

## **18.0 SOLID WASTE**

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Construction of the Bingham Wind Project (project) includes wind turbine and turbine pads, access road improvements, crane paths, meteorological towers, an Operations and Maintenance building, 34.5-kilovolt electrical collector lines, a dynamic reactive device (DRD), and an approximately 17-mile electrical generator lead. The project will generate up to an estimated 1,725 cubic yards of solid waste that will consist of construction debris, packaging material, and associated construction wastes.

Waste will be handled in the following ways.

- Waste concrete will be incorporated into the sub-base for the proposed roadway and turbine pads.
- Concrete truck wash-down will be contained and not allowed to flow to waters of the State prior to appropriate treatment.
- Cleared vegetation will be harvested and removed as merchantable forest products or chipped and flailed onsite.
- 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.
- 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. Ultimately, some stumps and other organic debris may need to be disposed of. This will be accomplished through reuse for erosion control measures, as described in Exhibit 1, or in up to two stump dump areas constructed in upland areas on different project parcels, each of which would have a total footprint area of less than one acre. If needed, the location will be determined by the applicant and the contractor in consultation with the Third-Party Inspector during construction.

Any general construction debris associated with the project, including packing or transportation materials, will be disposed of at appropriately licensed disposal facilities (see Table 18-1). Included as Exhibit 18A are capability letters indicating a nearby landfill's capacity and willingness to take waste generated by the project. The Applicants will use Waste Management Disposal Services of Maine – Crossroads Landfill (WM) and BDS Waste Disposal (BDS) for solid waste disposal.

**SECTION 18: SOLID WASTE**

Table 18-1 identifies the types of solid wastes likely to be generated by the project, and an estimate of the total cubic yards of solid waste likely to be generated and disposed. Following construction, a small amount of operational solid waste generated at the site, primarily office waste, will be collected at the Operations and Maintenance building and disposed of at a licensed facility.

**Table 18-1. Solid Waste\* Generated by this Project  
to be Disposed at a Licensed Facility**

	Collector Line	Ridgeline areas	O&M Building
Stumps/Grubbings	NO	NO	NO
Metal Banding	YES	YES	NO
Field Office Trash	YES	YES	YES
Construction Personnel Trash (bottles/cans/plastic)	YES	YES	YES
Building Insulation	NO	YES	YES
Scraps	YES	YES	YES
Disposable Metal	YES	YES	YES
Cable Reels	YES	YES	NO
Scrap Cable	YES	YES	NO
Broken Porcelain	NO	NO	NO
Insulators	YES	YES	NO
Waste Oil and Filters	NO	NO	NO
Damaged Culverts	YES	YES	NO
Tires	YES	YES	NO
Junk	YES	YES	YES
<b>TOTAL ESTIMATED VOLUME:</b>	<b>500 cubic yards</b>	<b>1,100 cubic yards</b>	<b>125 cubic yards</b>

\*Solid waste does not include: wood chips (which may be used by a third party or chipped on-site and broadcast within the project area), rock, or earth.

**Exhibit 18A: Solid Waste Capability Letters**

Waste Management Disposal Services of Maine – Crossroads Landfill

BDS Waste Disposal, Inc.



**CROSSROADS LANDFILL**

P.O. Box 629  
357 Mercer Road  
Norridgewock, ME 04957  
(207) 634-2714  
(207) 634-4519 Fax

March 18, 2013

Dale F. Knapp  
Director of Water Resources  
Stantec  
30 Park Drive  
Topsham, Maine 04086

Re: Crossroads Disposal Capacity

Dear Mr. Knapp:

Please be advised that Waste Management Disposal Services of Maine – Crossroads Landfill has a commercial solid waste disposal facility located in Norridgewock, Maine. At this time, we have approximately 4 million cubic yards of airspace remaining in our Phase 8 landfill cell.

This will be sufficient airspace to accommodate the construction and demolition debris generated from the proposed Bingham Wind Project.

If I can be of further assistance, please do not hesitate to contact me at 207-634-2714 X210.

Sincerely,

Waste Management Disposal Services of Maine, Inc. – Crossroads

A handwritten signature in black ink, appearing to read 'J. McGown'.

Jeffrey A. McGown  
District Manager

*From everyday collection to environmental protection, Think Green® Think Waste Management.*



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

**Phone (207) 278-3833**

**FAX (207) 278-3832**

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March 29, 2013

Mr. Dale Knapp  
Stantec Consulting  
30 Park Drive  
Topsham, Maine 04086

**Subject: Tire Disposal Capacity Statement  
Bingham Wind Project  
Somerset and Piscataquis Counties, Maine**

Dear Mr. Knapp:

This letter is to confirm that BDS Waste Disposal, Inc, located in Norridgewock, Maine, has the capacity to accept and dispose of the estimated 50 large tires that may be generated during construction of the Bingham Wind Project.

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

Sincerely,

A handwritten signature in blue ink that reads "Frank B. Schofield".

Frank B. Schofield  
President  
BDS Waste Disposal, Inc.