18.0 SOLID WASTE

Construction of the wind turbines, the 34.5-kV electrical collector lines, and substation for the project will generate up to an estimated 980 cubic yards of solid waste material during construction, and up to 265 yards annually thereafter. Solid waste during construction will consist of construction debris, packaging materials, associated construction wastes. During operation, office waste will be the primary source of solid waste. Any waste produced will be handled as described below.

18.1 CLEARED VEGETATION AND ORGANIC DEBRIS

Cleared vegetation will be harvested and removed as merchantable forest products, chipped and flailed on site, or burned in an upland area. Marketable timber/pulp will be removed from the project site and sold. Smaller woody debris will be mulched and used as a soil amendment or as an erosion control measure or burned in an upland area. In areas of fill around the turbine pads where trees need to be removed, stumps may be left in place and filled over to avoid unnecessary ground disturbance and minimize waste disposal of the grindings. Other stump grindings will be used to make erosion control mix berms, which will be used to augment (or substitute for) fabric silt fencing.

Disposal of stumps and other organic debris may be needed. Such disposal will be accomplished through reuse for erosion control measures or in up to two stump dumping areas. Stump dumps will be constructed in upland areas on different project parcels, each of which would have a total footprint area of less than one acre and used for stumps and debris generated on that parcel. If stump dumps are determined to be necessary, the locations will be determined by the Applicant and the contractor in consultation with the third-party inspector.

18.2 CONSTRUCTION DEBRIS AND OPERATIONAL WASTE

Waste concrete will be incorporated into the sub-base for proposed access roads and turbine pads. Concrete truck wash-down will not be allowed to flow into waters of the State (38 M.R.S.A. §464). Any general construction debris associated with the project, including packing or transportation materials, will be disposed of at appropriately licensed disposal facilities. The estimated 980 cubic yards of construction and demolition debris generated by the project will be delivered to the Juniper Ridge Landfill by a licensed solid waste hauler; Juniper Ridge has the capacity and willingness to receive this expected waste (Exhibit 18-1). Approximately 55 large truck, skidder, or tractor tires may be generated during project construction and operations. These tires will be delivered to and accepted by BDS Waste Disposal (Exhibit 18-1).

There are several types of solid waste expected to be generated as a result of this project (Table 18-1).

Following construction, a small amount of operational solid waste will be generated at the site, primarily in the form of office waste. Waste oil and filters from vehicle maintenance will be picked up and disposed of by a licensed waste oil transporter. Office waste will be collected at the Hancock O&M building by a license solid waste hauler and delivered to the Penobscot Energy Recovery Company (PERC). PERC is capable of accepting the less than 22 cubic yards per month of office trash, maintenance personnel trash, and small tires generated during project maintenance and O&M building operations (Exhibit 18-1).

Table 18-1. Anticipated solid waste[1] to be disposed of at a licensed facility

Type of Material	Turbine Areas	Collector Line	Substation Construction	Operational Waste
Stumps/Grubbings	No	No	No	No
Metal Banding	Yes	Yes	No	Yes
Disposable Metal	Yes	Yes	Yes	Yes
Cable Reels	Yes	Yes	No	No
Scrap Cable	Yes	Yes	No	No
Insulators	Yes	Yes	No	No
Broken Porcelain[2]	No	No	No	No
Building Insulation	No	No	Yes	Yes
Waste Oil and Filters	No	No	No	Yes
Damaged Culverts	Yes	Yes	No	No
Tires	Yes	Yes	No	Yes
Office Trash	Yes	Yes	Yes	Yes
Construction Personnel Trash (bottles, cans, etc.)	Yes	Yes	Yes	No
Scraps/Junk	Yes	Yes	Yes	Yes
Total Estimated Volume	660 cubic yards	200 cubic yards	120 cubic yards	<265 cubic yards (annual)

[1]Does not include rock, earth, or wood chips (which may be used by a third party or chipped on site and used within the project area).

Exhibit 18-1

Solid Waste Capacity Letters

Operated By NEWSME Landfill Operations, LLC

August 28, 2018

Sarah B. Gravel
Stantec Consulting Services Inc.
30 Park Drive
Topsham, ME 04086

RE: Juniper Ridge Landfill Disposal Capacity

Dear Ms. Gravel,

Juniper Ridge Landfill is a State of Maine owned non-hazardous solid waste disposal facility that has the ability and capacity to accept approximately 980 cubic yards of in-state construction and demolition debris from the proposed Weaver Wind Project. As of December 31, 2017 an estimated 1,671,029 cubic yards of capacity remained at the Juniper Ridge Landfill, under license #S-20700-WD-7A-A-N (Amended #S-020700-WD-N-A).

Sincerely,

NEWSME Landfill Operations, LLC

Jeffrey Pelletier

Jeffrey Pelletier
Environmental Manager

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BDS Waste Disposal, Inc.
P.O. Box M
Corinna, ME 04928

Phone (207) 278-3833 FAX (207)278-3832

August 15, 2018

Mr. Brooke Barnes
Stantec Consulting Services Inc.
30 Park Drive
Topsham, Maine 04086

Subject: Tire Disposal Capacity Statement
Weaver Wind Project
Hancock County, Maine

Dear Mr. Barnes:

This letter is to confirm that BDS Waste Disposal, Inc, located in Norridgewock, Maine, has the capacity to accept and dispose of the estimated *55* large tires that may be generated during construction of the Weaver Wind Project in Osborn and Eastbrook.

If you have any questions, please contact me at 278-3833.

Sincerely,

Scott Matteson
General Manager
BDS Waste Disposal, Inc.

Penobscot Energy Recovery Company
P.O. Box 160 • 29 Industrial Way
Orrington, Maine 04474
(207) 825 - 4566

Esoco ORRINGTON, LLC.
Plant Operator

August 22, 2018

Ms. Sarah Boucher Gravel
Stantec Consulting Services Inc.
30 Park Drive
Topsham, Maine 04086

Re: Weaver Wind

Dear Ms. Gravel:

This letter is to confirm that Penobscot Energy Recovery Company, located in Orrington, Maine has the capacity to accept and dispose of the estimated 22 cubic yards per month of Municipal Solid Waste consisting basically of office trash, personnel trash and tires to be generated by the Weaver Wind project. The tires would need to be passenger or light pickup truck tires, no large truck tires or skidder or tractortires.

If you should have any questions please feel free to contact me at 825-4566 extension 117.

Sincerely,
Penobscot Energy Recovery Company

Gary A. Stacey
Plant Controller