

**THE FOLLOWING CHANGES ARE PRESENTED HERE FOR
FORM O**

1. Replace Form O Table of Contents with that included here.
2. Replace Form O, Pages 1 through 5 of 5 with those included here.
3. Replace Form O, Attachment O-1, Operating Plan Narrative with that included here.

FORM O TRANSFER FACILITIES

Prepared 07/2017; Revised 03/2018, 09/2018, 04/2020, 08/2022, **09/2022**

This Form O provides procedures for waste transfer operations which includes salvaging of construction/demolition debris and recyclable materials from the incoming wastestream and typical operating practices for the facility.

Form O - Table of Contents	
FORM O (Rev 09/2022)	This Major Permit Modification
Attachment O-1 (Rev 09/2022)	Operating Plan Narrative
Attachment O-2 (Rev 04/2020)	Recycling Plan Narrative



Date Prepared/Revised <i>Prepared 07/2017</i> <i>Revised 03/2018, 09/2018,</i> <i>04/2020, 08/2022, 09/2022</i>
DEP USE ONLY
Date Received

FORM O TRANSFER FACILITIES

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form O, reference the item number and identify the date prepared. The "date prepared/revised" on any attached sheets needs to match the "date prepared/revised" on this page.

General References: Chapters 279 and 293

SECTION A. SITE IDENTIFIER

Applicant/permittee: *Boyd Roll-Off Services, Inc.*

Site Name: *Boyd Waste Transfer & Recycling Facility*

Facility ID (as issued by DEP): *101717*

SECTION B. OPERATING PLAN

1. Description of general operations of the facility:
See Attachment O-1, B1.

2. Source(s) of Waste:
a. Waste Origin: *See Attachment O-1, B2.*

b. Composition: *See Attachment O-1, B2.*

c. Weight or volume (cubic yards, tons): *1,000-tons/day (maximum) See Attachment O-1, B2.*

SECTION B. OPERATING PLAN (Continued)

3. Equipment to be used: *See Attachment O-1, B3.*
4. Describe the equipment and procedures for waste measurement: *See Attachment O-1, B4.*
5. Describe how wastes, not approved by the Department, will be prevented from being accepted at the facility.
See Attachment O-1, B5.
6. Loading rate: *See Attachment O-1, B6.*
7. Capacity of facility: *1,000-tons/day*
8. Expected life: *See Attachment O-1, B8.*
9. Outline the plan for alternative waste handling or disposal during periods when the proposed facility is not in operation, including procedures to be followed in case of equipment breakdown. Procedures may include the use of standby equipment, extension of operating hours, and contractual agreements for diversion of wastes to other facilities. *See Attachment O-1, B9.*
10. Describe the design, capacities and operation of any leachate storage facilities which are to be installed at the transfer facility.
See Attachment O-1, B10.
11. Describe how the installation and operation of this facility will be consistent with requirements of Act 1988-101.
See Attachment O-1, B11.
12. Where above ground or subsurface storage tanks are to be used, provide details as to the basis for their design and installation.
See Attachment O-1, B12.
13. Outline the plan for hiring and training equipment operators and other personnel concerning the operation and approved design of the facility.
See Attachment O-1, B13.
14. Operating hours of facility: *See Attachment O-1, B14.*
15. Describe procedures for collection, disposal or treatment of rinse water and leachates produced at the site.
See Attachment O-1, B15.

SECTION B. OPERATING PLAN (Continued)

16. Drawing indicating area for isolating detected radioactive waste.

See Attachment O-1, B16.

17. Drawing indicating location of radioactive monitoring equipment.

See Attachment O-1, B17.

SECTION C. PLAN FOR ACCESS ROADS

1. Design, cross-sections. and specifications for access roads, including load limits.

See Attachment O-1, C1.

2. Describe the access road plan, including designs, cross-sections and specifications.

a. Explain how the access roads will be designed, constructed and maintained to prevent runoff and erosion and sedimentation to streams.

See Attachment O-1, C2.

b. Will streams or waterways be crossed? Yes No

If yes, explain how the applicant will meet the requirements of Chapter 105.

SECTION C. PLAN FOR ACCESS ROADS (Continued)

- c. Describe the drainage system for temporary and permanent roads to be located at the proposed facility.

See Attachment O-1, C2.

- d. Surfacing or paving of access roads.

asphalt

gravel

cinders

other equivalent material (explain) _____

Will the grade of any access road be greater than 12%? Yes No

If yes, explain

- e. Explain the locations, widths and methods of maintenance for **all** access roads to be located on the proposed permitted facility and property. *See Attachment O-1, C2.*

SECTION D. ACCESS CONTROL

1. Describe the gate or other barrier to be constructed and maintained at potential vehicular access points to block unauthorized access to the site. Include the heights, dimensions, and construction materials. *See Attachment O-1, D1.*
2. Describe the fence or other suitable barrier to be constructed and maintained around the facility to prevent unauthorized access. Include the heights, dimensions, and construction materials. *See Attachment O-1, D2.*
3. Describe the site security provisions. *See Attachment O-1, D3.*

SECTION E. SOIL PLAN

1. Plan to manage surface water and control erosion during phases of construction and operation of the permit area. Calculations shall be based on 25 year, 24-hour precipitation events. *See Attachment O-1, E1.*
2. Plan should include dimensions of diversion ditches (length, gradient, cross section for configuration by reach) and capacities of ditch volume by reach. Design calculations should be included. *See Attachment O-1, E2.*
3. Plan for collection, disposal or treatment of rinse water and leachate. *See Attachment O-1, E3.*

SECTION F. SOIL AND GROUNDWATER MONITORING PLAN (If required by the Department)

Not Applicable

SECTION G. NUISANCE CONTROL PLAN

Plan to prevent and control hazards or nuisance from vectors, odors, noise, dust, and other nuisances not otherwise provided for in the permit application. Plan must provide for routine assessment of vector infestation and for countermeasures to be taken. Plan may include a control program involving a contract for an exterminator. *See Attachment O-1, G.*

SECTION H. LITTER CONTROL PLAN

Describe the litter control plan and explain how the operator will prevent litter from blowing or becoming deposited off-site

- a. Explain the types, locations and maintenance procedures for litter fences to be used at the proposed facility.

See Attachment O-1, H.

- b. Explain the frequency of litter pick-up and disposal.

See Attachment O-1, H.

**FORM O
ATTACHMENT O-1
OPERATING PLAN NARRATIVE**

FORM O
ATTACHMENT O-1

BOYD ROLL-OFF SERVICES, INC. TRANSFER STATION

SECTION A. SITE IDENTIFIER

This Form O addresses the operations at the Boyd Waste Transfer & Recycling Facility, a solid waste transfer station located in McKees Rocks Borough, Allegheny County, Pennsylvania. The facility will operate under a Solid Waste Permit issued by the Pennsylvania Department of Environmental Protection in accordance with the Pennsylvania Code Title 25 {Environmental Protection}, Chapter 279 {Transfer Facilities} of the Municipal Waste Regulations.

SECTION B. OPERATING PLAN

B1. Description of general operations of the facility:

The Boyd Roll-Off Services, Inc. Transfer Station will be developed on an approximate four (4) acre site located at 1107 Thompson Avenue, McKees Rocks, Pennsylvania 15136. The facility will consist of three separate buildings along with designated facility support areas. The office/maintenance building will be a 120-ft x 80-ft structure to facilitate operation of the adjacent truck scales, storage of facility records, and maintenance of trucks and equipment. The primary transfer station building will be a metal siding steel structure 120-ft x 120-ft with walls on four sides and access doors in the front of the building for collection vehicles to access the tipping floor. The secondary transfer station building will be a metal siding steel structure 110-ft x 70-ft with walls on four sides and access doors in the front of the building for collection vehicles to access the tipping floor. The doorways shall be open when the building is being accessed by customers and when transfer trailers are being moved. Operations at this facility will include municipal waste transfer and material recycling. Materials collected from commercial and residential customers will be deposited directly onto the transfer station tipping floor, consolidated and reloaded into transfer trailers for transport to a permitted solid waste disposal facility.

Waste collection vehicles will enter and exit the facility from Thompson Avenue. Rollaway access gates will be closed during hours when the facility is not operating. The facility will utilize a perimeter fence and other barriers to control site access. An entrance sign indicating the name of the facility, PADEP solid waste permit number, and operating hours will be installed along Thompson Avenue. Signs will be posted on the premises indicating safety procedures and administrative procedures to be followed. The collection vehicles will proceed directly onto a weight scale prior to entering the transfer building. As each truckload of waste enters the scale the load will be monitored and managed for radioactive materials in accordance with the Radiation Protection Plan (Form X) for this facility. The driver will identify himself over a two-way radio or verbally to the scale operator. The scales will be located directly adjacent to the office/maintenance building. The origin, type and weight of the waste will be recorded. The collection vehicle will proceed to the transfer station building where the tipping floor access will be located. The collection vehicle will back-up onto the tipping floor inside the transfer building and discharge the waste load. The collection vehicle will then exit the site through the outbound scale. If necessary, the empty collection vehicle may be re-

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weighed to establish a tare weight, so that the weight of the delivered waste may be computed. The recorded difference in incoming and outgoing truck weight is the basis used to charge the customer and is also used to calculate the host fee. All incoming refuse will be recorded by the site and reported quarterly to PADEP.

The waste on the tipping floor will be maneuvered and loaded into open top transfer trailers with a front-end loader or hydraulic excavator thumb. A section of the rear wall structure may be reinforced with large concrete block or a poured reinforced concrete push wall. The push wall will assist in compacting and crushing the waste materials while allowing the equipment to capture the waste material and minimize scattering. The transfer trailers will enter the transfer building from the north side of the building and exit the transfer station building from the south side of the building. The transfer trailer loading bay floor will be lower than the tipping floor to assist the loading operation. A walkway will be provided on each side of the transfer trailer loading bay to allow operators to properly secure the transfer trailer cover before it leaves the transfer building.

Putrescible waste will normally be transported to the designated processing or disposal facility the same day or in the morning of the following operating day. Since resource recovery facilities or landfills do not receive solid waste after mid-day on Saturdays, it is possible that putrescible waste may remain in tarped transfer trailers from Saturday evenings through early Monday mornings. Also on holidays, it is possible that waste materials will remain in tarped transfer trailers from Saturday evenings to early Tuesday mornings. Inclement weather may also interfere with meeting the 24-hour putrescible waste storage limitation. Therefore, the site may store putrescible waste inside covered or tarped transfer trailers within the permit boundary of the facility for periods up to 72-hours over regular or three-day weekends. The number of transfer trailers stored within the permit boundary shall not exceed eight (8) trailers at any one time. After the waste has been loaded into the trailer for storage it may be sprayed with an odor neutralizer prior to being tarped.

The solid water transfer facility has an expected life of up to 50-years of continuous operation. Routine and emergency repairs will be performed as required. Handling procedures will provide the highest degree of safety to the operator and the environment. Clean-up procedures will be conducted each day when the transfer facility is operational. Clean-up procedures will generally consist of dry sweeping, brooming, or blading and/or washing of the tipping floor.

A daily operational record will be compiled and maintained on a Department of Environmental Protection supplied form for each day that solid waste is received and transported off-site. Information compiled shall be in accordance with Pennsylvania Code, Title 25, Section 279.251 of the Municipal Waste Regulations.

Each year, on or before June 30, an Annual Operation Report will be submitted to the Department of Environmental Protection on a form supplied by the Department.

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Information submitted in this Annual Operation Report shall be in accordance with Pennsylvania Code, Title 25, Section 279.252 of the Municipal Waste Regulations.

Salvaging of Recyclable Materials:

Waste transfer operations at this facility shall include salvaging of construction/demolition debris and recyclable materials from the incoming wastestream. Salvageable construction/demolition debris may include but not be limited to wood, brick, and concrete materials. Construction/demolition debris shall be transported to an approved landfill or construction/demolition waste recycling facility. Salvageable waste materials for recycling may include but not be limited to cardboard, metal, paper, glass and plastic materials. Recyclable waste materials shall be transported to an approved recycling facility. The salvageable construction/demolition debris and recyclable materials shall be non-putrescible waste which is inert and free of any visible contamination.

Prior to initiation of salvaging activities for construction/demolition debris, Boyd Transfer & Recycling shall determine specific materials to be separated from the incoming waste stream for which there is a recyclable market value. Common construction/demolition waste materials such as wood, brick and concrete are currently marketable and recycled with few limitations. The construction/demolition waste materials which are separated from the incoming waste stream will be transported off-site to a reputable processing facility for recycling of the waste material into a beneficial use material. Company policy requires site inspection and due diligence prior to utilization of any third party processing facility. Markets for recycled wood may include processing into mulch and use as boiler fuel. Markets for recycled concrete and brick may include aggregate, concrete and block production. It is projected that the future increase in construction/demolition debris recycling will continue to develop markets for these recoverable materials.

As incoming waste loads are transported into the transfer station building, equipment operators and/or spotters will speak with the vehicle driver and/or visually examine the waste load to determine the contents of the incoming waste load. The waste vehicle staging area for tipping building access will be located within the facility permit boundary. In the event that the waste load consists mainly of recoverable materials, the vehicle driver will be directed to a separate designated area on the tipping floor for emptying of the waste load. The equipment operators and/or spotters will visually inspect the waste load to verify that there is no visible contamination from putrescible waste prior to the waste materials being emptied onto the transfer station tipping floor. This designated area will be located away from the main working area of the tipping floor where municipal solid waste is being accepted and loaded into transfer trailers to prevent contamination of the recoverable materials.

Recyclable materials shall be segregated from the incoming wastestream at the designated location on the tipping floor concurrently as municipal solid waste is being

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loaded into transfer trailers for transport to an approved municipal solid waste landfill. The physical entry of site personnel onto the tipping floor during acceptance of incoming waste loads for the purposes of salvaging recoverable materials will not be permitted at this facility. Any recoverable materials to be salvaged from the incoming wastestream shall be primarily conducted with the use of mechanical equipment (i.e., front-end loader, grappling device). Minimal manual sorting may occur during periods where there is not equipment or customer activity within the tipping floor area. Salvaging activities shall be conducted so as not to impede the acceptance of incoming waste loads and prompt loading of waste materials into transfer trailers.

The segregated materials shall be sorted, as required, prior to loading the materials into staged roll-off boxes to be initially located on the tipping floor inside the transfer station building. Roll-off boxes will be located along the inside wall of the transfer station building so as not to impede waste acceptance and transfer operations. Sorting of recoverable materials will be conducted by both physical and mechanical means during periods of transfer station operation inactivity and/or at the end of the work day. It is anticipated that future recycling activities at this facility may include the installation of a downchute leading to a stationary compactor to be located outside the transfer station building for the acceptance of cardboard. The segregated materials will be visually inspected during sorting activities to ensure that the recovered materials are non-putrescible waste which are inert and free of visible contamination. Any contaminated materials or other waste which is not recoverable will be removed by mechanical means and loaded into a transfer trailer.

Roll-off boxes containing recovered materials will be initially staged outside the transfer station building in the designated staging area for partially filled containers located within the facility permit boundary while in the process of being filled is completed. Initial filling of the roll-off boxes shall be performed in the transfer station building; final filling may be completed outside the transfer station building where equipment will have better access for final filling of the containers. Filled containers shall then be securely tarped and maybe staged in the designated staging area for completely filled containers located within the facility permit boundary prior to hauling to an off-site facility. The staging areas shall be managed so as not to impede incoming waste hauling vehicles from reaching the transfer station tipping floor or waste transfer trucks from entering and leaving the facility. The maximum amount of waste to be on-site at any time shall not exceed **1,000**-tons as set forth in the solid waste permit for this facility which shall include municipal solid waste and recoverable materials located on the tipping floor and stored in roll-off boxes and transfer trailers.

Salvaging of recyclable materials shall be controlled to prevent interference with prompt and sanitary operation of the facility and to prevent a health hazard or nuisance. Salvaging activities shall be conducted within the transfer station building to minimize issues with stormwater, air pollution, blowing litter and leachate collection. Any containers located outside the transfer station building which contain construction/demolition or recyclable materials shall be fully enclosed and covered with a

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tarp to minimize exposure to the environment when not being actively filled. Staged containers which contain construction/demolition debris or recyclable materials shall be removed from the facility once filled or at a time convenient for trucking.

E-Waste Materials:

Operational procedures are provided here for the acceptance, sorting, and storage of electronic devices prior to shipment to a facility permitted for the processing, recycling or reuse of E-waste. It is anticipated that E-Waste will arrive in loads collected by Boyd Roll-Off vehicles or third parties as well as from public drop-off of E-Waste at the facility.

- Boyd Roll-Off or third-party collections of E-Waste and residents dropping off E-Waste materials will enter the facility through the main entrance and will proceed to the on-site scales / office area. Vehicles will be required to travel over the scale and through the fixed portal radiation monitors. The weights of individual E-Waste pieces received will not be recorded or reported.
- E-Waste will be deposited in a corner of the transfer building where it will be separated from other waste materials. Alternatively, E-Waste may be taken directly to the longer-term staging area identified on Figure 1.
- E-Waste materials will be accumulated in the holding bunker in the transfer station building until there is sufficient material to allow for the efficient removal of the materials for longer term staging. The E-Waste materials will not be removed from the bunker at a set frequency; site personnel will remove the materials when sufficient material is present.
- The longer-term staging of E-Waste awaiting removal from the site shall occur in the staging area identified on Figure 1. E-Waste will be staged in box trailers, shipping containers, sheds or other covered containers compliant with PADEP 25 Pa Code Section 279.215(a) and Section 293.215(a).
- Unbroken CRTs will be accepted as part of the E-waste stream. Under current EPA regulations, used, unbroken Cathode Ray Tubes (CRTs) are not regulated as hazardous waste unless they are stored for more than a year. Boyd Roll-Off Services does not intend to store CRTs on site for more than one year. The CRTs shall not be accumulated speculatively; therefore, a minimum of 75% of them shall be sent off-site for recycling within a calendar year, for tracking purposes. CRTs shall not be exported outside of United States.
- No E-Waste processing activities such as breaking down E-Wastes to individual components or extraction of metals from components of the equipment by chemical means will be performed at this facility.

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- Once sufficient material has accumulated in the bunker located in the transfer station building, the materials will be sorted, palletized, shrink-wrapped, and moved by site personnel to a covered storage area.
- Storage (including CRTs) will not exceed one year. Once sufficient E-Waste materials are staged, they will be transported off-site. E-Waste will be loaded into trucks for hauling to a permitted processing facility. E-Waste shall be hauled to a facility reported to have certification through: the Responsible Recycling (R2) Practices Standard, the e-Stewards standard, an internationally accredited third-party environmental management standard or other certification recognized by the PADEP. The E-Waste transfer trucks will be weighed as they enter the site and exit the site to determine the amount of E-Waste transported from the site.
- The total weights of e-waste materials removed from the site will be documented with the Annual Operations Report and other recyclables reporting.
 - a. E-Waste materials that are dropped off by an individual shall be tracked by the originating county as identified by the customer.
 - b. Boyd Roll-Off will collect E-Waste separately from regular waste collection from residential or commercial customers. The Boyd Roll-Off collection truck drivers are trained to not accept or place any identifiable E-Waste materials into a waste collection truck as part of a normal waste collection pickup. The drivers are to place a tag on the E-Waste identifying that the customer is to call the Boyd Roll-Off office and arrange for a separate collection which will avoid any potential mixing of E-Waste materials with other waste materials. The geographic areas where individual E-Waste materials are collected and hauled to the transfer station will be documented and the weights of the collected E-Waste materials will be tracked and reported based on the geographic areas of material collection.
 - c. For the rare case where identifiable E-Waste is observed in mixed waste loads dumped at the transfer station, attempts shall be made to identify which load the E-Waste material was removed from and the area the load originated from. If it can be determined which load the E-Waste material originated from, the county within which the waste was collected shall be identified and tracked.

To allow for this county source tracking, E-Waste weights and county of origination will be recorded based on the material arriving at the site. E-Waste leaving the site will be weighed for tracking.

- E-waste may be transferred off-site during normal operating hours. The off-site shipment of E-Waste materials will be performed based on trucking schedules and efficiencies.

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- E-waste shall be handled, sorted, staged and re-loaded separate from other non-related recyclable items or wastes.

B2. Source(s) Of Waste:

a. Waste Origin:

Boyd Roll-Off Services, Inc. Transfer Station will accept municipal solid waste from residential, commercial, and industrial generators located within Allegheny County as well as neighboring counties such as Beaver, Butler, and Westmoreland Counties. Waste materials are expected to be primarily from nearby communities and primarily residential in nature.

All solid waste from Boyd Roll-Off Services, Inc. Transfer Station will be transported to an approved disposal facility. The delivery of solid waste to these facilities will be in accordance with the Allegheny County Municipal Waste Management Plan as approved by PADEP.

b. Composition:

Municipal solid waste, construction and demolition debris, white goods, and approved solid residual wastes are expected to be handled at the transfer station. The municipal waste will be typical household waste, consisting of cardboard, glass, cans, waste paper, wood scraps, and putrescibles. The commercial and industrial waste (i.e., residual waste) typically will be cardboard, glass, ferrous and nonferrous metals, waste paper, and general processing waste.

In accordance with §279.272(a) of the Municipal Waste Regulations, a public drop-off container will be located on-site for the collection of recyclable materials including cardboard (corrugated paper), plastics and steel/bimetallic cans.

c. Weight or Volume:

The proposed maximum weight limit accepted at this facility is **1,000**-tons per day.

B3. Equipment to be used:

The facility will have the following equipment on-site for facility operations:

- Truck Scale - The truck scale will have an approximate 10-ft x 70-ft platform size and 50-ton capacity. The specific make and model will be determined during site development.

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- Wheel Loader, excavator or other equipment suitable for loading transfer trailers – The specific make and model will be determined based on conditions and availability.
- Transfer Trailers - The number of transfer trailers to be utilized at the facility will depend on waste acceptance volumes at the facility.

B4. Equipment and Procedures for Waste Measurement:

Daily operation methodology is detailed under Section B1 of this Form O Narrative. Incoming collection vehicles will proceed to the scales to be gross weighed on a truck scale. After transfer of the waste, the collection vehicles will proceed back to the scales to be re-weighed if required. Empty truck weights will be recorded for regular users of the facility and kept on file. Periodically these trucks will be reweighed to verify empty weights. All outgoing transfer trailers will be weighed.

B5. Describe how wastes, not approved by the Department, will be prevented from being accepted at the facility.

a. Special Handling and Residual Waste:

An ongoing program of waste monitoring will be implemented to prevent unacceptable special handling and residual wastes from being accepted at this facility. Trained transfer station personnel and posted signs will alert incoming drivers as to acceptable and unacceptable wastes before unloading. Each load will be visually inspected by site personnel for the presence of any unauthorized waste type. If questionable material is found, the waste will be reloaded onto its carrier and returned to its generator. An incident report will be filed on the generator's account. Any account which demonstrates a pattern of disregard for PADEP regulations on special handling waste will not be allowed to use the facility.

In the event that unacceptable waste is identified after a vehicle leaves, the loader operator will separate the unacceptable waste and place it in an unused area of the transfer station building. A site manager will be alerted to the situation and will determine the proper course of action, including determining where the waste came from, the nature of the unacceptable waste, and proper disposal techniques.

As an additional safeguard against the acceptance of unapproved wastes, each hauler or generator who wishes to utilize the transfer station may be required to complete a service agreement which stipulates the types of waste materials which are not accepted at the facility.

b. Hazardous and Explosive Waste:

The same waste monitoring program described in Section B5.a will be implemented to prevent any explosive or hazardous waste from entering the

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facility. In the event that any material of this nature enters the facility, Boyd Roll-Off Services, Inc. will require the transporter/generator to properly manage the waste or contact an approved, licensed hazardous waste transporter to conduct a safe removal in compliance with applicable regulations.

B6. Loading Rate:

The **1,000**-tons/day facility loading rate may be adequately processed by **a minimum of two** wheel loaders, excavators or equivalent equipment operating at approximately 41.7-tons/hour production rate within a 12-hour operating shift. **This equipment will be utilized simultaneously in the primary and secondary transfer station buildings.** Loading rates will vary dependent upon incoming flow rates and transfer trailer availability. Every reasonable attempt will be made to keep the tipping floor clear of material and all material promptly loaded into the transfer trailers. All waste material will be removed from the tipping floor at the end of daily operations.

B7. Capacity of Facility:

The facility will be developed to accept a maximum daily volume of **1,000**-tons/day.

B8. Expected Life:

The expected life of the facility is 50-years, depending upon economic and regulatory factors.

B9. Outline the plan for alternative waste handling or disposal during periods when the proposed facility is not in operation, including procedures to be followed in case of equipment breakdown. Procedures may include the use of standby equipment, extension of operating hours, and contractual agreements for diversion of wastes to other facilities.

Operation of the facility would not be affected for an extended period due to equipment failure. A breakdown contingency plan would be implemented if a failure of the main loading equipment occurs. Extended hours of operation would be implemented, as required, to clear the tipping floor of any accumulated waste present at the time of equipment failure. If equipment repairs are extensive, arrangements will be made to secure a rental unit to ensure the normal resumption of transfer operations during the repair period. If an equipment failure is encountered, collection vehicles will continue to dump waste on the tipping floor. In the event that no further waste could be accepted at the transfer station, all collection vehicles would be diverted directly to a designated alternate disposal facility.

B10. Describe the design, capacities and operation of any leachate storage facilities which are to be installed at the transfer facility.

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Any leachate and wash water collected within the transfer station will be conveyed to the public sanitary sewer system.

B11. Describe how the installation and operation of this facility will be consistent with requirements of Act 1988-101.

A daily operational record will be maintained at the facility to ensure compliance with Act 101. This record shall include, but is not limited to the following:

IN COMING WASTE DATA COLLECTED FOR EACH VEHICLE:

- Waste type, weight, and county of origin; and
- Waste transporter.

OUT GOING WASTE DATA COLLECTED FOR EACH VEHICLE:

- Waste type and weight; and
- Waste destination (i.e., name of facility, county and state location)

B12. Where above ground or subsurface storage tanks are to be used, provide details as to the basis for their design and installation.

The site is expected to have the following on-site storage tanks:

- One 500-gallon (approximate) aboveground storage tank for off road diesel fuel with secondary containment,
- One 1,000-gallon (approximate) aboveground dual-wall storage tank for on road diesel fuel with secondary containment.

B13. Outline the plan for hiring and training equipment operators and other personnel concerning the operation and approved design of the facility.

Equipment operators shall be trained in the operational requirements and limitation of the facility, including proper use of waste handling equipment and facility safety equipment. All facility personnel shall be trained in the proper procedure for recognizing and reporting unauthorized types of waste and will be made familiar with the Preparedness, Prevention and Contingency Plan (Form L) for this facility.

Boyd Roll-Off Services, Inc. supervisory and management personnel shall be chosen and hired for their ability and knowledge of current solid waste management practices. Management shall be responsible for undergoing training to assure that the facility is operated in accordance with approved design criteria and applicable solid waste regulations.

All prospective employees will be given a pre-employment physical and drug test as per company policy.

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B14. Operating Hours of Facility:

The following operating hours apply to this facility:

Activity	Hours
Public Waste Acceptance	7:00-am to 4:00-pm M-F and 8:00-am to 12:00-pm Sat, or as posted at facility entrance and office
Waste Transfer Station Operations (Includes sorting and loading materials in transfer building. Spotter to be present in transfer building during all waste dumping operations.)	Midnight to 5:00-pm M-F & Midnight to 3:00-pm Sat
Hauling Operations (This includes staging empty transfer trailers, removing full transfer trailers and hauling/trucking operations including maintenance and trucks entering/exiting facility.)	24 hours per day, 7 days per week
Maintenance/Emergency Activities	24 hours per day, 7 days per week

The facility truck scale will be utilized for the acceptance of waste hauling vehicles into the facility. A licensed weighmaster shall be on-site operating scales during all waste acceptance periods. A spotter will be present to observed discharged waste during waste acceptance in the transfer building.

B15. Describe procedures for collection, disposal or treatment of rinse water and leachates produced at the site.

Any leachate and wash water collected within the transfer station shall be conveyed to the public sanitary sewer system.

B16. Drawing indicating area for isolating detected radioactive waste.

Refer to the Radiation Protection Action Plan (Form X) for this facility which provides the designated location of the isolation area for detected radioactive waste.

B17. Drawing indicating location of radioactive monitoring equipment.

Fixed radioactive material monitoring equipment will be installed at the leading ramp to the truck scale. Refer to the Radiation Protection Action Plan (Form X) for this facility which provides the designated location for fixed radioactive monitoring equipment.

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SECTION C. PLAN FOR ACCESS ROADS

C1. Design, cross-sections and specifications for access roads, including load limits.

Access to the transfer station will occur over an existing bituminous private driveway which intersects Thompson Avenue. Transfer station roadways and travel areas will be constructed with a bituminous concrete (i.e., asphalt) pavement section capable of supporting heavy truck traffic.

C2. Describe the access road plan, including designs, cross-sections and specifications.

a. Explain how the access roads will be designed, constructed and maintained to prevent runoff and erosion and sedimentation to streams.

Transfer station roadways and travel areas will be constructed such that a positive slope is maintained across the pavement section to promote drainage of any surface water runoff to stormwater inlets or to adjacent areas which are stabilized.

b. Will streams or waterways be crossed?

No streams or waterways will be crossed within the proposed permit boundary for the transfer station facility.

c. Describe the drainage system for temporary and permanent roads to be located at the proposed facility.

Transfer station roadways and travel areas will be constructed such that a positive slope is maintained across the pavement section to promote drainage of any surface water runoff to stormwater inlets or to adjacent areas which are stabilized. No temporary roads will be installed as part of development of the transfer station facility.

d. Surfacing or paving of access roads.

Transfer station roadways and travel areas will be constructed with a bituminous concrete (i.e., asphalt) pavement section capable of supporting heavy truck traffic. The trailer parking area and container storage area will be constructed with a bituminous concrete (i.e., asphalt) pavement section capable of supporting heavy truck traffic. No grade will be greater than 12%.

e. Explain the locations, widths and methods of maintenance for all access roads to be located on the proposed permitted facility and property.

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Transfer station roadways, travel areas and parking areas will be located as shown on the site plan drawing. Roadways will be constructed with a width of 11-feet to promote one-way traveling of waste hauling vehicles within the site boundaries. These areas will be continuously monitored for any signs of deterioration. Any areas of pavement failure will be promptly repaired.

SECTION D. ACCESS CONTROL

- D1. Describe the gate or other barrier to be constructed and maintained at potential vehicular access points to block unauthorized access to the site. Include the heights, dimensions, and construction materials.**

A chain link access gate will be installed at the vehicle access points to the property. The gates will be securely closed and locked during non-operating hours.

- D2. Describe the fence or other suitable barrier to be constructed and maintained around the facility to prevent unauthorized access. Include the heights, dimensions, and construction materials.**

A chain link fence will be installed along the western, southern and eastern perimeter of the transfer station facility. A stream channel, trees and vegetation are located along the southern perimeter of the property. Access gates will be installed at the vehicle access points to the property. The gates will be securely closed and locked during non-operating hours. The fence, gates and natural obstructions will prevent any unauthorized access to the transfer station facility.

- D3. Describe the site security provisions.**

Security at the facility will be enhanced through the use of a window in the office building which will provide visibility to operations on the site. All vehicles entering the facility must enter the scale and register at the office. A professional security and fire alarm system may be utilized. Security lighting will be provided by lights mounted on building exteriors and on poles.

Visitors to the facility must check in at the office, sign a visitors log and be issued any appropriate personal protective equipment prior to entering the operation area. All visitors must be accompanied by a facility employee while on the premises.

SECTION E. SOIL PLAN

- E1. Plan to manage surface water and control erosion during phases of construction and operation of the permit area.**

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Erosion and sedimentation will be controlled during construction activities at the site by installing necessary best management practices. Once the site is developed, best management practices will be utilized to manage surface water runoff and promote groundwater recharge.

E2. Plan should include dimensions of diversion ditches and capacities of ditch volume by reach.

This section is not applicable, as there are no diversion ditches to be maintained on site.

E3. Plan for collection, disposal or treatment of rinse water and leachate.

Any leachate and wash water generated within the transfer station will be collected and conveyed to the sanitary sewer system.

SECTION F. SOIL AND GROUNDWATER MONITORING PLAN

No soil or groundwater monitoring is necessary at this facility.

SECTION G. NUISANCE CONTROL PLAN

A sanitation program will be implemented which includes rinsing with a water spray. The following steps will be performed on an as-needed basis:

- a. All solid waste in the building is swept up using hand brooms or the front-end loader. The solid waste will then be disposed into proper containers.
- b. The concrete floor will be hosed with a water spray.
- c. Finally, the floor will be cleaned of sediment and disposed of into proper containers with other municipal solid waste.

Odors will be controlled through this sanitation program and the transfer process taking place within the building. Also, putrescible waste will be removed from the tipping floor as described in Section B1 to minimize odors. Odors are typically not allowed to generate because of the rapid processing capabilities and the sanitation program.

For putrescible waste that is stored in transfer trailers within the permit boundary for up to 72-hours, a deodorizer may be applied to the waste in the transfer trailer prior to the trailer being tarped or covered. When required, the load will be sprayed with an odor inhibitor and/or odor masking agent product.

Dust control methods include sweeping of the interior of the building as part of the sanitary program to keep dust levels in the facility at a minimum. A water spray will be employed on the access roads and grounds as needed to control dust production.

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Routine cleaning and keeping the transfer operation within the enclosed structure assist in discouraging the development of suitable habitat for rodents and/or insects. Should conditions arise where vectors exist, or if a routine program for the control or elimination of insects and rodents at the facility is required, the operations manager will institute control measures including, but not limited to, the effective use of insecticides and rodenticides. The application of these measures, if required, will be made by a licensed applicator.

Noise will be controlled by maintaining the equipment in proper operating condition and keeping all transfer operations within the building structure.

SECTION H – LITTER CONTROL PLAN

Describe the Litter Control Plan, and explain how the operator will prevent litter from blowing or becoming deposited off-site.

- a. Explain the types, locations and maintenance procedures for litter fences to be used at the proposed facility.**

The transfer station will be totally enclosed on four sides which act to reduce the amount of wind-blown litter at the site. The site will also be partially surrounded by an eight feet high fence to prevent litter from leaving the site. After a transfer trailer is loaded, it will be covered and secured with a tarp to prevent litter from escaping. Refer to the sanitation program in Section G for more information.

- b. Explain the frequency of litter pick-up and disposal.**

The transfer station property will be visually inspected for litter and cleaned as necessary. Emphasis will be placed on litter control on-site and along the access roads. Visual inspection and clean-up will occur immediately following a high wind event.