special Condition 38, as follows, in this permit.

Special Condition 38 is modified and reads:

<u>Submission Format</u> - Unless otherwise accepted by the DEC Engineer, the Permittee's submission to the department must conform to the following requirements. Each submission must be a "hard copy" and in duplicate. Each duplicate must be accompanied by an electronic version of the document



in an OCR-PDF format. Engineering Reports should include a sleeve containing a searchable OCR-PDF copy of the report and related documents on a CD. The CD must contain a OCR-PDF file for each separately bound volume of the report, each large-format drawing, and any cover letter. For those documents prepared by a professional engineer, appropriate portions of the document must display the engineer's seal and signature (e.g., the report's cover and the report's large-format drawings). The engineer's seal and signature must be reflected on the applicable OCR-PDF files located on the CD. In addition each OCR-PDF file on the CD should be named to reflect its content (e.g., "Facility Name" Engineering Report, "Site Plan" Drawing No 1, Cover Letter, etc).

Please read and follow all conditions carefully. Provide a full copy of the active permit to all agents, contractors, and employees performing any part of the permitted activities.

The facility is authorized to operate 24 hours a day, seven days a week.

If any portion of these cited documents conflict with any permit provision, the permit provision must govern.

If you are unable to comply with any permit conditions or have a question regarding compliance with a specific requirement, please contact the DMM Environmental Monitor at (718) 482-4996. If you have a question regarding the administration of your permit, please contact Iver Anderson at (718) 482-4062, or email (iver.anderson@dec.ny.gov).

Sincerely,

John F. Cryan

Regional Permit Administrator

Attachments

DEC Permit No./Expiration Date Sign

Cited Permit Mod Updates, Documents & 2005 Active Permit

cc: (by email w/ attachments)

Eugene Kempey, Kempey Engineering

S. Arakhan, DEC Materials Mngmt.

M. Assi DEC Materials Mngmt.

B. McBurnie DEC Materials Mngmt.

I. Anderson, DEC DEP

J. Nehila, DEC OGC

Abas Braimah, DSNY

Steven Brautigam, DSNY

T. Milora, DSNY

File



DEPART	MENT USE ONLY
DEC APPLICATION NO.	
ACTIVITY NUMBER(S)	

Division of Materials Management

APPLICATION FOR A SOLID WASTE MANAGEMENT FACILITY PERMIT

Please read all instructions before completing this application

Reset Form

Please TYPE or PRINT clearly				
,			3. IS APPLICATION FILED BY OR ON BEHALF OF A MUNICIPALITY? Yes 🔀 No	
☐ Initial (New)		Facility Owner	ON BEHALF OF A MONICIPALITY: —	
☐ Subsequent Landfill Stage (New) ☑ Modification ☐ Facility Operator				
4. FACILITY OWNER'S INFORMATION 5. FACILITY OPERATOR'S INFORMATION 6. ENGINEER'S INFORMATION				
Name Jamaica Recycling Corp.	Name EWG Glass Recov	very and Recycle Corp.	Name Eugene G. Kempey, P.E	
Address 94-02 150th Street	Address Post Office Box 3	13005	NY License # 068364 Phone (631) 368-3324	
City Jamaica	City Jamaica		Firm Name Kempey Engineering	
State/Zip NY 11435 Phone (718) 526-1465	State/Zip NY 11431	Phone (718) 739-727	0 Address 4 Brunswick Dr. East Northport, NY 11731	
Email Libertyashes@aol.com	Email eddie@ewgglas	s.com	Email eugene@kempey-engineering.com	
7. FACILITY NAME AND LOCATION (Attack	n USGS Topo Map sho	wing exact locati	on) 8. SITE OWNER'S INFORMATION	
Name Jamaica Recycling Solid Waste Managemen	t Facility		Name See Attached Sheet	
Street 94-21 165th Street			Address	
City/State/Zip Jamaica, New York 11433			City/Town	
Town City of New York	County Queens		State/Zip Phone (516) 354-6583	
Coordinates: NYTME 602057	NYTMN 4506449		Email libertyashes@aol.com	
9. TYPE OF FACILITY (Check all applicable	boxes)		10. NAME(S) OF ALL MUNICIPALITIES SERVED:	
Combustion & Thermal Treatment (362-1)	Navigational Dredge Mat. H'ld	ding & Recovery(361-9)		
C & D Debris Handling & Recovery (361-5)	Nonspecific Facilities (360.17)		New York Tri-State Area	
Composting & Other Organics Processing (361-3)	Recyclables Handling & Recov	very (361-1)		
Household Hazardous Waste Collection (362-4)	Research, Development, and I	Demonstration (360.18)		
Land Application & Associated Storage (361-2)	Transfer (362-3)			
Landfill (363)	Waste Oil (374-2)			
Regulated Medical Waste (365)	Waste Tire Handling & Recove	ery (361-6)		
Mulch Processing (361-4)	Used Cooking Oil & Yellow Gr	ease (361-8)		
Municipal Solid Waste Processing (362-2)				
11. SOLID WASTES ACCEPTED: 12. FACIL				
Identify facility capacity and throughput of each waste type, as applicable Construction and Demolition Debris		a. Facility size propos		
Industrial Waste Petroleum Contaminated Soil		b. Total site area (acr		
Putrescible Solid Waste		c. Landfill only: Facili	ty size ultimately planned (acres)	
Recyclables (glass bottles, aluminum cans, plastic bags, and shrink wrap) See attached sheet for throughput		d. Existing landfill are	ea on this site and adjacent properties (acres)	
e. Landfill only: Ultimate facility height above ground level (feet)				
13. IS A VARIANCE REQUESTED FROM AN Yes No If yes, cite specific provision(s		CRR PART 360?		
14. CERTIFICATION: Corporation	Partnership	Sole Proprietorship	Municipality	
I hereby affirm under penalty of perjury that information provided on this form and attached statements and exhibits was prepared by me or under my supervision and direction and is true to the best of my knowledge and belief, and that I have authority or am authorized as				
to sign this application pursuant to 6 NVCRR Part 36		entity) Jamaica Recycl		
to sign this application pursuant to 6 NYCRR Part 360. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.				
Date 4/3/28 Signat	ture Line	Bein	Print Name STEPHEN BELLIA	

APPLICATION FOR A SOLID WASTE MANAGEMENT FACILITY ITEM 8 SITE OWNERS INFORMATION JAMAICA RECYCLING, INC. /EWG GLASS RECOVERY AND RECYCLE CORP. SITE IDENTIFICATION AND OWNER INFORMATION

According the New York City Department of City Planning, the facility operations for the Jamaica Recycling, Inc. EWG Glass Recovery and Recycle Corp. Solid Waste Management Facility include three sites, which are identified as:

94-36 Merrick Boulevard, Jamaica NY Borough: Queens Block: 10155 Lot: 61 Owner 94-40 Merrick BLVD LLC 112 Phyllis Court Elmont, New York 11003

94-40 Merrick Boulevard, Jamaica NY Borough: Queens Block: 10155 Lot: 63 Owner 94-40 Merrick BLVD LLC 112 Phyllis Court Elmont, New York 11003

94-50 Merrick Boulevard, Jamaica NY Borough: Queens Block: 10155 Lot: 68 Owner Jamaica Properties 112 Phyllis Court Elmont, New York 11003

JAMAICA RECYCLING CORP. RECORD OF COMPLIANCE FORM RESPONSE TO QUESTIONS

Question Number 5

The Jamaica Recycling Corp. has been issued one Solid Waste Management Facility Permit under the Environmental Conservation Law (ECL). This permit is:

Jamaica Recycling Inc. 94-29 165th Street Jamaica, New York 11433 Permit Number 2-6307-00126/00001-0

APPLICATION FOR A SOLID WASTE MANAGEMENT FACILITY ITEM 8 SITE OWNERS INFORMATION JAMAICA RECYCLING, INC. /EWG GLASS RECOVERY AND RECYCLE CORP. SITE IDENTIFICATION AND OWNER INFORMATION

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94-50 Merrick Boulevard, Jamaica NY Borough: Queens Block: 10155 Lot: 68 Owner Jamaica Properties 112 Phyllis Court Elmont, New York 11003

APPLICATION FOR A SOLID WASTE MANAGEMENT FACILITY ITEM 11 WASTE STREAM INFORMATION JAMAICA RECYCLING, INC. /EWG GLASS RECOVERY AND RECYCLE CORP. WASTE STREAM INFORMATION

Jamaica Recycling Corp. and EWG Glass Recovery and Recycle Corp. 94-21 165th Street Industrial Waste, Petroleum Contaminated Soil, and Putrescible Waste Processing, and Construction and Demolition Debris Handling and Recovery and Recyclables Handling and Recovery Facility accepts the following waste streams on a daily basis.

A combined total of 1,500 Cubic Yard per day of Non-Hazardous Industrial Waste (not including Petroleum-Contaminated Soil), Petroleum-Contaminated Soil, Putrescible Solid Waste and Construction and Demolition Debris when receiving these waste streams.

Non-Hazardous Industrial Waste – Maximum 850 Cubic Yard per Day

A maximum combined total of 650 Cubic Yards per day of Petroleum-Contaminated Soil, Putrescible Solid Waste and Construction and Demolition Debris

Petroleum-Contaminated Soil – Maximum 650 Cubic Yards per Day
Putrescible Solid Waste – Maximum 500 Cubic Yards per Day total combined with Construction
and demolition Debris
Construction and Demolition Debris – Maximum 500 per Day total combined with Putrescible

Glass and Aluminum Recycling Facility Glass Bottle – 300 tons per day Aluminum Cans – 125 Tons Per Day Cardboard – 60 Tons Per Day Plastics – 15 Tons Per Day

Solid Waste

The facility may store a maximum of
Putrescible Solid Waste 1,000 Cubic Yard
Recyclables Removed from Putrescible Solid Waste – 55 Cubic Yards
Construction and Demolition Debris - 900 Cubic Yard
Recyclables Removed from Construction and Demolition Debris – 260 Cubic Yard
Non-Hazardous Industrial Waste including Petroleum Contaminated Soil - 785 Cubic yards

Glass and Aluminum Recycling Facility
Glass Bottle – 190 Cubic Yards in the Outdoor Glass Bin
Aluminum Cans – 560 Bales or 1,678 Cubic Yards total combined with Cardboard and Plastics
Cardboard – 560 Bales or 1,678 Cubic Yards total combined with Aluminum Can and Plastics
Plastics – 560 Bales or 1,678 Cubic Yards total combined with Aluminum Can and Cardboard

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

DEPARTMENT USE ONLY

DEC APPLICATION NUMBER

RECORD OF COMPLIANCE—Permit Application Supplement

Please read all instructions on reverse side before completing this application—Please TYPE or PRINT clearly

Todas Toda di mondonono on Tovorco dido Bororo dompicar	g this application—ricase TTL or TTHET disarry
Jamaica Recycling Corp.	
MAILING ADDRESS (Principal Place of Business) Street	NEW YORK STATE MAILING ADDRESS (If different) Street
94-02 150th Street	
City/State/Zip Code	City/State/Zip Code
Jamaica New York 11435	
4. TYPE OF ORGANIZATION Individual Partnership	If other than individual, provide Federal Taxpayer ID Number
Company Corporation Other 5. Does the applicant currently hold any permit issued under the Environment	potal Consequation Law2
Yes No	intal conservation Law:
6. a Has the applicant been denied a permit or has the applicant had a p b Is the applicant currently the subject of an enforcement action under a Yes No b Yes No	ermit revoked or suspended under the Environmental Conservation Law? or the Environmental Conservation Law?
7. If any answer to questions 5, 6(a), or 6(b) is YES, provide details on a se	parate page and attach it to this form. See Attached Sheet
traded stock) of the corporation, within the last ten (10) years, been: a. found in an administrative, civil or criminal proceeding to have violated	director, or large stockholder (owner of 25 percent or more of not publicly- any provision of the Environmental Conservation Law (ECL), any related order suant to the ECL, the condition of any permit issued thereunder, or any similar
was an officer, director or large stockholder—was determined in an adm Environmental Conservation Law (ECL), any related order or determination	publicly-traded stock) of a corporation which—during the time such person ninistrative, civil or criminal proceeding to have violated any provision of the in of the Commissioner, any regulation promulgated pursuant to the ECL, the on, order or permit condition of any other state or federal government agency?
or fraud, bribery, perjury, theft or an offense against public administra	al government agency, which involves environmental statutes or regulations, tion as that term is used in Article 195 of the Penal Law, or an offense invol- 75 of the Penal Law? Out-of-state history may be limited to misdemeanors,
an officer, director or large stockholder—was convicted of a criminal involves environmental statutes or regulations or fraud, bribery, perjunctions	ublicly-traded stock) of a corporation which—during the time such person was all offense under the laws of any state or federal government agency, which are, theft, or an offense against public administration as that term is used in atements as those terms are defined in Article 175 of the Penal Law? Out-of allties assessed at \$25,000 or more.
9. If any answer to question 8a through 8d is YES, provide details on a se	parate page and attach it to this form. No Attachment Required
10. Does the applicant currently owe any regulatory fees pursuant to Artimental Conservation?	cle 72 of the Environmental Conservation Law to the Department of Environ-
Yes, Amount \$No Under	dispute for year(s), amount \$
CERTIFICATION (By Applicant who is an individual) I hereby affirm under penalty of perjury that information provided on the ledge and belief. I am aware that any false statement made herein is punitional.	is form and attached statements and exhibits is true to the best of my know- shable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.
Date Signature	Print Name
	3Y AN APPLICANT OTHER THAN AN INDIVIDUAL 13. STATE 14. DATE OF ORGANIZATION
12. SPECIFY UNDER WHAT LAW APPLICANT WAS ORGANIZED Section 402 New York State Business Corpo	
information provided on this form and attached statements and exhib statement made herein is punishable as a Class misdemeanor of the control	LLY STEPHEN ISECTIONS
Date Signature	Print Name"

DEPARTMENT USE ONLY

DEC APPLICATION NUMBER

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

RECORD OF COMPLIANCE—Permit Application Supplement

Please read all instructions on reverse side before completing this application—Please TYPE or PRINT clearly

FULL NAME OF APPLICANT EWG Glass Recovery and Recycle Corp.		
MAILING ADDRESS (Principal Place of Business) Street	NEW YORK STATE MAILING ADDRESS (If different) Street	
94-21 165th Street	Post Office Box 313005	
City/State/Zip Code	City/State/Zip Code	
Jamaica, NY 11432	Jamaica, NY 11431	
4. TYPE OF ORGANIZATION Individual Partnership	If other than individual, provide Federal Taxpayer ID Number	
Company Corporation Other		
5. Does the applicant currently hold any permit issued under the Environme	ntal Conservation Law?	
6. a Has the applicant been denied a permit or has the applicant had a position been denied a permit or has the applicant had a position been denied a permit or has the applicant had a position been denied a permit or has the applicant had a position been denied a permit or has the applicant had a position been denied a permit or has the applicant had a position been denied a permit or has the applicant had a position been denied a permit or has the applicant had a position been denied a permit or has the applicant had a position been denied a permit or has the applicant had a position been denied a permit or has the applicant had a position been denied a permit or has the applicant had a position been denied a permit or has the applicant had a position been denied as the applicant currently the subject of an enforcement action under a like the applicant currently the subject of an enforcement action under a like the applicant currently the subject of an enforcement action under a like the applicant currently the subject of an enforcement action under a like the applicant currently the subject of an enforcement action under a like the applicant had a position been denied as the applicant had	ermit revoked or suspended under the Environmental Conservation Law? or the Environmental Conservation Law?	
7. If any answer to questions 5, 6(a), or 6(b) is YES, provide details on a sep		
or determination of the Commissioner, any regulation promulgated purs statute, regulation, order or permit condition of any other state or federal Yes	any provision of the Environmental Conservation Law (ECL), any related order uant to the ECL, the condition of any permit issued thereunder, or any similar eral government agency?	
was an officer, director or large stockholder—was determined in an adm Environmental Conservation Law (ECL), any related order or determinatio condition of any permit issued thereunder, or any similar statute, regulation	publicly-traded stock) of a corporation which—during the time such person inistrative, civil or criminal proceeding to have violated any provision of the n of the Commissioner, any regulation promulgated pursuant to the ECL, the on, order or permit condition of any other state or federal government agency?	
or fraud, bribery, perjury, theft or an offense against public administration of false written statements as those terms are defined in Article 1 felonies and civil penalities assessed at \$25,000 or more.	I government agency, which involves environmental statutes or regulations, tion as that term is used in Article 195 of the Penal Law, or an offense invol-75 of the Penal Law? Out-of-state history may be limited to misdemeanors,	
an officer, director or large stockholder—was convicted of a crimina	iblicly-traded stock) of a corporation which—during the time such person was I offense under the laws of any state or federal government agency, which ry, theft, or an offense against public administration as that term is used in Itements as those terms are defined in Article 175 of the Penal Law? Out-of Items assessed at \$25,000 or more.	
	parate page and attach it to this form. No Attachment Required	
10. Does the applicant currently owe any regulatory fees pursuant to Artic mental Conservation?	cle 72 of the Environmental Conservation Law to the Department of Environ-	
Yes, Amount \$No Under o	dispute for year(s), amount \$	
CERTIFICATION (By Applicant who is an individual) I hereby affirm under penalty of perjury that information provided on the ledge and belief. I am aware that any false statement made herein is puni	s form and attached statements and exhibits is true to the best of my know- shable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.	
Date Signature	Print Name BY AN APPLICANT OTHER THAN AN INDIVIDUAL	
	13. STATE 14. DATE OF ORGANIZATION	
12. SPECIFY UNDER WHAT LAW APPLICANT WAS ORGANIZED Section 402 NY State Business Corporation I	ND/ 1 1070	
15. CERTIFICATION (By An Applicant Other Than An Individual)	EWG Glass Recovery	
I hereby affirm under penalty of perjury that I am Preside	plication was prepared by me or under my supervision and direction; and that is is true to the best of my knowledge and belief. I am aware that any false and to Section 210.45 of the Penal Law.	
4/8/20 X/	Edward W. Golebieski III Print Name	
Date Signature	// rint Name	



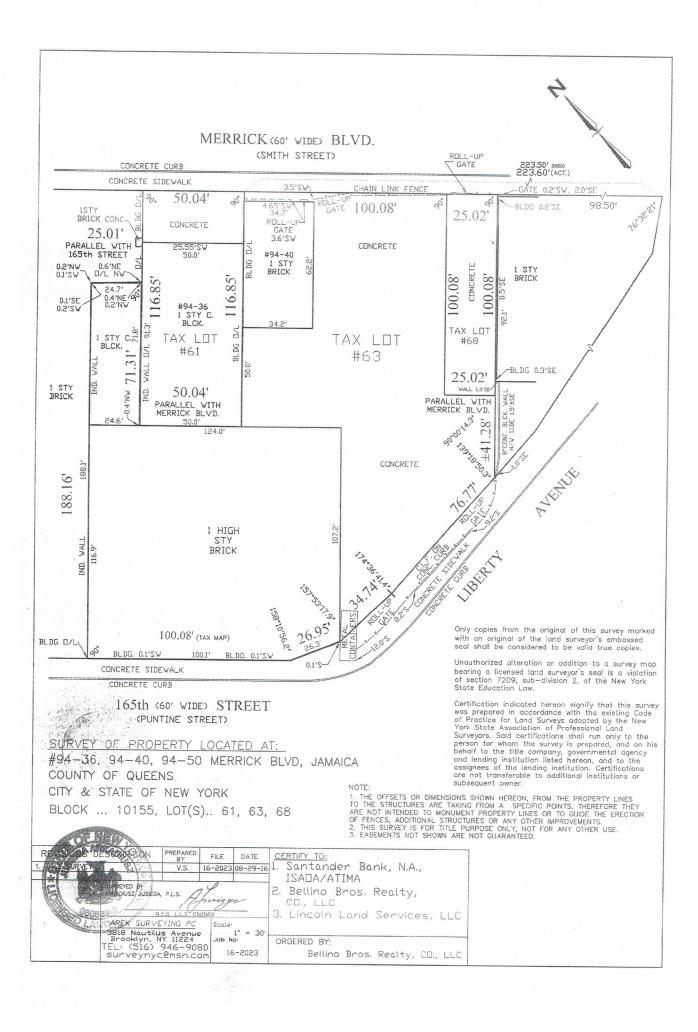
New York State Department of Environmental Conservation

Record of Compliance, Supplemental Information Form

1. Applicant name: Jamaica Recycling Corp.	
2. Facility Address: 94-21 165th Street, Jamaica, New York 11433	
3. Please list all of the owners/partners of the facility that is applying for the permit: (**) Michael Bellino Stephen Bellino	
4. Please list the names of <u>all</u> other companies that are owned or partly owned by the people listed above*. Also list the companies that own or control or are related to the applicant company, all subsidiaries, parent companies, sister companies. Also include addresses and website addresses for these companies. Also include what each listed company does (ex: "solid waste transfer" or "cement plant" or "real estate holding co").	
Liberty Ashes Inc., 94-02 150th Street Jamaica NY 11435 - Carting Company - No Web Site Bellino Equities, 94-02 150th Street Jamaica, New York 11435 - Real Estate Holding Company - No Web Site	
5. Certification by applicant: I certify that the above information is true to the best of my knowledge. I am aware that any false and/or mixleading statements may be subject to prosecution under NYS Penal law.	
Signature Date 4/3/20	
Print Name STEPHEN BELLING	

* if the applicant company is owned by another company, corporation, partnership, association or organization, then the companies that need to be listed are all of the companies owned or controlled by the largest parent organization involved.

^{**} This form is applicable not only to the immediate entity but to any other corporation, partnership, association or organization in which the applicant holds or has held a substantial interest or in which it has acted as a high managerial agent or director or any other individual, corporation, partnership or organization which holds a substantial interest or the position of high managerial agent or director in the applicant.



Made In America Fuel, LLC

94-02 150th Street Jamaica, NY 11435 Tel#- 516-354-6583 Fax#- 516-354-6762

PROPOSED PROJECT FOR THE JAMAICA RECYCLING SITE-94-21 165TH STREET

This technology will convert 90% of all waste into renewable natural gas, which will be sold through National Grids pipeline into the California market. Waste will come into the facility, get weight slip and tip their loads into our owned building which is permitted by the Dept. of Environmental Conservation. (Jamaica Recycling permit included)

Waste will then be put on a conveyor belt where unacceptable waste will be removed.

The remaining waste will go into a gasifier to be converted to methane. After that conversion Methane will be pumped into the National Grids pipeline for sale which is metered on site.

- Executive Summary
- Off Take Agreement Enclosed
- Permit Enclosed for Jamaica Recycling Corp. (JRC)
- Property Survey Enclosed
- Letter of Interest from National Grid
- Greater Jamaica Development Letter of Acceptability

Executive Summary

Made in America Fuel, LLC is a Domestic Liability Company in the State of New York. It was incorporated on May 27th, 2009 as company 3815318.

Made in America Fuel, LLC is owned by Michael Bellino and Stephen Bellino.

Michael and Stephen also own affiliated companies: Liberty Ashes, Inc. [1957] and Jamaica Recycling Corp.

Michael and Stephen have operated Liberty Ashes, Inc. for 45 years. Liberty Ashes operates fifteen vehicles and currently dumps 150 tons of waste per day. They have over 3,000 Customers on contract.

Made in America Fuel, LLC will receive New York City municipal waste from private carters and convert it into Renewable Natural Gas ["RNG"] which will be sold (with an established Off-Take Agreement) into the National Grid Pipeline nearby. Other by-products, like metals, plastic and wool glass slag (made up of inert incombustible materials) will also be sold. The plastics will be sold to a processer with a true end of life solution to plastic waste.

The land site, buildings, sorting and separation equipment, pyrolysis units (gasification without oxygen creating net zero waste), gas clean up equipment, water-gas shift reactors and gas methanization, purification and drying equipment will all be majority owned and controlled by a Made in America Fuel special purpose project company ("Made in America Fuel") at the Jamaica Recycling Corp. land site in the Borough of Queens, New York City.

Made in America Fuel will purchase the equipment from Gen2,LLC/Technotherm headquartered in Wichita, KS. The equipment will be made_and pre-commissioned by Technotherm in S. Africa. It is high tech, proven equipment that is compact and shipped on site inside several containers. A technotherm project has been fully constructed and will be operational in Schenectady, NY by March2021 followed by another where the equipment has been pre-built pre-commissioned and is already on site in Stockton, CA in early summer 2021..

New York City Municipal Waste (residential, commercial and industrial) will be dumped and sorted on site. The plastics and recyclables will be sold and removed from the site. The resultant organic e waste will then be dried in a low-temperature energy efficient dryer and converted to syngas in a high temperature (900°C)

pyrolysis unit. The syngas will pass through a clean-up system and then pass through a water-gas shift converter after which sulphur will be removed. The syngas will then pass through a methanization unit where the molecules will be reformed to be consistent with pipelinequality natural gas. The reformed gas will pass through final purification and densification unit where it will be ready to pass into National Grid's distribution system as clean, pipeline quality RNG with a Btu content of ~ 1084 btu/scf. The process has extremely limited emissions which are treated to meet all requirements prior to passing through a single emissions stack.

This hi-tech advanced process converts the waste to pipeline quality renewable natural gas or RNG, creates no pollution, and only a tiny percentage of inert materialin the form of a glass-like slag (which can be resold).

This 'end-to-end' solution solves many difficult problems faced by New York City and makes money.

Made in America Fuel, LLC and its partner expect to be able to provide all the equity necessary for this ~\$100 million Project. Based on the successful financing and completion of other Gen2/Technotherm projects, it expects to be able to close on its construction financing within six months of securing finalizing the waste supply agreement. While the Project may be able to close a construction loan sooner, it is considering applying for a DOE loan guarantee under the newly revamped DOE loan guarantee program which, effective December 27, 2020 is now, at most, a six-month process. The project expects to be fully operational in approximately 24 months or spring of 2023.

Progress:

- ✓ Utilization of either an existing off-take Agreement with Clean Energy Renewable Fuels, LLC ("the Buyer") in place or an investment grade Mid-Atlantic utility, under negotiation .
- ✓ Waste Dumping permit and survey for Jamaica Recycling Corp. in place.
- ✓ All equipment identified.
- ✓ Full EPC contract in final negotiation.
- ✓ SynGas Permit Modification in process.
- Equity and debt providers identified and are familiar with the equipment.
- ✓ All personal positions identified.

Our current Proforma Estimates point to possible \$265 million in EBITDA from the first ten years of operations. This is due to our source of energy [waste] being a revenue instead of an expense, the efficiency of the waste to renewable natural gas conversion equipment [with built-in redundancy], the need for a viable waste solution for New York_and the growing market for low-carbon RNG.

TERM SHEET

FOR

PURCHASE OF RENEWABLE PIPELINE BIOGAS

FROM DIGESTER GAS PROJECT

BETWEEN

MADE IN AMERICA FUEL, LLC ("SELLER")

AND

CLEAN ENERGY RENEWABLE FUELS, LLC ("BUYER")

JUNE 7, 2018

This Term Sheet is intended to set forth the economic terms and scope of the commercial, financial and other rights and duties with respect to a transaction (the "Transaction") for the purchase and sale of Renewable Biogas, as defined in this Term Sheet, derived from the Project(s) (defined below) in quantities measured in millions of British Thermal Units ("MMBtus") subject to the conditions set forth below. The parties intend that the commercial and economic relationship between them as described in this Term Sheet will govern their relationship with respect to the Transaction and will be set forth in a gas sale agreement (the "Gas Sale Agreement") to be entered into by the parties, including a Base Contract for Purchase and Sale of Gas and related Confirmation based on the North American Energy Standards Board, Inc. ("NAESB") form of agreement with appropriate modifications to reflect the Transaction and the renewable characteristics of the Renewable Biogas. The obligations of the parties to consummate any transaction will be subject in all respects to the preconditions described herein, including the negotiation, execution and delivery of definitive agreements approved by the board of directors or other governing body of each of the parties.

Party or Provision	Terms
Seller	Made In America Fuel, LLC
Buyer	Clean Energy Renewable Fuels, LLC
Renewable Biogas - Defined	"Renewable Biogas" means
	(i) Quantities, measured in MMBtus, of processed biogas that meets the pipeline quality standards for pipeline quality gas

www.nationalgrid.com

nationalgrid

02/12/2021

To Whom It May Concern,

National Grid's Gas Division is aware of the proposed project by Made in America Fuels LLC/Jamaica Recycling to inject biomethane from MSW into the National Grid gas system in Downstate New York. Based on the preliminary information provided to date, the gas team has determined that with additional infrastructure it is feasible for National Grid's system to receive RNG from this facility. No formal agreements are in place at this time and all further review processes will be identified and completed in a reasonable time frame.

Sincerely,

Melissa Mauro

Future of Heat Lead Engineer

Gas Asset Management

Melisse Mauro

cc:

Donald Chahbazpour

Pradheep Kileti



February 12th 2021

To: NYC Dep of Sanitation

To whom it may concern,

Made in America Fuels proposed site at the Jamaica recycling facility is in line with the Mayors zero waste initiative. The program has many benefits both environmental and in direct job creation. As per the project proposal, the end use would employ over 50 workers earning prevailing wages. Those community jobs would be welcome and as such I am in favor of the project.

Thank You,

Aron Kurlander

Director Business Services

PART 2 OF THE RFP – NYC COMMERCIAL WASTE ZONES APPENDIX E RFEI RESPONSES

Response to Request for Expressed Interest (RFEI)

LINDEN RENEWABLE ENERGY, LLC



New York City Department of Sanitation Request for Expressions of Interest For Existing and Proposed Transfer, Processing, Beneficial End-Use and Disposal Facilities Related to Commercial Waste Zones



Responses to 2021 RFEI
RNG Energy Solutions, LLC on behalf of its Project Company,
Linden Renewable Energy, LLC
March 4, 2021





4.1. Facility Overview

1. Provide a description of the facility, including applicable drawings, plans, renderings, maps, or other illustrations.

RNG Energy Solutions ("RNG") is proceeding with the development of the Linden Renewable Energy ("LRE") anaerobic digestion facility (the "LRE Project") located in Linden, NJ. The LRE Project will be located on 21.5 acres of industrial zoned property at 4900 Tremley Point Rd. The LRE Project will have excellent access to major road systems, and its location on the Arthur Kill River provides the capacity to receive processed organic waste by barge from NYC. The Site owner is nearing completion on construction of a new bulkhead along the River. RNG has progressed the LRE Project development phase with having secured all but one remaining permit. We have secured the City of Linden Site Plan and Subdivision Plan approval, the County Amendment to the Solid Waste Plan and nearing completion on securing all the NJ DEP permits as well. RNG has also secured a Payment In Lieu of Taxes ("PILOT") Agreement with the City of Linden evidencing its strong support for this renewable and sustainable project. RNG is proceeding with a Private Activity Bond ("PAB") financing, and the New Jersey Economic Development Authority has agreed to be the conduit issuer of the PAB Bonds. Citi Group will be the bond underwriter and the Project has secured an equity commitment as well. We are currently scheduled to release the AD Project for construction on June 1st of this year.



LRE Plant Site on Tremley Point Road in the City of Linden, Union County, New Jersey

LRE's feedstock procurement program is structured around a hub and spoke concept. The critical strategic component to this structure is the location and operation of multiple Tiger De-packaging units. RNG installed and operated the first Tiger Depackaging system in North America at another AD project site and gained considerable experience and confidence in this systems capacity to effectively and efficiently process



packaged organic waste. RNG will be locating and operating a depackaging system in each of the NYC boroughs except for Manhattan. We will also be locating and operating several systems in Central and Northern New Jersey. RNG is working with the largest waste collection operators in both NYC and NJ to secure the commercial arrangements, secure the permits and financing to create the feedstock processing requirements for the AD Project. The Tiger depackaging sites and their locational diversity within each Borough provides an optimum solution for managing diverted organic waste with the least



truck traffic disruption and related emissions. The multiple depackaging systems will be available to receive diverted organic waste from multiple haulers/collection sources. The diverted organic waste will then be processed and devoid of any consumer packaging and converted to a pumpable slurry. This will then be trucked or barged to the AD project as a digester viable slurry. These depackaging facilities we be available to provide depackaging services to the diverted organic residential waste collected by the DSNY as well.

This feedstock procurement strategy provides the most efficient and optimized means of capturing the largest fraction of the available packaged waste and converting into a viable slurry with the lowest carbon impact and related costs.

2. What material stream(s) does the facility accept?

RNG has received a Notice of Administrative Completeness for our Class C Recycling facility, the LRE Project solid waste permit. We expect to be receiving the final approved Class C permit by no-later than the end of March. This permit will allow the LRE Project to receive the following (as extracted from the Draft Permit):



The following Class C recyclable materials may be received and processed at this recycling center as authorized in this general approval: Pre-processed source separated organic (SSO) waste and organic substrate including, but not limited to, fats, oils, grease (FOG), dissolved air flotation waste (DAF), preconsumer and post-consumer food waste, food processing residuals, residential and commercial sourced SSO, restaurant organic waste, food manufacturing and seafood product preparation waste, agricultural waste, farm waste products, corrugated paper and cardboard, cardboard trays, and serving systems, seed sludge (at startup only), and other organic waste streams as stated in Section 2.5 of the Application of Record, last revised October 2020. [N.J.A.C. 7:26A- 3.5(e)1]



3. What are the restrictions on inbound material, if any (allowable contamination, prohibited materials, delivery specifications, etc.

Depackaging facilities located at existing transfer stations will be allowed to receive and process source separated organics ("SSO") both including consumer packaging and SSO that does not have or include consumer packaging.

4. What is the available capacity/permitted capacity of the facility?

Our Tiger depacking Project locations will all have adequate permitted capacity for the planned inbound organics volume. RNG will be procuring Tiger depackaging units with a design capacity to process 40 tons per hour. Assuming a process rate of 35 tons per hour during a one 8-hour shift, then the typical location would process 280 tons, or more if additional shifts were added. In some cases, we anticipate minor permit modifications may be necessary to volumetrically reallocate organics and SSOW designations to the MSW aggregate permitted tons at individual transfer station locations to maintain the necessary balance.



5. Taking into account your existing commitments to carters or other generators, under normal operating conditions do you have available daily capacity or do you operate close to permit limits on a regular basis?

For the Tiger depackaging locations we are pursuing, each location has adequate capacity to handle of expected volumes. In most cases, we intend to modify the permit and operating plan to emphasize organics and shift away from MSW within existing permitted capacity. In other situations, we are considering permit modifications that would convert the entire permit to and organics only facility (OOF) and may request tonnage increases.

6. For proposed facilities, what is the project timeline?

For the Tiger depackaging facilities, we are actively working on establishing the appropriate contract relationships for each transfer station location/option we are considering. We anticipate that some or all of the Tiger depackaging infrastructure will come on-line well in advance of the Linden plant's commissioning date.

LRE Facility: With permits completed on or about 3/30/21 along with approval from the NJ EDA of the project's private activity bonds in April, RNG Energy expects to conclude Project Financing in May 2021 and release the EPC contractor 6/1/21. For the 19-month EPC contract phase, we anticipate 16 months for construction activities followed by a start-up, testing, and commissioning period of just over three months.

4.2. Operations and Processing -

1. What are the operating hours of the facility?

Each Tiger depackaging facility may have slightly different operating hours as designated by the permit and customer need.



The LRE Project will be capable of receiving the pre-processed organic waste on a 24-hour 7-day a week basis. This provides a flexible, efficient and optimized delivery and receiving capacity.

2. Are there restrictions on how many trucks per hour the facility can handle?

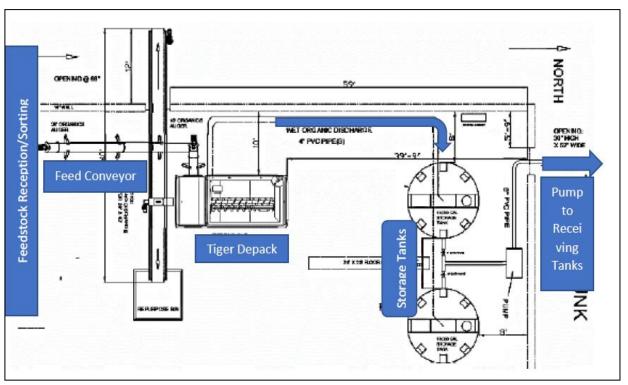
Each Tiger depackaging facility will operate within their permitted capacity and truck traffic specifications. The percentage of MSW and Organics volumes may shift over time, but will stay within the approved conditions and in some cases reduce the frequency of truck traffic.

The LRE Project has been designed to receive multiple trucks each hour. The receiving systems are designed to accommodate 4 trucks at once with fast discharge pumping apparatus providing the capacity to receive 16 trucks per hour.

3. Are there restrictions on the size, weight or type of trucks the facility can handle?

Any current restrictions that exist with each potential Tiger depackaging facility has been contemplated and are comfortably within our operating parameters in the future.

4. Describe the equipment, machinery, process and/or technology used to handle or process waste.



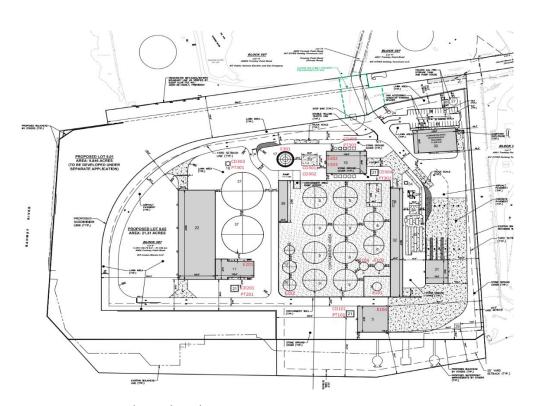
Representative Tiger Depack Facility Schematic

Food Waste De-Packaging: The organic SSO food waste requiring processing will be weighed in and delivered to an on-site depackaging and processing facility. The depackaging process will be located in an enclosed structure with proper lighting, ventilation and odor controls. The process will consist of a feedstock receiving and sorting area, depackaging feed conveyor, Tiger Depack or similar depackaging equipment, process piping and feedstock product storage tanks. The food waste slurry produced by the process will be pumped from the storage tanks to the feedstock receiving tanks.



LRE GENERAL PROJECT DESCRIPTION/MAJOR PROJECT COMPONENTS

The LRE Project is an organic waste anaerobic digester (AD) facility which will use food waste and other processed organic material to produce Renewable Natural Gas (RNG) and commercial grade digested solids, similar to peat moss/finished compost, for use as a soil amendment. The Project will be designed to process approximately 450,000 tons per year of diverted organic waste. In addition, the facility will receive fats, oils, and grease (FOG). This represents an average daily processing rate of approximately 1,100 to 1,250 tons per day (TPD) of diverted organic waste and 150 to 300 TPD of FOG (equivalent to a combined 400,000 gallons per day). (gpd) of low solids organic waste).



LRE Site Layout with Truck and Barge Access

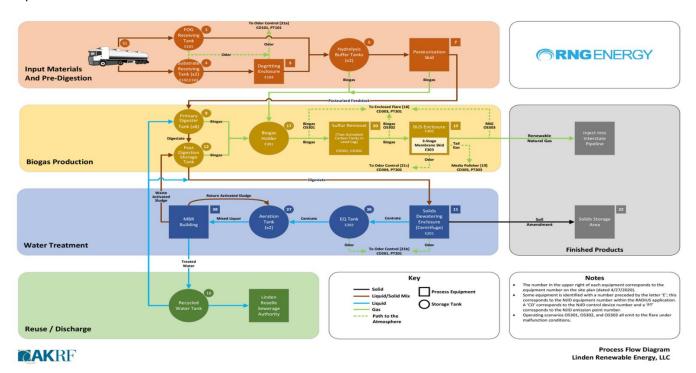
RENEWABLE NATURAL GAS PRODUCTION

LRE will use eight (8) 1.43-million-gallon advanced anaerobic digesters (i.e., bio-reactors) to convert the organic waste feed stock into RNG. Raw biomethane produced by the anaerobic digesters will be converted into pipeline quality gas via a Biogas Upgrading System the LRE Project will produce a total of approximately 3,085 dekatherms of RNG per day. This is the energy equivalent of 26,315 gallons of gasoline per day. The RNG produced by the LRE Project will be injected into the Spectra/TETCO interstate pipeline which is located less than a mile north of the site along Tremley Point Road. The majority of the RNG pipeline route will be along Tremley Point Road, which is a privately owned road over which Linden Marine and LRE have control and use rights



DIGESTED SOLIDS – SOIL AMENDMENT PRODUCTION

The Facility is designed to produce approximately 240 – 300 cubic yards per day of commercial grade digested solids. The digested solids have properties similar to peat moss and will be marketed for use as a soil amendment. The Facility is expected to maintain up to 10,000 cubic yards of covered on-site inventory at any given time (representing roughly 30 days of production capacity). The soil amendment is planned to be sold as a soil amendment, which will include bulk sales to agro-products businesses. Digested solids will be stored and managed inside the open ended covered finished compost enclosure located adjacent to the digested solids separation enclosure.



LRE Process Flow Diagram



5. Does the facility employ any innovative technologies or systems?

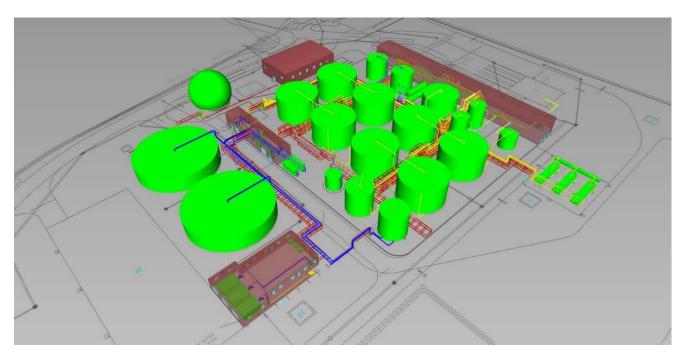
The Depackaging Program deploys state-of-the-art food waste depackaging technology – the Tiger HS 90 from Cesaro



Tiger HS 90 Technology Features and Improved Performance

The LRE Project uses advanced anaerobic digester technology provided from SUEZ Water Technology with sequential gas mixing rather than conventional side mounted and vertical mixers to more efficiently mix the food waste in the main AD tanks using compressed raw biogas. Additionally, the project deploys aerobic membrane bioreactors for removal of ammonia from food waste liquid digestate in the biological reactor stage and then ultrafiltration to reduce suspended solids and waste loading (TSS, BOD, and COD) from the effluent to discharge to the Linden Roselle Sewerage Authority under an industrial pretreatment permit or recycling to the head end of the plant for industrial wastewater reuse. LRE also proposes to use high-efficiency centrifuges for recovery of digested solids to be used at offsite soil processing and soil management operations as well as for soil amendments. Additionally, LRE will use a 3.6 MW Bloom Energy fuel cell power island to be certified as a FERC qualified facility (QF) facility. The Bloom Energy system will provide emissions free power further optimizing the LRE Project's extremely favorable environmental profile.





LRE 3D Modeling for Systems Optimization

6. If you are listing an organics processing facility—compost and anaerobic or aerobic digestors—provide a list of organic material that you do not accept for processing.

Please see the response to 4.1. Facility Overview #2 above for the list of materials that the LRE Project can receive.

7. Does the Respondent have offtake agreements for sorted commodities or finished products?

Depackaging Systems: Each Depackaging Facility will have a customized collection system for consumer packaging material where plastics, paper and tin will be segregated for subsequent sale to third parties.

LRE Project: Yes, the LRE Project has secured a long-term contract for the sale of the RNG produced. The Purchaser of the RNG will then convert this to renewable hydrogen, a unique and valuable product commodity in today's renewable energy industry. The LRE Project has also secured a contract for the management, processing and marketing of the Digested Solids material.

8. What form of transportation or export is used for material leaving the facility

The processed material produced by the Depackaging facilities will be transported to the LRE Project by either tanker truck or barge. The final decision on which alternative will be used is based on cost and carbon intensity.

The renewable natural gas produced at the LRE's project will be injected directly into the TETCO interstate natural gas pipeline less than 4,000 feet from the site. All of the Digested Solids will be transported by truck to the soils management operations.

9. What secondary processors does the facility use, if any?

There is no secondary processing of any product at either the LRE Project or the Depackaging Facilities.



10. If your facility is a transfer station, what disposal facilities have you used in the past (please separate by material type – refuse, recyclables, and organics.

We cannot answer this question in the context of what was done previously because we were never owner/operators of transfer stations. We can however, answer this in the context of what we believe will occur moving forward.

The regulations and mandated diversion of organic waste in NYC will result in a whole new operating paradigm. First, we believe that a larger volume of organic waste will be processed and available for a digester project. Second the determination of where this diverted organic waste goes will be heavily influenced by cost but also by carbon reduction results. None of the previous outlets for organic waste can compete with the costs and carbon reduction benefits of a well-designed regional AD Project solution. Our prospective regional waste collection and transfer station operators seek the services we can provide because they are unique in terms of meeting the goals and objectives of this DSNY plan.

11. Does the facility have contingency plans in case of emergency or disruption?

RNG is developing multiple regional depackaging facilities which will provide a natural de-risking service in the scenario where a single depackaging facility is out of service. The waste originally designed to be delivered to a transfer station that is not in service will simply be re-directed to a Depackaging Facility that is in service. The multiple systems redundancy is the most effective and low-cost strategy for managing outage risk.

4.3. Siting

1. For existing facilities:

a. Where is the facility located?

As previously noted, we will have multiple depackaging facilities located within the City of New York and New Jersey with easy access from all Borough's.

As defined above, the LRE Project will be located in Linden, NJ. The LRE Project location is 1,400' from Staten Island. This proximity provides for an efficient, low carbon processing destination and solution for all the processed organic waste. Furthermore, the use of barging of the waste from NYC locations is the ultimate low carbon and low-cost transportation solution. This will further decrease the total truck miles on NYC streets.

b. Does the Respondent currently control, through lease or ownership, the site on which the facility is located? If so, what are the terms of such control?

The Depackaging Facilities: RNG is currently negotiating multiple Depackaging Project Co-Location agreements with five separate waste hauling and collecting companies. We are focused on four separate locations in NYC and three separate locations in NJ

LRE Project: The LRE Project has secured full site control under a long-term lease, as follows LRE has executed a lease agreement with Linden Marine to develop the Project. Linden Marine is presently remediating the Site under the Industrial Site Recovery Act (ISRA) process pursuant to a Remedial Action Work Plan approved by the New Jersey Department of Environmental Protection (NJDEP). Site grades have been raised approximately 7 to 8 feet by Linden Marine with fill material tested and approved in accordance with an NJDEP Alternative



Fill Protocol for the Site. The Site elevation process is nearing completion with this final element of the Site remediation program being coordinated directly with the NJDEP by the landowner, Linden Marine, LLC. The site is owned by Linden Marine, a subsidiary of Clayton Industries.

2. For proposed facilities:

a. Are there one or more sites currently under consideration? Where?

Depackaging Facilities: We are pursuing 11 optimum locations for the development, construction and operation of the depackaging infrastructure. Three of these locations are in New Jersey, within close proximity (20 miles) of New York City and the Linden site. Three locations are in Queens, 3 locations are in Brooklyn, one location is in the Bronx and one location is on Staten Island.

LRE Project: As previously confirmed above, the LRE Project is located at 4900 Tremley Point Rd., construction is expected to start on June 1st.

b. Does the Respondent currently control, through lease or ownership, any of the proposed sites?

Tiger depackaging Locations: LRE is in the process of securing lease and/or purchase agreements for the locations we have targeted.

LRE Project location/site, please see response to 4.3.1.b

c. Is the Respondent seeking additional potential sites for the proposed facility?

Depackaging Facilities: We are currently pursuing specific, strategically located co-location sites for the Depackaging Facilities.

d. What stage of the process are you in: site selection and control; regulatory approvals; seeking financing; seeking construction permits; under construction; testing facility equipment and operations; currently operating at partial or full operating capacity. See more detailed questions below for each stage of development.

Depackaging Facilities: RNG has selected all the locations for the permitting, development and construction of the Depackaging Units. Some of the transfer stations already possess the permits necessary for construction and operation of the Depackaging systems. Some will require new permits. One already has the depackaging system installed. All the transfer stations where we will co-locate Depackaging Units have active permits that allow for MSW or organics to be delivered.

LRE Project: As described in 4.6 Schedule above, the LRE Project will receive all of its development phase permits by 3/30/21, financing by late May, and release of the EPC contractor 6/1/21. Start-up and commissioning will occur in Q4 2022.

e. What type of state and local authorization would the facility necessitate and what is the timeline and status of obtaining those approvals?

Depackaging Units: the New York State Department of Environmental Conservation and the New Jersey Department of Environmental Protection are the primary regulatory agencies that would review permits of this type. In addition, local governments and authorities often have additional jurisdiction. As indicated above, certain Transfer Stations either have permits that allow for the installation and operation of Depackaging Facilities or already have Depackaging Systems deployed. For those Transfer Stations that either



have no existing Depackaging Facilities or the requisite permits, we will need to modify and or amend the existing solid waste permits to accommodate a new Depackaging System.

LRE Project: As discussed above, the LRE Project— will have all of its required permits from the City of Linden, the County and the NJ DEP by the end of March. We are well on our way to completing the financing as well and expect to release the Engineering, Procurement and Construction provider on June 1st.

f. What are the site criteria for the proposed facility (zoning requirements, proximity to other uses, size, access to rail/navigable waterways, height minimums, etc.)?

Depackaging Units: The primary criteria we require for the development and construction of Depackaging Units is that it be an existing permitted and operating transfer station. We have also focused on strategically locating the Depackaging Systems to optimize trucking logistics and reduce carbon emission.

LRE Project: see response above.

g. Has the respondent conducted any community or public engagement regarding the proposed facility? Depackaging Facilities: For the Depackaging Facility locations, there has been no community of public engagement on the part of LRE, although each of those facilities are visible and active within their respective communities.

LRE Project: The LRE Project Team has implemented extensive public outreach programs within the City and State. The evidence of our success with these programs can be seen in the extensive support the LRE Project has within the City of Linden and the State permitting agencies.

4.4. Permitting

1. Is the facility permitted to accept the materials described in section 4.1 by all applicable federal, state and local authorities?

Depackaging Facilities: As confirmed above, the targeted Depackaging Facility locations have the requisite permitting in place to receive both MSW and Organics. Minor modifications may need to be sought to add the Depackaging equipment to the Permit; specifically, each locations Operations and Management Plan.

LRE Project: The LRE Project has received a Notice of Administrative Completeness for our Class C Recycling facility, the LRE Project solid waste permit. We expect to be receiving the final approved Class C permit by nolater than the end of March. This permit defines the waste that the Project can receive and that waste stream is defined in our response above.

The LRE facility is receiving or has received all of its permits and approvals required for construction and operation of the Project. The table below provides an identification of the major environmental permits and approvals required to support financial closing of the Project and formal issuance of a notice to proceed with an Engineering, Procurement and Construction (EPC) contractor. Additional permits, such as building permits, will also be required to allow for facility construction, operation and maintenance of the Project.



Permits required for the LRE project:

1				
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FAA Determination of No Hazard

US Coast Guard Office of Homeland Security Consultation

US Fish and Wildlife Service Consultation

NOAA National Marine Fisheries Service Consultation

US Army Corps of Engineers, Nationwide Permit #7

State of New Jersey

NJDEP Waterfront Development Permit (modification to Linden Marine, LLC Permit)

NJDEP 401 Water Quality Certification

NJDEP Water Quality Management Plan Consistency

NJDEP Flood Hazard Area Individual Permit

NJDEP Flood Hazard Area Verification

Tidelands License /Grant application (if needed)

NJDEP DF&W - Natural Heritage Program Consultation

NJ State Historic Preservation Determination

NJDEP Division of Solid and Hazardous Waste - Class C Approval

NJDEP State Subchapter 8 Air Permit

NJDEP Division of Water Quality NJPDES Surface Water Discharge Permit

NJDEP Bureau of Non-Point Pollution Control NJPDES RFA and SWPP Plan

NJDEP Division of Water Quality, Treatment Works Approval

Union County

Union County Planning Board

Union County Utilities Authority - Inclusion of LRE Facility into Union County SWM Plan and Union

County Board of Chosen Freeholders Approval

New Jersey American Potable Water Main Extension

Somerset-Union County Soil Conservation District Soil Erosion and Sedimentation Control Plan

Linden-Roselle Sewer Authority Non-Domestic Wastewater Discharge Permit

City of Linden

City of Linden Preliminary/Final Land Development approval from Town Planning Board

City of Linden Redevelopment Plan Approval

City of Linden Subdivision Approval

Summary

of Anticipated Construction Permits and Approvals

Federal

FAA Notice of Proposed Construction or Alternation for Temporary Construction Cranes

State

NJDEP Stormwater Pollution Prevention Plan (SWPPP)

NJDEP Potable Water Line Extension Permit

NJDEP Treatment Works Approval

NJDEP Physical Connection and Cross Connection Permit (Backflow Preventer Permit)

Local

New Jersey American Water - Water Main Extension Permit

City of Linden Approval for Temporary Development Facilities (i.e., construction trailers; construction cranes; signs, etc.)

NJ Department of Community Affairs (NJDCA) Bureau of Construction Project Review Construction Plan Approval (for Primary Development Facilities)

NJ Department of Community Affairs (NJDCA) Bureau of Construction Project Review Certificate of Occupancy (CO)



2. When do the current applicable permits expire?

Response: a majority of the LRE Facility permits have a five (5) year period until required renewal, which is customary for facilities of this type involving industrial pre-treatment wastewater discharge, air, and stormwater.

3. Are there any anticipated changes to permitted capacity or other permit conditions?

Depackaging Facilities: see responses above.

LRE Project: there are no anticipated changes to permitted capacity or other permit conditions

4. For facilities that are not yet permitted, what steps are necessary to receive such permits?

Depackaging Facilities: See answers above.

LRE Project: see responses above.

4.5. Financing-

1. For proposed facilities or modified facilities, what is the current status of financing? Is the developer seeking financing partners?

The LRE Project is currently in its final permitting phase and into the Project Finance Phase. The LRE Project filed an extensive application with the NJ Economic Development Authority. This application was approved during its monthly Board Meeting in January. We have been initially approved for up to \$195 million in bonding capacity. The final NJ EDA Board approval is expected on April 14th. We have executed an agreement with CitiGroup who will be the Bond Underwriter. In addition, the LRE Project has secured a commitment for up to \$95 million in equity capital to fund the equity requirements. Additionally, numerous related activities are ongoing including work being conducted by the Independent Engineer necessary to support the financing.

2. Is financing contingent on achieving minimum throughput commitments? If so, what is the minimum throughput for financial viability?

The agreements under negotiations with the counter parties that are sourcing the diverted organic waste to the Depackaging facilities do NOT have minimum volume requirements.

Like most capital projects, the Linden project has a financial model that generates expected returns based on a number of variables. While tip fees are of significant importance, there are other revenue streams associated with the project such as the contracted sale of renewable natural gas and digested solids. That being said, the project seeks approximately 1250 tons per day of inbound material consisting of food scraps, other industrial organic and food waste and fats, oil and greases. We are acutely aware of the magnitude of the plant's appetite.

The LRE team would like to engage directly with the DSNY to explore areas where additional feedstock might be harvested. Specifically, we think that significant opportunities exist in the residential waste stream.

The LRE team's position is, respectfully, that the complexity and many challenges one would face in designing a program to efficiently extract a meaningful portion of the organic fraction from the New York City residential waste stream is simply worth the effort. Spending the time and energy to mine the waste stream and extract the most beneficial materials to create renewable fuels must be a part of the City's effort to reaching Net Zero waste. The brown bin collection program was certainly a step in the right direction. We



think that other steps could be taken to make source separation is easier which would improve compliance and reduce contamination. Finally, we think that there are a number of post-collection technologies and advanced material handling systems that could be efficiently deployed under a public-private partnership model. Ultimately the goal is to reduce waste being sent to landfills, and reuse that material in the best possible way; to produce renewable natural gas.

3. What is the current or projected tip fee at the facility? Is the tip fee contingent upon market conditions or other factors?

We have developed a broad waste management program consisting of a hub and spoke structure that can provide both the depackaging function combined with a final processed waste management solution through a highly efficient project design that results in the waste management service being provided at a highly competitive price. This price includes the attendant environmental attributes of extremely attractive Carbon Index scoring from the LRE Project, low carbon transportation solutions and on-site emissions free power generation using Bloom Energy fuel cells.

4. Is the respondent willing to enter into agreements to accept material from CWZ awardees? If so, are there any restrictions on the terms of those agreements?

Yes, we look forward to working with a broad cross section of the waste collection/waste hauling industry in NYC. The general terms and conditions defining the services we will provide will be negotiated on a case-by-case basis.

5. Submission Requirements

5.1. Content

OWNER/OPERATOR INFORMATION

Facility Name: Linden Renewable Energy

Owner/Operator Name: Linden Renewable Energy, LLC, a wholly owned subsidiary of RNG Energy

Solutions, LLC.

Business Mailing Address: Linden Renewable Energy, LLC

c/o RNG Energy Solutions, LLC

163 North Shore Road Hampton, NH 03842

Facility Contact: James S. Potter
Title: President/Member
Phone: (603) 475-5914

Email: jim.potter@rngenergysolutions.com

FACILITY LOCATION INFORMATION

Facility Address: 4900 Tremley Point Road, Union County, Linden, NJ 07036

Block: 587 Lot No.: 8.02

Property Owner: Linden Marine, LLC

Mailing Address: 1355 Campus Parkway, Neptune, NJ 07753



Summary of Respondent's background and experience related to waste management.

RNG Energy develops, finances, owns, and manages the operations of state-of-the-art anaerobic digester projects that produce renewable natural gas in North America. As the successor company to AgEnergy USA, RNG brings three decades of conventional and alternative energy development experience in the agricultural, urban, and industrial business environments. Most notably, AgEnergy USA was formed in 2010 and completed the development of the Heartland Biogas Project, which is the largest co-digestion anaerobic digester project in the world. RNG Energy Solutions, LLC was formed in 2018 as the successor to AgEnergy USA, LLC. The RNG Energy team has over 100 combined years of related industry experience. Our work developing complex energy infrastructure projects includes permitting, preliminary design, financing, construction management, operations, and asset management of the LRE AD project. For additional information: www.rngenergysolutions.com.

RNG Energy has direct experience in food processing waste involving the Tiger Depackaging facility from its development, start-up, and ownership interests in the Heartland Biogas Project in Weld County, CO (Greeley Area) identified above, more particularly with high strength and complex protein/carbohydrate organic wastes and depackaging. RNG Energy also has specialized knowledge of public-private partnerships, optimizing municipal ownership and private sector investment in new or rehabilitated capital infrastructure. Our hands-on experience with natural gas companies involving integration of upgraded biogas to renewable natural gas specifications as well as RNG contracting best practices makes our team a natural fit for proposing and implementing the Depackaging Program and the LRE Project. Additionally, our experience and collaboration with local/regional/national engineering and construction partners results in an EPC delivery team committed to price certainty and on-schedule delivery. Moreover, our familiarity with bond finance covenants and Private Activity Bonds allows us to work well with a variety of equity ownership and debt structures. Finally, we have a deep respect for community stakeholder engagement and pay particular care to the elimination of odor potential and trucking impacts to the local community.

Specific to waste management in the New York/ New Jersey Metropolitan Region, Rich Serio has been part of the active development of depackaging program and transportation logistics. Mr. Serio is currently a Senior Advisor for RNG Energy Solutions. Rich also serves as Senior Advisor to Corporate Fuel, a NY-based Investment Bank and Advisory firm. In addition to his role with RNG, Rich has an independent Consulting firm and serves as a senior-level advisor to several clients in the environmental services and waste sectors. Included amongst those assignments are a greenfield landfill development project, 2 landfill acquisition projects, multiple mixed waste processing transfer stations and several energy infrastructure development projects focused on extracting value from waste. Included in that portfolio are an MSW to diesel project in the Caribbean, an MSW to plastics pyrolysis project in PA, a dairy manure to RNG AD project in the upper Midwest, a large farm-based dairy, swine and hemp AD project in Indiana and 3 urban anaerobic digesters that will produce renewable natural gas and sustainably manage large volumes of organic waste. Rich has deep experience in facility and landfill operations and feedstock sourcing.

Mr. Serio's career has spanned over 30 years of diverse business experience. Before joining RNG Energy Solutions, he led a large private equity firm's Waste Management strategy, from capital raise to business development and subsequent acquisition and integration of portfolio companies in the non-hazardous solid waste management industry.

Previously, Mr. Serio served as a Vice President at Covanta Energy, a New Jersey-based corporation that owns and operates more than 40 waste-to-energy facilities. Before Covanta, he held the role of Area President at Republic Services, where he managed all facets of Republic's business in the New York and New Jersey area. Mr. Serio also served as Market Vice President at Interstate Waste and Progressive Waste Solutions, where he was responsible for operations and sales in the NY State and the Greater NYC Metro area.

PART 2 OF THE RFP – NYC COMMERCIAL WASTE ZONES APPENDIX E RFEI RESPONSES

Response to Request for Expressed Interest (RFEI)

METROPOLITAN PAPER RECYCLING

Metropolitan Recycling

Commercial Waste Zone Implementation

Response to RFEI for Existing and Proposed Transfer, Processing, Beneficial End-Use and Disposal Facilities Related to Commercial Waste Zones







Respondent Information

Company Name: Metropolitan Paper Recycling (d/b/a Metropolitan Recycling)

Contact Name: Greg Bianco **Title:** President and CEO

Business Address: 847 Shepherd Avenue, Brooklyn NY 11208

Telephone: 718-257-8584
Email: gbianco@mprnyc.com

Headquartered in East New York, Metropolitan Recycling is one of New York City's leading privately-owned providers of commercial waste removal and paper recycling. Metropolitan was founded in 2002 and is licensed by the NYC Business Integrity Commission (License #1431). The company is 100% owned by President and CEO Greg Bianco, a veteran of the NYC waste management industry. Metropolitan was founded as a paper recycling firm and maintains deep expertise in recycling today. Since its inception, it has recycled over 3 million tons of waste.

Metropolitan Recycling's Material Recovery Facility

Facility Overview

Metropolitan's Material Recovery Facility (MRF) is a 25,000 square ft. commercial building located at 854 and 864 Shepherd Avenue in the East New York neighborhood of Brooklyn, NY. The facility is registered with the New York State Department of Environmental Conservation (NYSDEC) and is the only recycling facility in the Southeast of Brooklyn, making it well positioned to support commercial waste zones BK-3, BK-4, BK-6, and QN-4. See Appendix A for a survey of the facility.

- Facility specs: The facility is 25,000 square ft. with 30 ft. ceilings and 25 ft. doors
- Accepted material streams: Old Corrugated Containers (OCC), newsprint, mixed paper, high grade paper, metal, glass & plastic
- **Restrictions on inbound material:** 250 tons per day capacity, with a 15% allowable contamination
- Facility capacity: 250 tons per day
- Current available capacity: 75 tons per day, as of March, 2021

Operations and Processing

- Operating hours: 11:00pm thru 5:00pm (Sunday thru Friday); closed Saturday
- Restrictions on number of trucks per hour: No, trucks are turned away only if the facility's daily volume exceeds 250 tons
- Restrictions on the size, weight or type of trucks the facility can handle: None
- **Description of equipment:** Facility is equipped with an HRB Centurion baler, conveyer system, and a certified 70 ft. weigh scale



- Offtake agreements for sorted commodities or finished products: Metropolitan has offtake
 agreements in place with some of the largest exporters in the world, which have supported its
 ability to export over 3 million tons of recycled product since its inception. These long-term
 relationships have given Metropolitan the ability to export sorted commodities in the most
 difficult times.
- Form of transportation for material leaving the facility: Truck
- Contingency plans in case of emergency or disruption: In the rare case of a mechanical breakdown, Metropolitan can move material to paper mills.

Siting

- Location: 854 and 864 Shepherd Avenue in the East New York neighborhood of Brooklyn, NY
- **Site ownership:** Metropolitan controls the site on which the facility is located through a lease agreement.

Permitting

- Authorization by all applicable federal, state, and local authorities: Yes, Metropolitan's facility is permitted by the NYSDEC.
- Expiration date of current permits: March 12, 2023
- Anticipated changes to permitted capacity or other permit conditions: None, although Metropolitan is considering obtaining a composting permit to meet local demand.

Financing

- *Tip fee at facility:* Depending on commodity value / rebates, tip fees vary monthly due to market conditions
- Agreements to accept material from CWZ awardees: Yes, Metropolitan is willing to accept material from CWZ awardees

Metropolitan Recycling's Proposed Recycling Facility

Facility Overview

Driven by New York City's OneNYC plan to achieve zero waste, Metropolitan is in discussions with the city about a proposal for a new state-of-the-art recycling facility located at the 65th Street Rail Yard in Brooklyn, adjacent to the Brooklyn Army Terminal. NYC has made significant progress in its residential recycling programs in part due to long-term contracts with Pratt Industries and Sims to handle all residential recycling. Metropolitan's proposed facility is modeled on the successful operations of these facilities but would be designed to serve the unique needs of the commercial recycling sector.

Metropolitan's proposed facility would remove the need for truck shipments of commercial waste by enabling the use of trains and/or barges to send the city's exported waste directly to Port Newark. Shipping by train and/or barge is more environmentally friendly, economically efficient, and less disruptive to local communities.



The proposed 150,000-200,000 square ft. facility will consist of three buildings to sort and recycle paper, construction and demolition (C&D), and municipal solid waste (MSW). It will be outfitted with state-of-the-art technology and equipment including conveyors, screeners, eddy currents, optical sorting, and robotics to facilitate the processing and baling of recyclables. Additionally, the proposed facility would also be outfitted with solar panels to generate 500kw of power, as well as a green roof with water retention and rain collection systems and an urban farm. It will also be equipped with cutting-edge technology that converts waste plastics into building materials. See Appendix B for depictions of the proposed facility.

Metropolitan is currently engaged in discussion with NYC Economic Development Corporation (NYCEDC) and the Port Authority of New York and New Jersey about the proposed facility. The company believes that this facility will have a significant positive impact on NYC's environment and local communities. The proposed facility will significantly reduce truck miles traveled and avoid the thousands of truck trips utilizing the city's highly congested streets, highways, bridges, and tunnels.

Additional Information:

- Project timeline: Metropolitan's current proposal for the 65th Street Rail Yard is an alternate site facility from the approved South Brooklyn Marine Terminal Bid in 2019. Due to a wind project approved by New York State, the South Brooklyn Marine Terminal was at full capacity and Metropolitan was forced to identify an alternate site that had barge and rail capacity. Metropolitan is in preliminary lease discussions about the site with NYCEDC. Although the pandemic has delayed these discussions, Metropolitan is committed to signing a lease by the end of 2021. Construction can begin in 2022 and will take 18 months to complete.
- Additional potential sites for the proposed facility: Pier 11 in Red Hook, Brooklyn
- State and local authorizations required: The proposal will require approvals from NYSDEC, New York City Department of Sanitation, New York City Department of Buildings, NYCEDC, and the Port Authority of New York and New Jersey. Metropolitan estimates an 18-month timeline required to obtain these approvals.
- Site criteria for the proposed facility: 150,000-200,000 square ft. facility, rail and/or barge access, 20 ft. above grade flood zoning requirements
- Community and public engagement regarding the proposed facility: Metropolitan has
 begun initial outreach to elected officials and community organizations. So far, it has gained
 support for the proposed facility from elected officials including Congressmember Nydia
 Velazquez and Brooklyn Borough President Eric Adams, and from local community
 organizations including UPROSE and the Sunset Park Task Force. Public engagement on the
 proposal has not begun yet.
- Financing status: Metropolitan has committed financing for the proposed facility.



Appendix

Appendix A: Page 6

Survey of Metropolitan Recycling's Material Recovery Facility (MRF)

Appendix B: Page 7

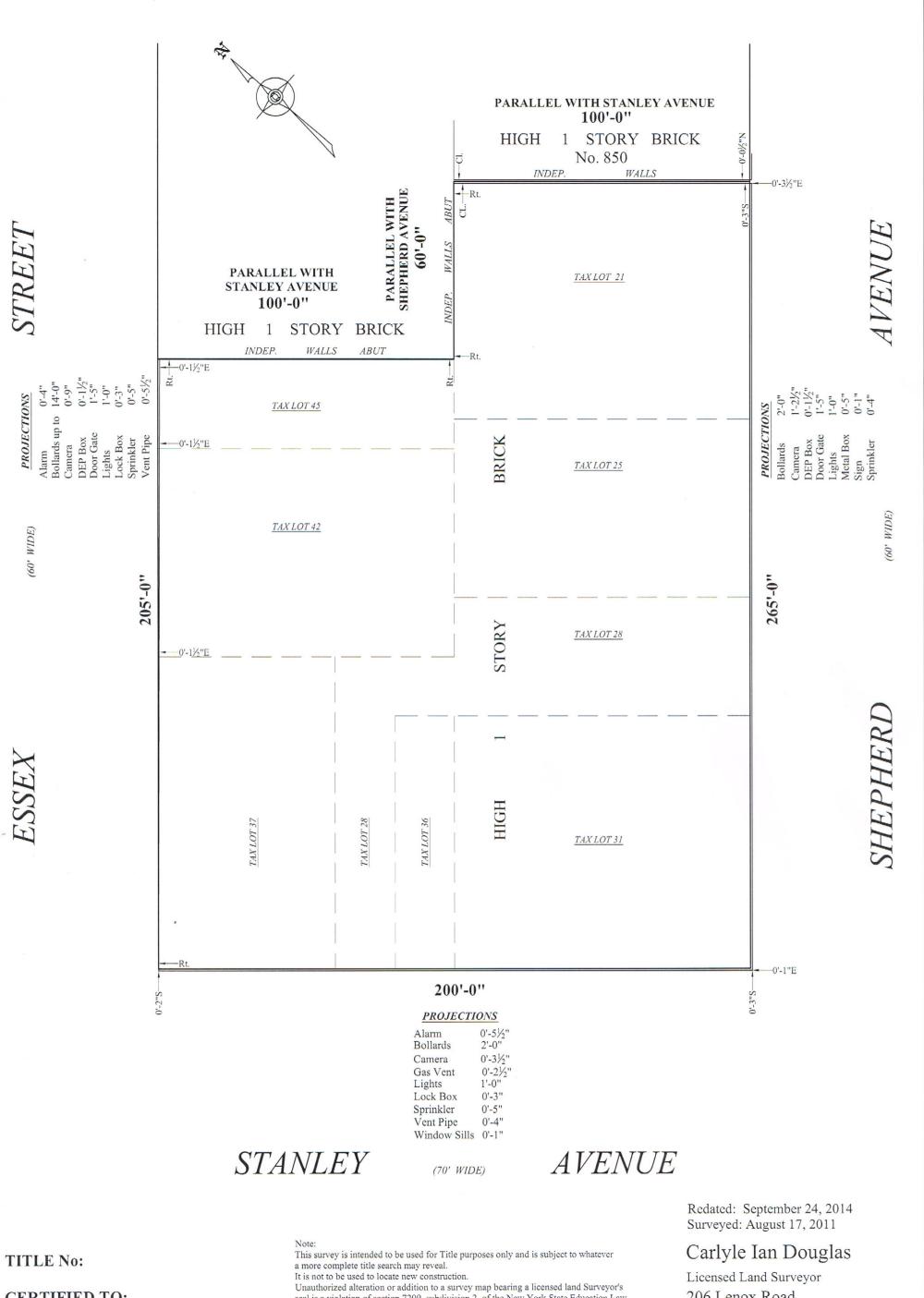
Depiction of Metropolitan Recycling's Proposed Recycling Facility

Appendix C: Page 9
Signed Affirmation Page



Appendix A

Survey of Metropolitan Recycling's Material Recovery Facility (MRF)



CERTIFIED TO:

BLOCK 4363

Flushing Bank

seal is a violation of section 7209, subdivision 2, of the New York State Education Law.

206 Lenox Road Brooklyn, NY 11226

Tel: (718) 469-3034 Fax: (718) 462-6125

LOTS 21, 25, 28, 31, 36, 37, 42 & 45 STATE OF NEW YORK



Appendix B: Depiction of Metropolitan Recycling's Proposed Recycling Facility





PART 2 OF THE RFP – NYC COMMERCIAL WASTE ZONES APPENDIX E RFEI RESPONSES

Response to Request for Expressed Interest (RFEI)

PAPER FIBRES INC

PAPER FIBRES INC

960 BRONX RIVER AVENUE BRONX, NEW YORK 10473

March 3, 2021

RE: RESPONSE TO DSNY REQUEST FOR EXPRESSION OF INTEREST (RFEI)

Company: Paper Fibres Inc.

Location: 960 Bronx River Ave. Bronx, NY 10473

Facility Type: Paper Recycling Center

Materials Accepted; OCC – SOP- Clean Mix - News

Form of Delivery: Roll offs containers, Packer trucks, compactors,

walking floor trailer, vans trucks

Form of Material Accepted: Loose or baled

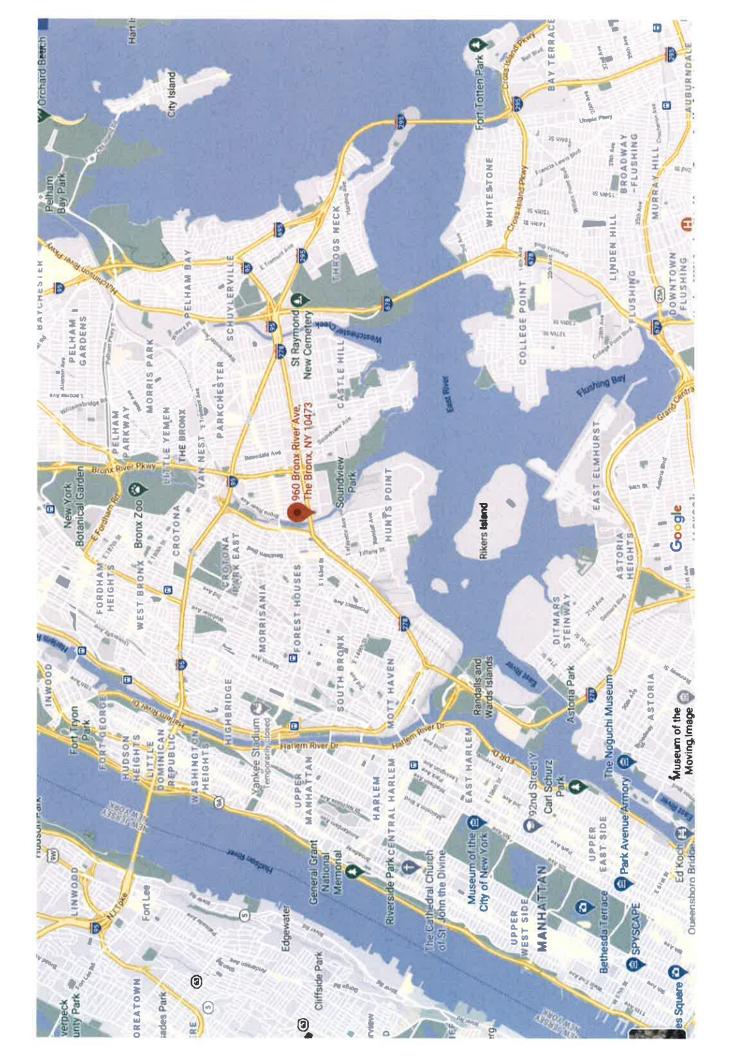
Hours: Monday to Friday: 24 hours per day

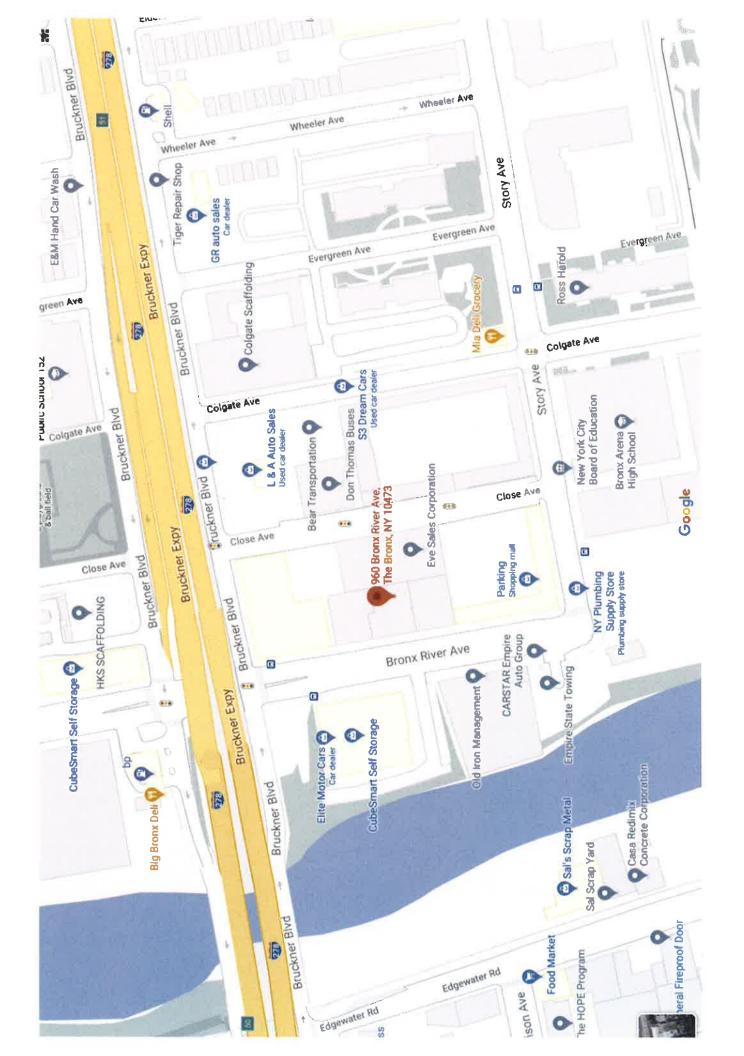
Saturday: 12am-8am

Call for special off hours delivery

Permits: DEC Registered facility

Contact: (718)991-3842





PART 2 OF THE RFP – NYC COMMERCIAL WASTE ZONES APPENDIX E RFEI RESPONSES

Response to Request for Expressed Interest (RFEI)

RNG STATEN ISLAND, LLC

Bio CNG Digester Plant

of

RNG Staten Island, LLC.

on

Staten Island, NY

Prepared by:

Global Organics Recycling,Inc.

New York.

Facility Overview

RNG Staten Island LLC is in the process of installing Zero Waste Energy's SMARTFERM dry digester plant at 1780 South Avenue, Staten Island, NY 10314.

This dry digester plant is similar to Zero Waste Energy plant in San Jose in California.

NYC source separated food waste will be brought to the **negatively aerated tipping floor.** The *SMARTFERM* technology does not require any pre-processing of the waste .

Front-end loaders will fill the **SMARTFERM** digester containers, which are sealed for 21 days.

The technology requires a minimal energy input because it is a "passive process," i.e. does not require moving parts.

After 3 weeks, the digestate is 60% matured and fed into a **BDP Agitated in-vessel** composting indoor system adjacent to the *SMARTFERM* digesters.

Biogas produced in the *SMARTFERM* digester is **upgraded to pipeline quality RNG**, using **Xebex system** and injected into National Grid's pipeline near the digester site.

High grade compost will be produced from the *BDP Agitated in* vessel system and sold to organic farmers of wheat, soybean and corn in New Jersey ,Pennsylvania & New York.

The attachments show a location map & plant layout submitted to the NY Department of Environmental Conservation.

The dry digester facility accepts **80,000 tons** of NYC source separated food waste commingled with food soiled papers ,biodegradable silverware ,floral waste and **20,000 tons** of yard waste **per year.**

The facility will accept plastic contamination upto 10%.

The facility will have available daily capacity of **30 tons** of source separated food waste.

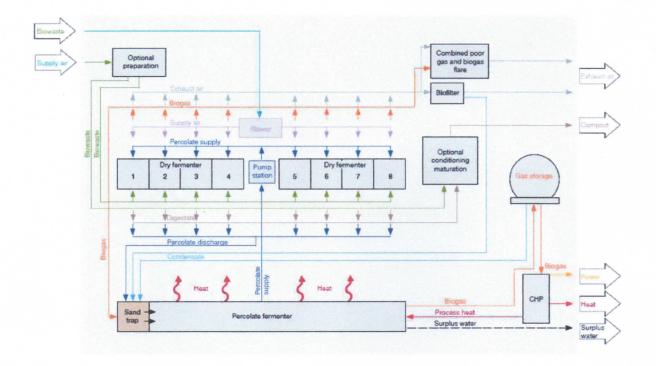
The proposed digester facility will commence commercial operation in the second quarter of **2022.**

Operational and Processing:

The facility will operate 365 day and 24 hours.

There are no restrictions of number of trucks per hour and size, weight & type of trucks.

The description of dry digester technology is shown below:



The facility will not accept any non biodegradable material.

RNG Staten Island LLC will have an off taker of renewable natural gas.

The facility will use trucks to transport finished marketable compost.

The facility has contingency plans in case of emergency or description.

Permitting:

The facility has applied to NY Department of Environmental Conservation (DEC) digester permit which may be received in March/April of 2021.

Financing:

RNG Staten Island LLC already has a number of equity investors to fund its digester project after receiving the DEC permit.

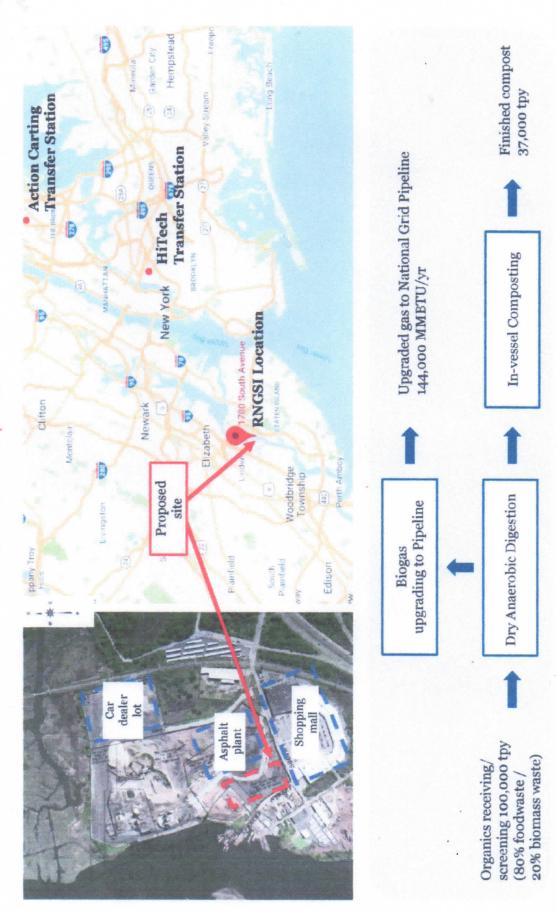
There is no financing contingent on achieving minimum throughput commitments.

The expected tipping fee for source separated food waste(SSFW) of NYC is \$89 per ton of SSFW and \$9 per ton of yard waste. The tipping fee will be contingent on the market condition and other factors.

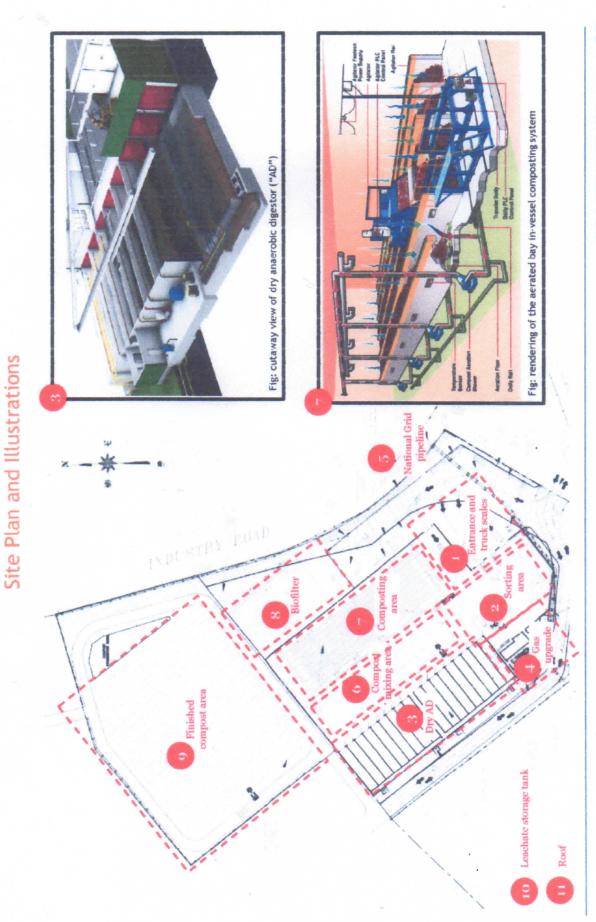
RNG Staten island LLC is willing the enter into long term "Put or Pay" agreement to accept NYC source separated food waste and yard waste from CWZ awardees. The agreement should be for 5 years.

Asset/Build Description

Location and process



Asset/Build Description



PART 2 OF THE RFP – NYC COMMERCIAL WASTE ZONES APPENDIX E RFEI RESPONSES

Response to Request for Expressed Interest (RFEI)

ROYAL WASTE SERVICES, INC

New York City Department of Sanitation – Request for Expressions of Interest

For Existing and Proposed Transfer, Processing, Beneficial End-Use and Disposal Facilities Related to Commercial Waste Zones

Royal Waste Services Facilities:

- Royal Waste Services: 187-40 Hollis Avenue, Jamaica New York 11423
 - Single Stream Recycling facility
- Royal Recycling Services, Inc: 187-10 Jamaica Avenue, Jamaica New York 11433
 - o Single Stream Recycling facility
- Triboro Recycling: 891 E 135th Street, Bronx NY 10454
 - o Paper and cardboard facility
- Regal Recycling: 170-21 Douglas Avenue, Jamaica New York 11423
 - o Putrescible waste transfer station & organics facility

Section 4.1 Facility Overview

Question		Royal Waste	Royal Recycling	Triboro	Regal Recycling	
1.	Provide a description of the facility, including applicable drawings, plans, renderings, maps, or other illustrations.	See facility drawings below	See facility drawings below	See facility drawings below	See facility drawings below	
2.		Single Stream Recycling	Single Stream Recycling	Single Stream Recycling	Putrescible & Organic Waste	
3.	What are the restrictions on inbound material, if any (allowable	Do not accept any hazardous waste	Do not accept any hazardous waste	Do not accept any hazardous waste	Do not accept any hazardous waste	

	-	
Recycling		
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	contamination,				
	prohibited				
	materials, delivery				
	specifications, etc.)?				
4.	What is the	1000 tons per day	1000 tons per day	249 tons per day	600 tons per day
	available capacity?				
	What is the				
	permitted capacity				
	of the facility?				
5.	Taking into account	Facility has available daily	Facility has available daily	Facility has available daily	Facility has available dail
	your existing	capacity	capacity	capacity	capacity
	commitment s to				
	carters or other				
	generators, under				
	normal operating				
	conditions do you				
	have available daily				
	capacity or do you				
	operate close to				
	permit limits on a				
	regular basis?				
6.	For proposed	N/A	N/A	N/A	N/A
	facilities, what is the				
	project timeline?				

4.2 Operations and Processing

	Question	Royal Waste	Royal Recycling	Triboro	Regal Recycling
1.	What are the operating hours of the facility?	24/7	24/7	24/7	6 days per week (closed on Sunday)
2.	Are there restrictions on how many trucks per hour the facility can handle?	No restrictions	No restrictions	No restrictions	No restrictions
3.	Are there restrictions on the size, weight, or type of trucks the facility can handle?	No restrictions	No restrictions	No restrictions	No restrictions
4.	Describe the equipment, machinery, process and/or technology used to handle or process waste.	Mechanical and Manual separation	Manual, air and mechanical separation	Mechanical and Manual separation	Mechanical and Manual separation
5.	Does the facility employ any innovative technologies or systems?	Air separation and cardboard screening. In the next 6 months new optical sorters will be installed.	Air separation and cardboard screening. In the next 6 months new optical sorters will be installed.	High efficient bullegraph baler	Regal Recycling has a Tho Turbo Organics machine that can process up to 20 tons of food waste per hour. It removes any contaminants that may be present and yields a 99% clean organic pulp as a result.

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ay be 99%					
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6.	If you are listing	N/A	N/A	N/A	Regal Recycling accepts all
	an organics				organic material in its
	facility – compost				organic facility
	and anaerobic or				
	aerobic digestors				
	 provide a list of 				
	organic material				
	that you do not				
	accept for				
	processing				
7.		Various domestic and	Various domestic and	Various domestic and	Various domestic and
	respondent have	export mills	export mills	export mills	export mills
	offtake				
	agreements for				
	sorted				
	commodities or				
	finished				
	products?				- 1. 1
8.	What form of	Trucking, however, we	Trucking, however, we	Trucking, however, we	Trucking, however, we move all material to local
	transportation or	move all material to local	move all material to local	move all material to local	
	export is used for	mills and ports around the	mills and ports around the	mills and ports around the	mills and ports around the
	material leaving the facility?	NYC Metropolitan area. We have not and will	NYC Metropolitan area. We have not and will	NYC Metropolitan area. We have not and will	NYC Metropolitan area. We have not and will
	the facility r	never bring any material	never bring any material	never bring any material	never bring any material
		to distant landfills.	to distant landfills.	to distant landfills.	to distant landfills.
		to distant fandinis.	to distant landinis.	to distant fandinis.	to distant landinis.
					In the process of securing
		-			rail transport from facility
9.	What secondary	N/A	N/A	N/A	N/A
٧.	processors does	14/1	""		,,,
	the facility use, if				
	any?				
10.	If your facility is a	Various domestic and	Various domestic and	Action Environmental	Covanta Recycling
	transfer station,	international mills.	international mills.		

6. If you are listing an organics	N/A	N/A	N/A	Regal Recycling accepts all organic material in its			
facility – compost and anaerobic or aerobic digestors – provide a list of organic material that you do not accept for processing				organic facility			
7. Does the respondent have offtake agreements for sorted commodities or finished products?	Various domestic and export mills	Various domestic and export mills	Various domestic and export mills	Various domestic and export mills			
8. What form of transportation or export is used for material leaving the facility?	Trucking, however, we move all material to local mills and ports around the NYC Metropolitan area. We have not and will	Trucking, however, we move all material to local mills and ports around the NYC Metropolitan area. We have not and will	Trucking, however, we move all material to local mills and ports around the NYC Metropolitan area. We have not and will	Trucking, however, we move all material to local mills and ports around the NYC Metropolitan area. We have not and will			
the facility!	never bring any material to distant landfills.	never bring any material to distant landfills.	never bring any material to distant landfills.	never bring any material to distant landfills. In the process of securing		ý	
	-			rail transport from facility			
9. What secondary processors does the facility use, if any?	N/A	N/A	N/A	N/A			
10. If your facility is a transfer station,	Various domestic and international mills.	Various domestic and international mills.	Action Environmental	Covanta Recycling			
				to an extended the second of t	5		
w	ń.	V:	2	ψ.	5		
				6 a	e e		

what disposal				Waste Management –
facilities have you	Covanta Recycling for	Covanta Recycling for		Varick Street
used in the past	residual waste	residual waste		McEnroe Organic Farm
(please separate				
by material type –	ja .			All types of recycling
refuse,				(paper, plastic etc.) goes
recyclables, and				to Royal Waste Services
organics)				
11. Does the facility	Yes	Yes	Yes	Yes
have any				
contingency plans				
in case of				
emergency or				
disruption?				

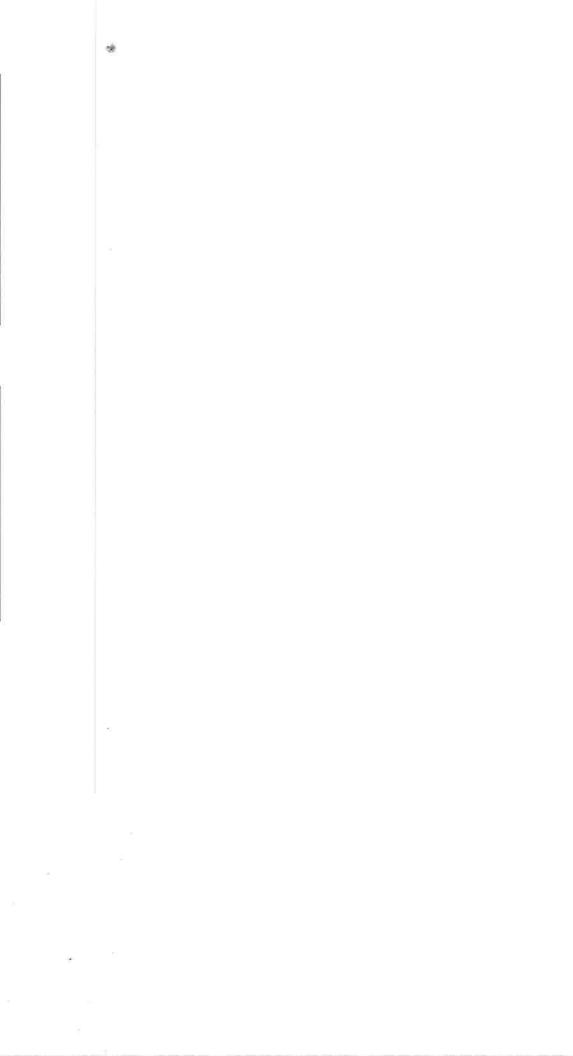
4.3 Siting

For existing facilities

	Question	Royal Waste	Royal Recycling	Triboro	Regal Recycling
1.	Where is the	187-40 Hollis Avenue,	187-10 Jamaica Avenue,	891 E 135th Street, Bronx	170-21 Douglas Avenue,
	facility located?	Jamaica New York 11423	Jamaica New York 11433	NY 10454	Jamaica New York 11423
2.	respondent currently control, through lease or ownership, the site on which the	Ownership	Ownership	Ownership	Ownership
	facility is located? If so, what are the				
	terms of such control?				

For proposed facilities – N/A

4.4 Permitting

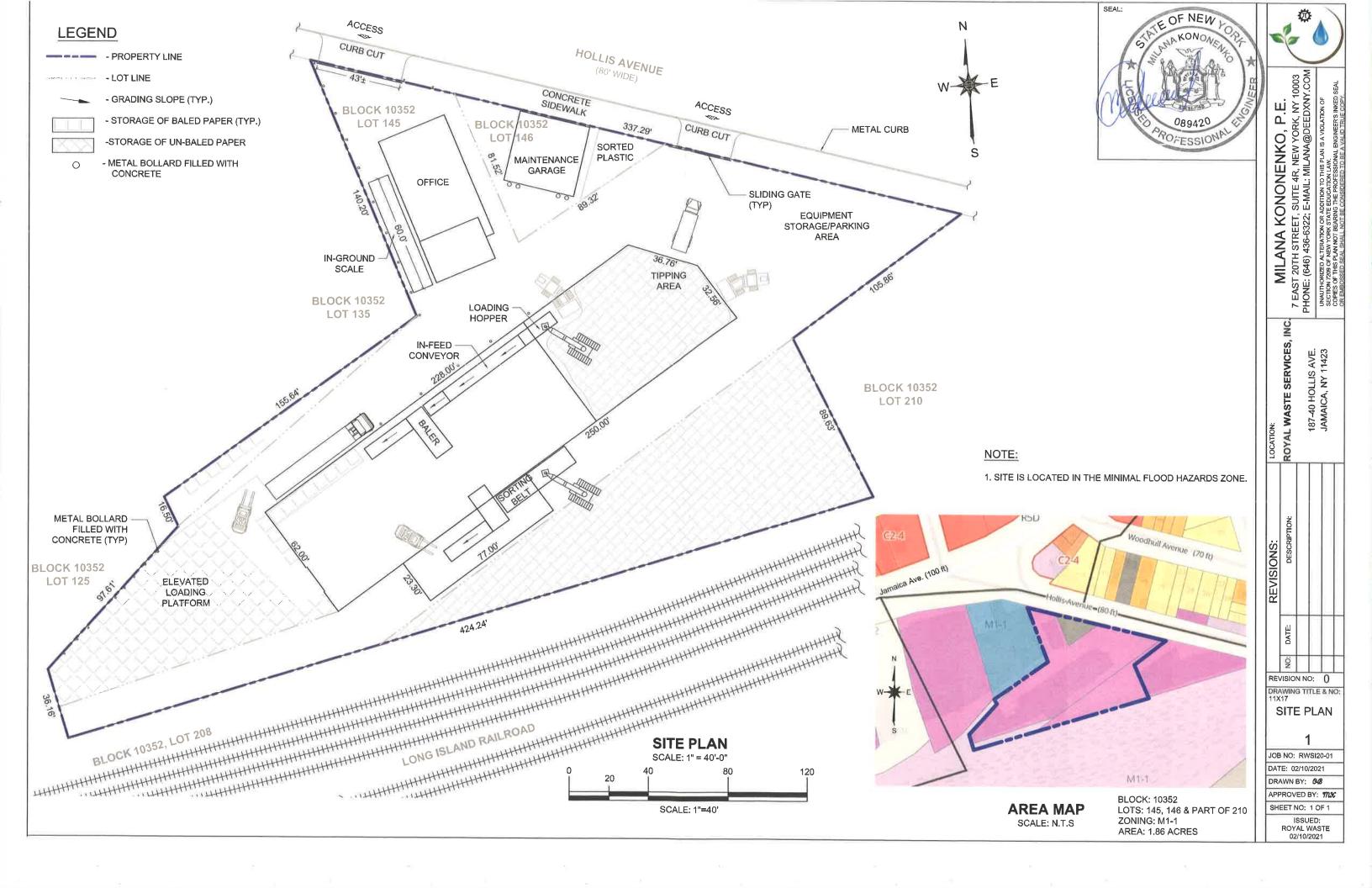


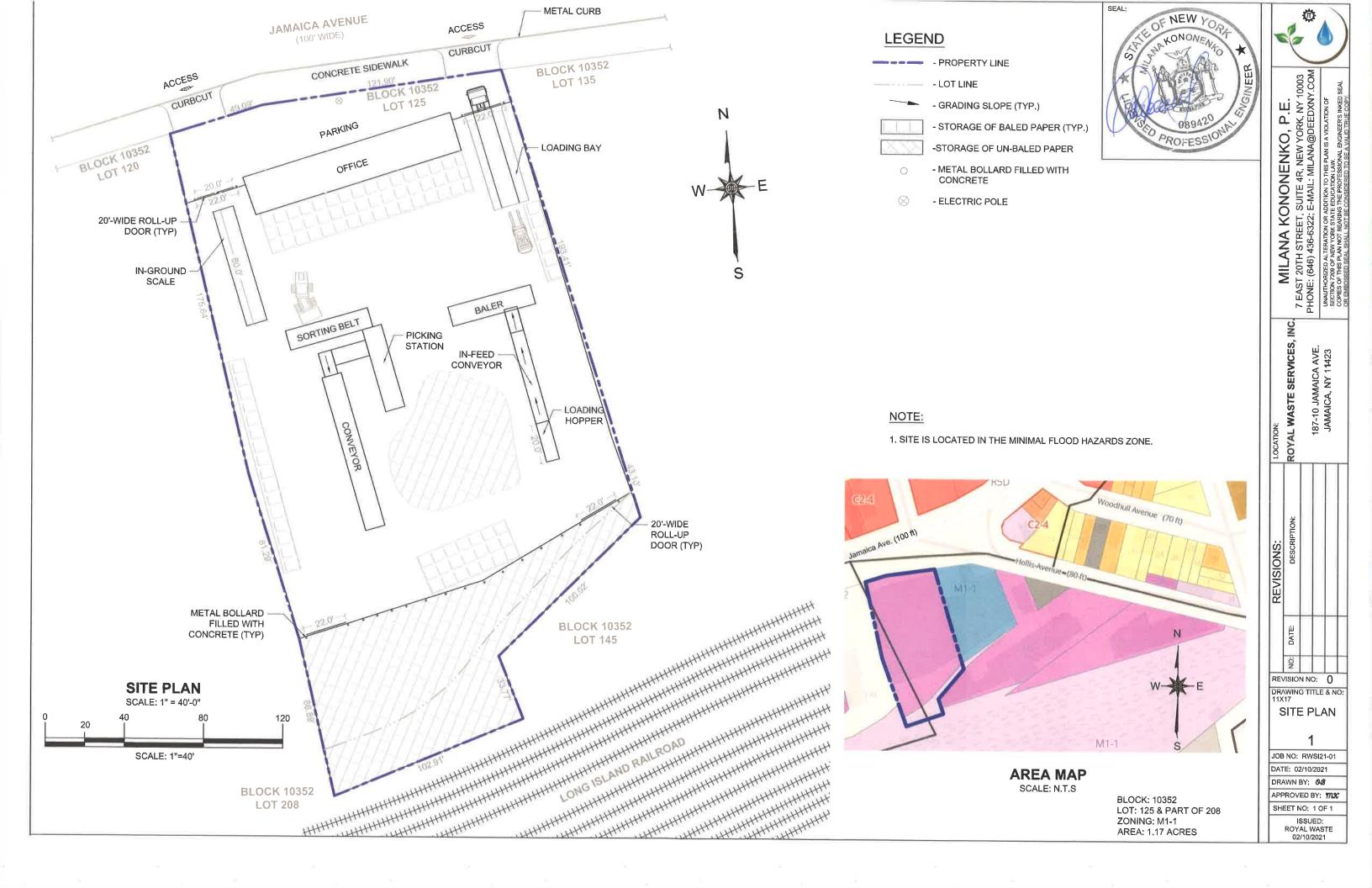
Quest	tion	Royal Waste	Royal Recycling	Triboro	Regal Recycling
accept materi descril section applica	tted to t the ials bed in n 4.1 by all able federal, and local	Yes	Yes	Yes	Yes
2. When curren		N/A	N/A	2025	DEC permit expires in 2025 DSNY permit is renewed annually
3. Are the anticipe change permite capaci permite condite cond	pated es to tted ty or other t	No	*No	No	No
4. For factors are no yet, w	cilities that of permitted hat steps cessary to e such	N/A	N/A	N/A	N/A

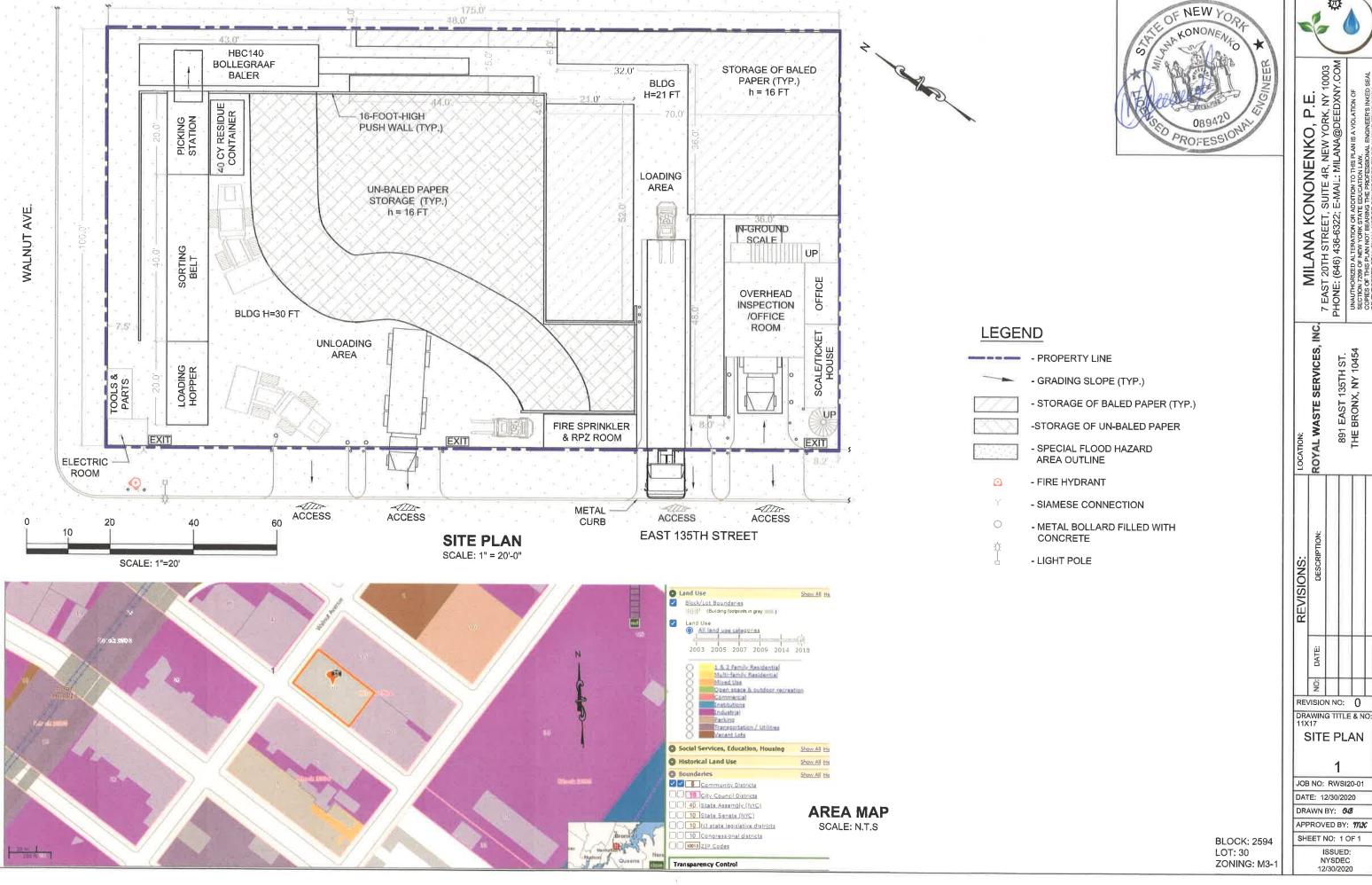
4.5 Financing

	Question	Royal Waste	Royal Recycling	Triboro	Regal Recycling
1.	For proposed facilities, or modified facilities, what is the current status of financing? Is the developer seeking financing partners?	N/A	N/A	N/A	N/A
2.	Is financing contingent on achieving minimum throughput commitments? If so, what is the minimum throughput for financial viability?	N/A	N/A	N/A	N/A
3.		N/A – depends on market conditions	N/A – depends on market conditions	N/A – depends on market conditions	N/A – depends on market conditions
4.		Yes, restrictions would only apply to market conditions.	Yes, restrictions would only apply to market conditions.	Yes, restrictions would only apply to market conditions.	Yes, restrictions would only apply to market conditions.

from CWZ		
awardees? If so,		
are there any		
restrictions on the		
terms of the		
agreements?		







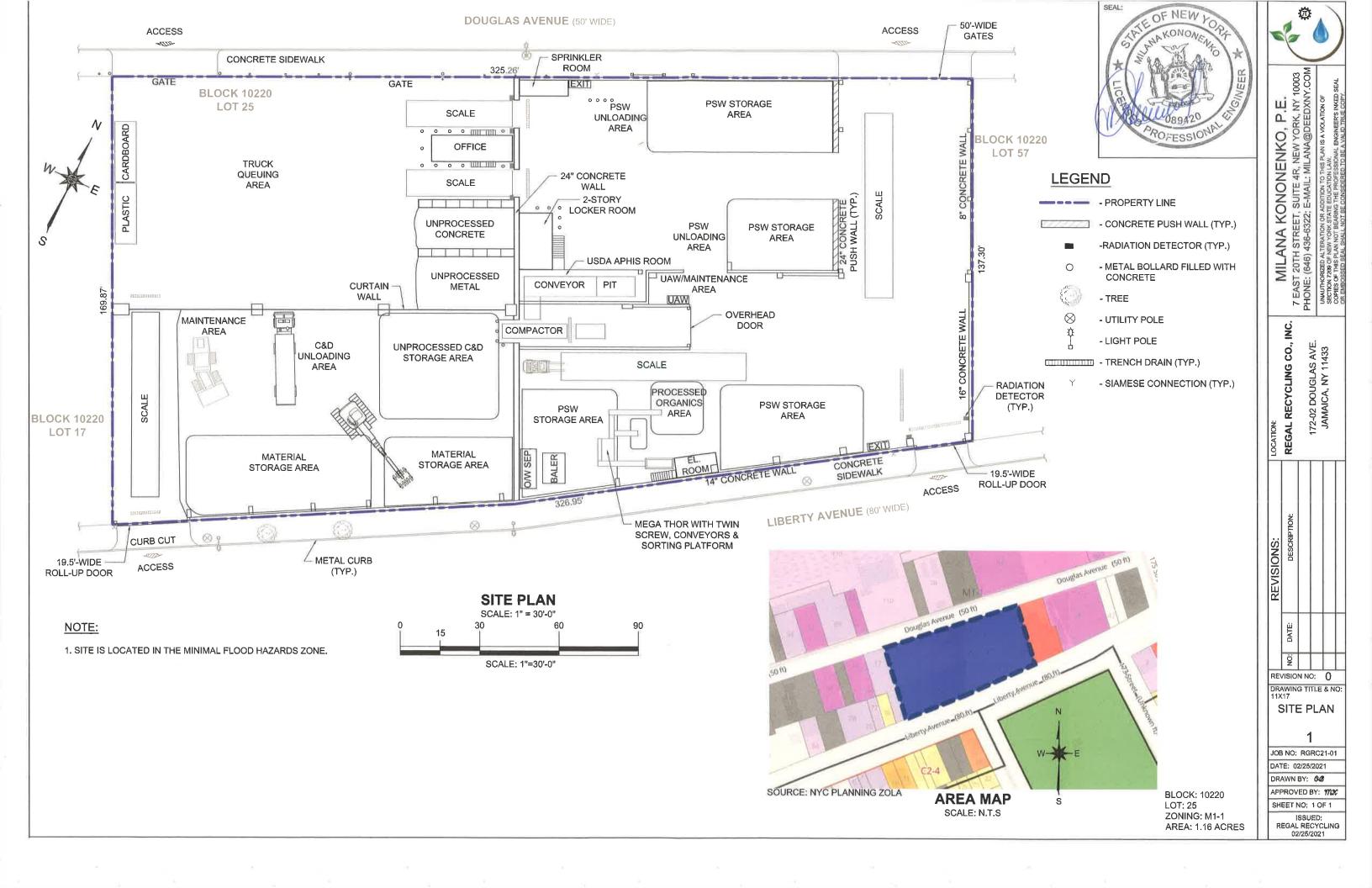
SEAL:

891 EAST 135TH ST. THE BRONX, NY 10454

REVISION NO: 0

SHEET NO: 1 OF 1

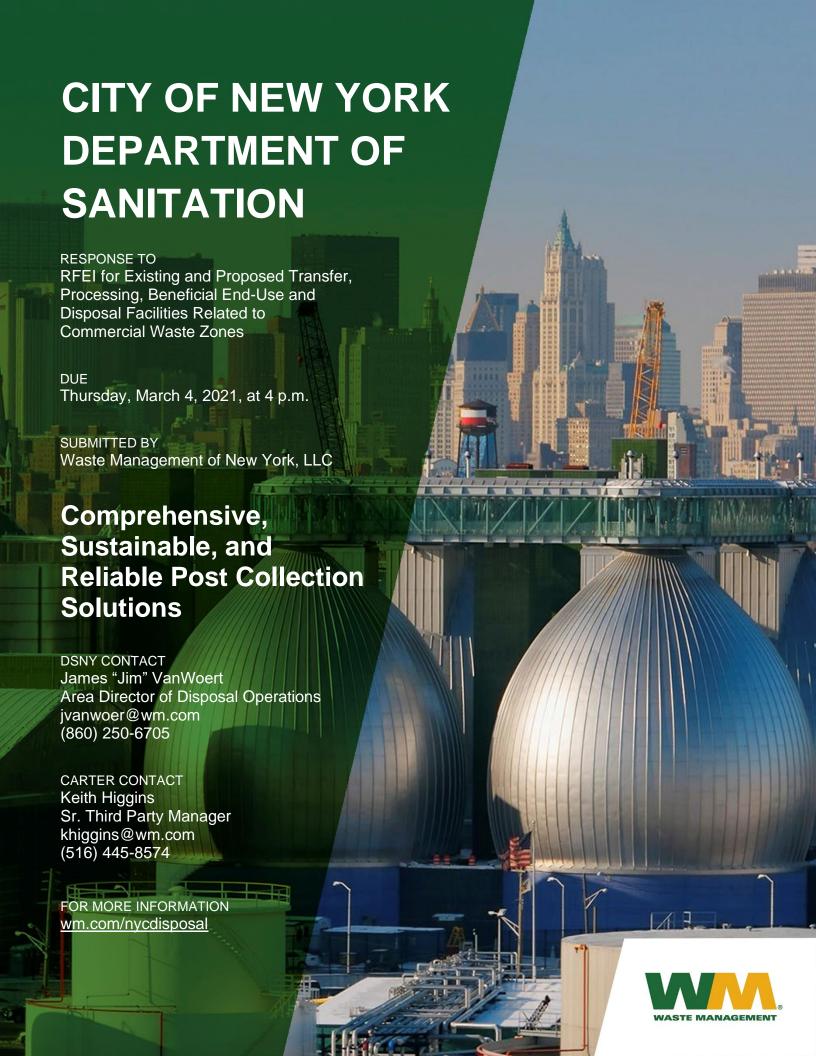
ISSUED: NYSDEC



PART 2 OF THE RFP – NYC COMMERCIAL WASTE ZONES APPENDIX E RFEI RESPONSES

Response to Request for Expressed Interest (RFEI)

WASTE MANAGEMENT OF NEW YORK, LLC



WASTE MANAGEMENT



Waste Management of New York, LLC 107 Silvia Street Ewing, NJ 08628

March 4, 2021

City of New York Department of Sanitation 125 Worth Street 7th Floor New York, NY 10013

Attn: Mr. Justin Bland, Director of Commercial Waste and Agency Contact Person

Dear Mr. Bland:

Thank you for the opportunity to respond to the New York City Department of Sanitation's (DSNY) Request for Expression of Interest for "Existing and Proposed Transfer, Processing, Beneficial End-Use and Disposal Facilities Related to Commercial Waste Zones" (RFEI). Waste Management of New York, LLC (Waste Management or WM) has a large portfolio of comprehensive, sustainable, and reliable post collection facilities in and around NYC that can accept materials under NYC's Commercial Waste Zones program (CWZ).

To align with DSNY's aim for this RFEI to aid carters considering an RFP submission in developing a better understanding of the existing and potential network of processing facilities, transfer stations, beneficial end-users, and disposal locations within NYC and the region, we created this document and accompanying informational website, wm.com/nycdisposal, with the City's carters in mind. Our goal is to make doing business with WM as easy and effective as possible. We are an ally for all our customers and will bring that same dedication to every carter who works with us.

Your Local, Tested, Trusted, and Proven Post Collection Partner

WM is an established and longtime trusted partner for the City. We have a **25 year track record of service excellence in NYC**, providing world-class, innovative, reliable, and sustainable post collection solutions for the City and we look forward to partnering with CWZ carters to provide the sustainable processing and disposal solutions needed to help DSNY and the City achieve your program goals.

In and around NYC, WM operates eight transfer stations, four materials recovery facilities (MRFs), two organics processing facilities, and four landfills. All of our facilities adhere to stringent safety and environmental practices, giving carters and DSNY peace of mind that all materials brought to our facilities will be managed in the safest, most environmentally sound manner in compliance with all local, state, and federal regulations.

We will work closely with carters to provide the best, most cost-effective post collection solutions for your operational needs. Our Sr. Third-Party Manager and your dedicated contact, Keith Higgins, has more than 26 years of experience in the NYC waste and recycling market. For the past 10 years, he has worked closely with NYC haulers to provide cutting edge, sustainable, and environmentally-friendly processing and disposal solutions. Through this decade worth of work, he has developed keen insights into the evolution and current state of the waste and recycling landscape, which will make him a valuable post collection ally for carters working to implement CWZ services.

Doing Business with WM is Easy, Sustainable, and Worry Free

Working with one partner for multiple post collection solutions will streamline your CWZ implementation, provision of day-to-day services, and compliance with DSNY requirements. WM provides comprehensive, accessible, standardized reporting to make it easy for your staff to adhere to DSNY reporting requirements. We can also work with you to provide customized billing based on your service needs (i.e., master billed, account level billing, etc.). Our number one priority is to provide you the best post collection solutions that make it easy for you comply with CWZ requirements.

Comprehensive Local Post Collection Solutions for All Types of Waste

The maps on the following pages provide an overview of our post collection operations in and around NYC and our long haul regional disposal facilities that support our transfer operations in the City. Each of these facilities is described in greater detail throughout this document and high level operational information for our NYC facilities is provided at wm.com/nycdisposal.

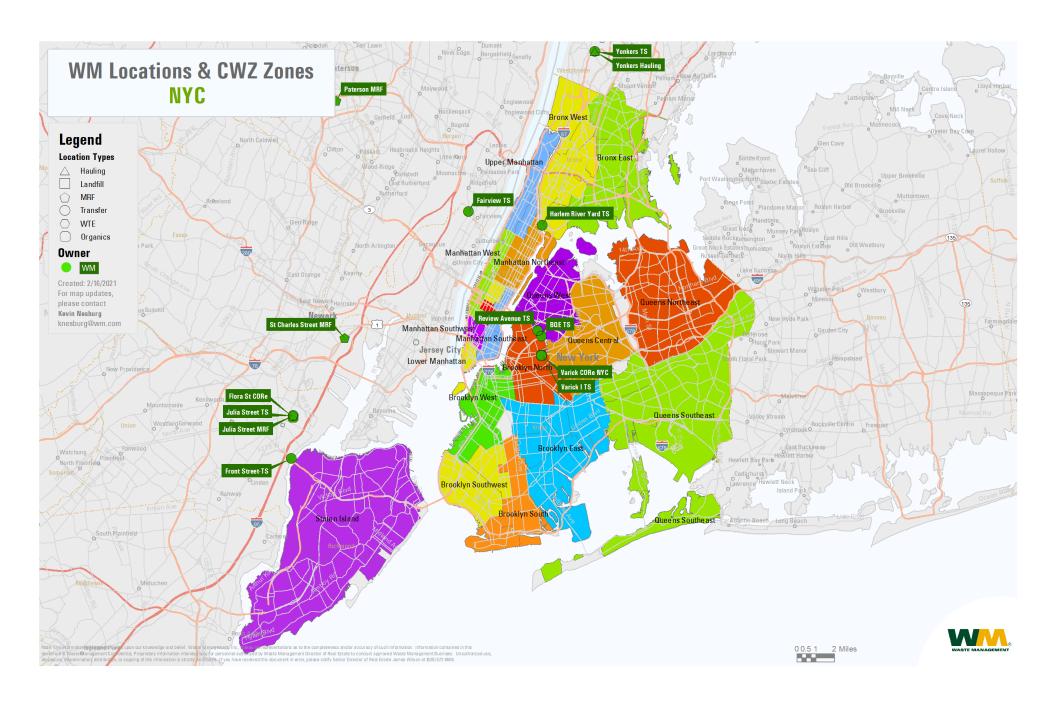
Thank you for the opportunity to participate in your selection of post collection partners. Carters, please contact Keith Higgins with any questions about our post collection facilities and to discuss how we can become your CWZ post collection partner.

> **Carter Contact** Keith Higgins Sr. Third-Party Manager (516) 445-8574 khiggins@wm.com

DSNY Contact James "Jim" VanWoert Area Director of Disposal Operations (860) 250-6705 jvanwoer@wm.com

Sincerely,

Rafael Carrasco | President | Waste Management of New York, LLC







Waste Management is your partner for environmental service and solutions whose people go above and beyond to serve and solve every challenge the right way.



Acronym Definitions

PSW: Putrescible solid waste **C&D:** Construction and demolition debris

OCC: Old corrugated cardboard **CHCW:** Commercial health care waste

SSO: Source separated organics

Transfer Stations Facilities Overview

	Harlem River Yard TS	Review Avenue TS	BQE TS	Varick TS
Address:	98 Lincoln Ave, Bronx, NY 10454	28-50 Review Ave, Queens, NY 11101	75 Thomas St, Brooklyn, NY 11222	221 Varick Ave, Brooklyn, NY 11237
Description of the facility:	Rail-based facility minutes away from Manhattan, in the Mott Haven area. Receives an average of 2,200 tons per day.	Rail-based facility. Receives an average of 1,000 tons per day.	Transfer station and wood yard located under the Kosciuszko Bridge. Receives an average of 450 tons per day.	Located in East Williamsburg. Rail-based facility. Receives an average of 1,300 tons per day. Quick turnaround time for trucks to weigh in and out.
Accepted materials:	PSW, C&D, non- hazardous historical fill	PSW, non- regulated CHCW	PSW, C&D, non-regulated CHCW and unadulterated, untreated, unpainted trees, limbs and lumber	PSW, C&D, non- regulated CHCW, non-hazardous historical fill



	Harlem River Yard TS	Review Avenue TS	BQE TS	Varick TS
Restrictions on inbound materials:	No regulated medical / hazardous waste, CFC containing goods, or tires	No regulated medical / hazardous waste, CFC containing goods, or tires	Transfer Station: No regulated medical / hazardous waste, CFC containing goods, or tires Wood Yard: No plywood, compressed wood, treated wood, or vegetation	No regulated medical / hazardous waste, CFC containing goods, or tires
Available capacity for commercial waste and permit capacity:	Available capacity: 1,900 tons per day Permit capacity: 4,000 tons per day	Available capacity: 1,100 tons per day Permit capacity: 2,100 per day	Available capacity: 750 tons of MSW and 750 tons of C&D per day Permit capacity: Same as above	Available capacity: 2,510 tons per day Permit capacity: 4,250 tons per day
Available daily capacity?	Yes	Yes	Yes	Yes

	Yonkers TS	Julia Street TS	Front Street TS	Fairview TS
Address:	325 Yonkers Ave, Yonkers, NY 10701	864 Julia St, Elizabeth, NJ 07201	640 Amboy Ave, Elizabeth, NJ 07202	61 Broad Ave, Fairview, NJ 07022
Description of the facility:	Minutes away from the Bronx. Right off the highway. Receives an average of 300 tons per day. Quick turnaround time for trucks to weigh in and out.	Accessible from the Goethals Bridge, just minutes away from the Verrazano Bridge. Quick turnaround time for trucks to weigh in and out.	Accessible from the Goethals Bridge, just minutes away from the Verrazano Bridge. Quick turnaround time for trucks to weigh in and out.	Minutes away from the George Washington Bridge. Quick turnaround time for trucks to weigh in and out.



	Yonkers TS	Julia Street TS	Front Street TS	Fairview TS
Accepted materials:	PSW,C&D, OCC, non-contaminated soil, rock and concrete	NJDEP permitted waste type #s 10 municipal, 13 bulky, 13c construction and demolition, 23 vegetative waste, 25 animal and food processing waste, and 27 dry industrial	NJDEP permitted waste type #s 10 municipal, 13 bulky, 13c construction and demolition, 23 vegetative waste, 25 animal and food processing waste, and 27 dry industrial	NJDEP permitted waste type #s 10 municipal, 13 bulky, 13c construction and demolition, 23 vegetative waste, and Class A and B recyclable materials
Restrictions on inbound materials:	No regulated, medical, or hazardous wastes, CFC containing goods, or tires	No hazardous, electronic, or medical wastes	No hazardous, electronic, or medical wastes	Only NJDEP permitted waste types
Available capacity for commercial waste and permit capacity:	Available capacity: 875 tons per day Permit capacity: Same as above	Available capacity: 2,200 tons a day Permit capacity: Same as above	Available capacity: 1,000 tons per day when reopened Permit capacity: Same as above	Available capacity: 425-950 tons per day Permit capacity: 1,400 tons per day (recyclables not to exceed 200 TPD)
Available daily capacity?	Yes	Yes	Site is closed temporarily until volumes return	Yes

Transfer Stations Operations and Processing

	Harlem River Yard TS	Review Avenue TS	BQE TS	Varick TS
Operating hours:	Monday - Saturday 24 hours	Monday - Saturday 24 hours	Sunday - Monday 12 a.m 12 p.m. Monday - Friday 8 p.m. to 12 p.m. Saturdays by appointment	Monday - Saturday 24 hours
Trucks per hour restrictions?	No	No	No	No
Size, weight, or type of truck restrictions?	No	No	No	No



	Harlem River Yard TS	Review Avenue TS	BQE TS	Varick TS
Equipment description:	Transfer to tipping floor by the hauler. WM loads material into rail cars for transport to the landfill.	Transfer to tipping floor by the hauler. WM loads material into rail cars for transport to the landfill.	Transfer to tipping floor by the hauler. WM loads material into transfer trailers for transport to the landfill or incinerator.	Transfer to tipping floor by the hauler. WM loads material into rail cars for transport to the landfill.
Innovative technologies and systems:	100% rail operation	100% rail operation	No	100% rail operation
Offtake agreements for sorted commodities:	Yes	Yes	Yes	Yes
Outbound material transport:	Rail	Rail	Tractor trailers	Rail
Secondary processors:	N/A	N/A	N/A	N/A
Disposal facility(ies):	Atlantic Landfill	High Acres Landfill Atlantic Landfill	Refuse: Fairless Landfill and WTI Peekskill Recyclables: Empire Metal - Metal, Triboro Fibers - OCC	High Acres Landfill Atlantic Landfill WTI Peekskill
Contingency plan:	No	Yes, trailer out of Review if needed	Yes, divert to Varick	No

	Yonkers TS	Julia Street TS	Front Street TS	Fairview TS
Operating hours:	Monday - Friday 6 a.m 2:30 p.m.	Monday - Saturday 24 hours	Monday - Saturday 24 hours	Monday - Friday 4 a.m 8 p.m. Saturday 5 a.m 2 p.m.
Trucks per hour restrictions?	No	No	No	No
Size, weight, or type of truck restrictions?	No	Trucks cannot weight over 80,000 lbs. and must be tarped prior to entering the site.	Trucks cannot weight over 80,000 lbs. and must be tarped prior to entering the site.	No large end- dump trailers



	Yonkers TS	Julia Street TS	Front Street TS	Fairview TS
Equipment description:	Transfer to tipping floor by the hauler. WM loads material into rail cars for transport to the landfill or incinerator	Excavator loads outbound trucks and wheel loaders push waste onto the tip floor. Site also has forklifts to offload trailers and load trailers if needed.	Excavator loads outbound trucks and wheel loaders push waste onto the tip floor.	Over the top trailer loading with excavator and front end bucket loaders.
Innovative technologies and systems:	No	Processing system for OCC and mixed paper fiber materials.	No	No
Offtake agreements for sorted commodities:	Yes, for metal and cardboard	N/A	N/A	No
Outbound material transport:	Tractor trailers	Tractors trailers and rail cars	Tractors trailers and rail cars	Tractor trailers
Secondary processors:	N/A	N/A	N/A	N/A
Disposal facility(ies):	Fairless Landfill (WM) – MSW Triboro Fibers – OCC Wheelabrator Peekskill Incinerator – MSW RB Scrap Metal – Metal	Fairless and Grand Central Landfills (WM) and Covanta Incinerator - MSW	Fairless and Grand Central Landfills (WM) and Covanta Incinerator - MSW	Fairless and Grand Central Landfills (WM) – MSW St. Charles Street MRF (WM) – Single stream recyclables Flora Street MRF (WM) – OCC
Contingency plan:	Yes, material can be transferred to WM's Harlem River Yard TS if landfill/incinerator service is disrupted.	Yes, we will re- route haulers to other local WM sites.	Yes, we will re- route haulers to other local WM sites.	Yes, we will re- route haulers to other local WM sites.



Transfer Stations Siting

All of the facilities outlined throughout this document are existing facilities.

	Harlem River Yard TS	Review Avenue TS	BQE TS	Varick TS
Location:	Bronx	Queens	Brooklyn	Brooklyn
Leased or owned and terms:	Leased	Owned by WM	Owned by WM	Owned by WM

	Yonkers TS	Julia Street TS	Front Street TS	Fairview TS
Location:	Yonkers	Elizabeth, NJ	Elizabeth, NJ	Fairview, NJ
Leased or owned	Leased	WM owned	WM owned	WM owned
and terms:	Leaseu	vvivi owned	vvivi owned	vvivi ownea

Transfer Stations Permitting

	Harlem River Yard TS	Review Avenue TS	BQE TS	Varick TS
Permitted to accept all "acceptable materials"?	Yes	Yes	Yes	Yes
Permit expiration:	Renewal pending	Renewal pending	December 2021, annual renewal	Renewal Pending
Anticipated changes to permitted capacity or other permit conditions?	No	No	No	No

	Yonkers TS	Julia Street TS	Front Street TS	Fairview TS
Permitted to accept all "acceptable materials"?	Yes	Yes	Yes	Yes
Permit expiration:	November 2024	August 2023	Renewal pending	April 2023
Anticipated changes to permitted capacity or other permit conditions?	No	No	No	No



Transfer Stations Financing

	Harlem River Yard TS	Review Avenue TS	BQE TS	Varick TS
Tip fee and is it contingent on market conditions or other factors?	Rate varies, depending on contract, material, fuel and environmental costs, etc.	Rate varies, depending on contract, material, fuel and environmental costs, etc.	Rate varies, depending on contract, material, fuel and environmental costs, etc.	Rate varies, depending on contract, material, fuel and environmental costs, etc.
Willing to enter into agreements to accept material from CWZ awardees? If so, are there any restrictions?	Yes, willing to enter into agreements. No restrictions.	Yes, willing to enter into agreements. No restrictions.	Yes, willing to enter into agreements. No restrictions.	Yes, willing to enter into agreements. No restrictions.

	Yonkers TS	Julia Street TS	Front Street TS	Fairview TS
Tip fee and is it contingent on market conditions or other factors?	Rate varies, depending on contract, material, fuel and environmental costs, etc.	Rate varies, depending on contract, material, fuel and environmental costs, etc.	Rate varies, depending on contract, material, fuel and environmental costs, etc.	Rate varies, depending on contract, material, fuel and environmental costs, etc.
Willing to enter into agreements to accept material from CWZ awardees? If so, are there any restrictions?	Yes, willing to enter into agreements. No restrictions.	Yes, willing to enter into agreements. No restrictions.	Yes, willing to enter into agreements. No restrictions.	Yes, willing to enter into agreements. No restrictions.



MRFs Facilities Overview

	St. Charles Street MRF	Julia MRF	Philadelphia MRF	Allentown MRF
Address:	150 St. Charles St, Newark, NJ 07105	864 Julia St, Elizabeth, NJ 07201	5201 Bleigh Ave, Philadelphia, PA 19136	799 Smith Ln, Northampton, PA 18067
Description of the facility:	Our Newark MRF has been in continuous operations since 2003. It is centrally located in Newark, NJ, near major highways I-78, Routes 1 and 9, and the New Jersey Turnpike in the greater NYC metro area.	Our Julia Street MRF has been in continuous operation with a new system installed in 2012and is conveniently located in Elizabeth, NJ, near the Goethals Bridge in the greater NYC metro area.	Our Philadelphia MRF has been in continuous operations since 2010 and is centrally located in Northeast Philadelphia immediately off of exit 30 on Route 95, ten minutes from New Jersey.	Our Allentown MRF has been under WM operation since 2012 and is located in Northampton, PA.
Accepted materials:	Single stream recyclables	Dual stream recyclables	Single and dual stream recyclables	Single and dual stream recyclables
Restrictions on inbound materials:	No special, medical, or hazardous wastes. Zero percent allowable contamination. Specification sheets available upon request.	No special, medical, or hazardous wastes. Zero percent allowable contamination. Specification sheets available upon request.	No special, medical, or hazardous wastes. Zero percent allowable contamination. Specification sheets available upon request.	No special, medical, or hazardous wastes. Zero percent allowable contamination. Specification sheets available upon request.



	St. Charles Street MRF	Julia MRF	Philadelphia MRF	Allentown MRF
	Available	Available	Available	Available
	capacity: 1,200	capacity: 1,00	capacity: 200 tons	capacity: 200 tons
Available	tons per day	tons per day	per day	per day
capacity:	Permit capacity:	Permit capacity:	Maximum	Maximum
	1,200 tons per	2,200 tons per	capacity: 600 tons	capacity: 375 tons
	day	day	per day	per day
Available daily capacity?	Yes	Yes	Yes	Yes

MRFs Operations and Processing

·	St. Charles Street MRF	Julia MRF	Philadelphia MRF	Allentown MRF
Operating hours:	Monday – Saturday, 24 hours	Monday – Friday, 4 a.m 5:30 p.m.	Monday – Saturday, 24 hours	Monday – Saturday, 24 hours
Trucks per hour restrictions?	No truck per hour restrictions.			
Size, weight, or type of truck restrictions?	No size, weight, or type of truck restrictions.	Trucks cannot weigh over 80,000 lbs. and must be tarped prior to entering the site.	No size, weight, or type of truck restrictions.	No size, weight, or type of truck restrictions.
Equipment description:	MRF standard sorting equipment, with multiple baling capabilities and a full fleet of excavators, loaders, and forklifts.	MRF standard sorting equipment, with multiple baling capabilities and a full fleet of excavators, loaders, and forklifts.	MRF standard sorting equipment, with multiple baling capabilities and a full fleet of excavators, loaders, and forklifts.	MRF standard sorting equipment, with multiple baling capabilities and a full fleet of excavators, loaders, and forklifts.
Innovative technologies and systems:	Optical sorters	Fiber recycling system	Optical sorters	Optical sorters
Offtake agreements for sorted commodities:	Yes	Yes	Yes	Yes
Outbound material transport:	Trucks, trailers, and export containers	Trucks, trailers, and export containers	Trucks, trailers, and export containers	Trucks, trailers, and export containers
Contingency plan:	Yes, redirect to other local MRFs.			



MRFs Siting

All of the facilities outlined throughout this document are existing facilities.

	St. Charles Street MRF	Julia MRF	Philadelphia MRF	Allentown MRF
Location:	Newark, NJ	Elizabeth, NJ	Philadelphia, PA	Northampton, PA
Leased or owned and terms:	Lease agreement in place through July 2026	WM owned	WM owned	Lease agreement in place through September 2023

MRFs Permitting

	St. Charles Street MRF	Julia MRF	Philadelphia MRF	Allentown MRF
Permitted to accept all "acceptable materials"?	Yes	Yes	Yes	Yes
Permit expiration:	County Class A approval has no expiration date. The facility's storm water permit expires January 2023.	August 2023	Inspected by the Pennsylvania Department of Environmental Protection. No permit required to operate.	Inspected by the Pennsylvania Department of Environmental Protection. No permit required to operate.
Anticipated changes to permitted capacity or other permit conditions?	No	No	No	No

MRFs Financing

	St. Charles Street MRF	Julia MRF	Philadelphia MRF	Allentown MRF
Tip fee and is it contingent on market conditions or other factors?	Tip fees are contingent on market conditions and other factors.	Tip fees are contingent on market conditions and other factors.	Tip fees are contingent on market conditions and other factors.	Tip fees are contingent on market conditions and other factors.
Willing to enter into agreements to accept material from CWZ awardees? If so, are there any restrictions?	Yes, willing to enter into agreements. No restrictions.	Yes, willing to enter into agreements. No restrictions.	Yes, willing to enter into agreements. No restrictions.	Yes, willing to enter into agreements. No restrictions.





3 | ORGANICS PROCESSING

Acronym Definitions

CORe: Centralized Organics Recycling

SSO: Source separated organics

EBS: Engineered bioslurry

Organics Processing Facilities Overview

3	Varick CORe	Flora Street CORe
Address:	221 Varick Ave, Brooklyn, NY 11237	847 Flora St, Elizabeth, NJ 07201
	WM's CORe® process is a centralized,	WM's CORe® process is a centralized,
	source-separated food waste	source-separated food waste
	processing facility. It takes a	processing facility. It takes a
Description of	combination of pre- and post-consumer	combination of pre- and post-consumer
the facility:	food wastes and produces a high-	food wastes and produces a high-
	quality product designed for co-	quality product designed for co-
	digestion in municipal anaerobic	digestion in municipal anaerobic
	digesters.	digesters.
Accepted	SSO, yard waste, liquid food waste,	SSO, yard waste, liquid food waste,
materials:	and FOG (fats, oils, and greases)	and FOG (fats, oils, and greases)
Restrictions on		
inbound	No more than 20% contamination	No more than 20% contamination
materials:		
Available	Permit capacity: 500 tons per day	Permit capacity: 500 tons per day
capacity:	Terrific capacity. 300 tons per day	Termit capacity. 300 tons per day
Available daily	Yes	Yes
capacity?	1 65	1 65

Organics Processing Operations and Processing

	Varick CORe	Flora Street CORe
Operating hours:	Monday – Saturday, 24 hours	Monday – Friday, 7 a.m. – 5 p.m., restricted receiving available 24 hours
Trucks per hour restrictions?	No truck per hour restrictions	No truck per hour restrictions



	Varick CORe	Flora Street CORe
Size, weight, or type of truck restrictions?	No size, weight, or type of truck restrictions	Tanker trucks only allowed in the facility from 7 a.m. – 10 p.m.
Equipment description:	Our CORe equipment sorts contamination and makes our final EBS product. Depackaging capabilities available.	Our CORe equipment sorts contamination and makes our final EBS product. Depackaging capabilities available.
Innovative technologies and systems:	CORe process and technology WM CORES Process - Converting Organic Food https://youtu.be/TP1B3f9FRGw	CORe process and technology WM CORES Process - Converting Organic Food https://youtu.be/TP1B3f9FRGw
Unacceptable organic materials:	Wood, inorganic materials, including glass, rigid plastics, metal, chemicals, paint, hazardous liquid waste, etc.	Wood, inorganic materials, including glass, rigid plastics, metal, chemicals, paint, hazardous liquid waste, etc.
Offtake agreements for sorted commodities:	Yes	Yes
Outbound material transport:	Tanker trucks, transfer trailers, and roll offs	Tanker trucks, transfer trailers, and roll offs
Disposal facility(ies):	Newtown Creek Wastewater Resource Recovery Facility	Rahway Valley Sewerage Authority
Contingency plan:	Yes, divert inbound materials to Flora CORe in Elizabeth, NJ	Yes, divert inbound materials to Varick CORe in Brooklyn, NY

Organics Processing Siting

All of the facilities outlined throughout this document are existing facilities.

	Varick CORe	Flora Street CORe
Location:	Brooklyn, NY	Elizabeth, NJ
Leased or owned and terms:	WM owned	WM owned



Organics Processing Permitting

	Varick CORe	Flora Street CORe
Permitted to accept all "acceptable materials"?	Yes	Yes
Permit expiration:	Renewal pending	Expires May 2024
Anticipated changes to permitted capacity or other permit conditions?	No	No

Organics Processing Financing

	9		
	Varick CORe	Flora Street CORe	
Tip fee and is it			
contingent on	Rate varies depending on contract,	Rate varies depending on contract,	
market	material, fuel and environmental costs,	material, fuel and environmental costs,	
conditions or	etc.	etc.	
other factors?			
Willing to enter			
into agreements			
to accept	Voc. willing to enter into agreements	Voc. willing to enter into agreements	
material from	Yes, willing to enter into agreements. No restrictions.	Yes, willing to enter into agreements. No restrictions.	
CWZ awardees?	No restrictions.	No restrictions.	
If so, are there			
any restrictions?			





4 | LANDFILLS

Landfills Facilities Overview

Acronym Definitions

PSW: Putrescible solid waste

C&D: Construction and demolition debris

	Atlantic Landfill	High Acres Landfill	Amelia Landfill	Fairless Landfill
Address:	3474 Atlantic Ln, Waverly, VA 23890	425 Perinton Pkwy, Fairport, NY 14450	20221 Maplewood Rd, Jetersville, VA 23083	1000 New Ford Mill Rd, Morrisville, PA 19067
Description of the facility:	Our Atlantic Landfill in Waverly, VA, serves qualified sources of waste regardless of their point of origin, including our greater NYC metro area transfer stations. This facility accepts waste by rail and truck.	Our High Acres Landfill in Fairport, NY, serves qualified sources of waste regardless of their point of origin, including our greater NYC metro area transfer stations. This facility accepts waste by rail and truck.	Our Amelia Landfill near Richmond, VA, serves qualified sources of waste regardless of their point of origin, including our greater NYC metro area transfer stations. This facility accepts waste by rail and truck.	Our Fairless Landfill in Morrisville, PA, serves qualified sources of waste regardless of their point of origin, including our greater NYC metro area transfer stations. This facility accepts waste by rail and truck.
Accepted materials:	PSW, C&D, and pre-approved special wastes including but not limited to sludge, asbestos, and contaminated soil.	PSW, C&D, and pre-approved special wastes including but not limited to sludge, asbestos, and contaminated soil.	PSW, C&D, and pre-approved special wastes including but not limited to sludge, asbestos, and contaminated soil.	PSW, C&D, and pre-approved special wastes including but not limited to sludge, asbestos, and contaminated soil.



	Atlantic Landfill	High Acres Landfill	Amelia Landfill	Fairless Landfill
Restrictions on inbound materials:	Hazardous and regulated wastes not accepted.			
Available capacity:	Available capacity: 10,000 tons per day	Available capacity: 400 tons per day	Available capacity: 2,000 tons per day	Available capacity: 3,0005,000 tons per day
	Permit capacity: 15,000 tons per day	Permit capacity: 3,500 tons per day	Permit capacity: 7,000 tons per day	Permit capacity: 18,000 tons per day
Available daily capacity?	Yes	Yes	Yes	Yes

Landfills Operations and Processing

	Atlantic Landfill	High Acres Landfill	Amelia Landfill	Fairless Landfill
Operating hours:	Monday - Friday	Monday - Friday	Monday - Friday	Monday - Friday
	6 a.m 5 p.m.	7 a.m 4 p.m.	7 a.m 4 p.m.	2 a.m 8 p.m.
Trucks per hour restrictions?	No truck per hour restrictions.	No truck per hour restrictions.	No truck per hour restrictions.	No truck per hour restrictions.
Size, weight, or type of truck restrictions?	No size, weight, or type of truck restrictions, other than DOT limits. Tipper trailers must fit on tipper.	No size, weight, or type of truck restrictions, other than DOT limits.	No size, weight, or type of truck restrictions, other than DOT limits. Tipper trailers must fit on tipper.	No size, weight, or type of truck restrictions, other than DOT limits. Tipper trailers must fit on tipper.
Equipment description:	Various heavy equipment units, including, but not limited to, dozers, compactors, tipper, excavators, etc.	Various heavy equipment units, including, but not limited to, dozers, compactors, excavators, etc.	Various heavy equipment units, including, but not limited to, dozers, compactors, tipper, excavators, etc.	Various heavy equipment units, including, but not limited to, dozers, compactors, tipper, excavators, etc.
Innovative technologies and systems:	Leachate and gas collection system.	Landfill gas to energy facility.	Landfill gas to energy facility.	Leachate and gas collection system.
Contingency plan:	Yes, divert materials to other local disposal facilities.	Yes, divert materials to other local disposal facilities.	Yes, divert materials to other local disposal facilities.	Yes, divert materials to other local disposal facilities.



Landfills Siting

All of the facilities outlined throughout this document are existing facilities.

	Atlantic Landfill	High Acres Landfill	Amelia Landfill	Fairless Landfill
Location:	Waverly, VA	Fairport, NY	Jetersville, VA	Morrisville, PA
Leased or owned and terms:	Life-of-site lease	WM owned	WM owned	WM owned

Landfills Permitting

	Atlantic Landfill	High Acres Landfill	Amelia Landfill	Fairless Landfill
Permitted to accept all "acceptable materials"?	Yes	Yes	Yes	Yes
Permit expiration:	Life-of-site permit	July 2023	Life-of-site permit	March 2026
Anticipated changes to permitted capacity or other permit conditions?	Yes, to modify the current disposal area. However, the permitted capacity will stay the same.	No	No	No

Landfills Financing

	Atlantic Landfill	High Acres Landfill	Amelia Landfill	Fairless Landfill
Tip fee and is it contingent on market	Tip fees are established based on various factors, including, but not	Tip fees are established based on various factors, including, but not	Tip fees are established based on various factors, including, but not	Tip fees are established based on various factors, including, but not
conditions or other factors?	limited to, volume commitments, waste type, etc.			
Willing to enter into agreements to accept material from CWZ awardees? If so, are there any restrictions?	Yes, willing to enter into agreements. No restrictions.	Yes, willing to enter into agreements. No restrictions.	Yes, willing to enter into agreements. No restrictions.	Yes, willing to enter into agreements. No restrictions.



PART 2 OF THE RFP – NYC COMMERCIAL WASTE ZONES APPENDIX E RFEI RESPONSES

Response to Request for Expressed Interest (RFEI)

WILENTA FEED, INC

Wilenta Feed, Inc.

46 Henry St. Secaucus, NJ 07094 201.863.3035 office 201.863.2705 fax www.wilentafeed.com

2/9/2021

Re: Request for Expression of Interest

Inbound Pricing

1. Call For pricing (pricing is different for product types)

Facility Overview

- 1. Facility drawing attached see schedule A
- 2. Wilenta Feed accepts bread, dough, cakes, cookies, candies, donuts, raw ingredients (salt, sugar, flour etc...), pasta, tortillas, tofu, soy bean and products, brewers grain, coffee grounds, liquid and dry flavoring, *May other types of products as well, please reach out if there are any questions on a specific product type and we will let you know if acceptable or not.
- 3. Products are able to be delivered in consumer packaging, and outer casing. Packaging that is not acceptable would be a hard plastic, glass, or metal.
- 4. Wilenta has NO capacity limitations. We can take as much product that there is available.
- 5. We have plenty of capacity for more material to come in. There is no issue with that.

Operations and Processing

- Wilenta Feeds facility is open 24/7 to trucks dumping material. The front office is open Monday-Friday 7:30am-5:00pm.
- 2. There are no limitations on incoming trucks per hour. The dumping process here is simple and quick.
- 3. There are no restrictions on truck size, weight, or type, our facility can handle any vehicle coming in to dump.
- 4. All by-product material comes in and is dumped onto Wilenta's tipping floor, then a front end loader sorts the material and mixes it with other by-products that are currently on the floor. All product once mixed is further processed into a finished feed.
- 5. No innovative equipment
- 6. Wilenta Does not accept Meat or Fish products, nor do we accept product in Cans or Glass.
- 7. Wilenta's finished product has various outlets.
- 8. Material leaving the facility is transported in 53' walking floor, or live floor trailers. Everything moves out in bulk.

- 9. No Secondary processors are used.
- 10. Wilenta is a Feed Manufacturing Facility
- 11. Yes, Wilenta's facility has contingency plans, we will never have to turn away a truck.

Siting

- 1. Wilenta Feed, Inc. is located at 46 Henry St. Secaucus, NJ 07094
- 2. Wilenta Feed, Inc. owns its site, and controls all aspects of operations on it.

Permitting

- 1. Yes, Wilenta is fully licensed, permitted (State and Federally), and insured to take in all material stated above.
- 2. Permits are renewed annually.
- 3. There are no anticipated changes to the permitted capacity or any other permit conditions.

Sincerely,

Michael Wilenta
Wilenta Feed, Inc.
201.863.3035 office
201.410.3309 cell
mwilenta@wilenta.com
www.wilentafeed.com

Inc. Facility Layout

