

Title	Construction Waste Management BMP
Scope of Application	<p>This document provides guidance for the management of construction wastes for projects conducted within the Northern Prairies Field Unit.</p> <p>All work in the Northern Prairies Field Unit must adhere to the <i>Canada National Parks Act (S.C. 2000, c 32)</i> and all regulations therein. Specific activities must also follow any other applicable provincial or federal acts and regulations and all measures outlined in relevant Environmental Impact Analysis documents.</p>
Approved Geographic Area of Application	Northern Prairies Field Unit (Elk Island and Prince Albert National Park)

<i>Potential Effects</i>
<i>Environmental Effects</i>
<ul style="list-style-type: none"> • <i>Vegetation, Water, and Soil Quality:</i> Improper handling and disposal of waste materials may result in contamination of water, soils, and surrounding vegetation. • <i>Wildlife:</i> Improper handling and storage of waste may increase the potential for human-wildlife encounters or conflicts and harm wildlife that encounters wastes.
<i>Cultural Resources</i>
<ul style="list-style-type: none"> • Proper waste handling and disposal at approved locations are anticipated to mitigate any potential effects on cultural resources.
<i>Visitor Experience and Safety</i>
<ul style="list-style-type: none"> • Improper waste management can reduce aesthetics and create odours that detract from visitor experience. • Visitor safety may be affected if improper waste management results in contamination or leads to increased human-wildlife conflict.

<i>Mitigation Measures</i>
<i>Construction Waste Management</i>
<p>Garbage and Food Wastes</p> <ul style="list-style-type: none"> <input type="checkbox"/> Food and household wastes must be stored in a secured, wildlife-proof container or inside a secure vehicle, prior to disposal off-site or in a bear-proof bin. <p>Construction Wastes</p> <p><i>Organic Material</i></p>

- Organic material should be distributed on-site or re-used as backfill. Excess clean organic material may be disposed, with approval, at the following locations:
 - **Prince Albert National Park:** Stockpiled in designated areas at Bear Trap or at the Staging Area on the By-Pass Road. Under certain circumstances, and with approval of project manager, alternate locations may be identified closer to the work area.
 - **Elk Island National Park:** Stockpiled in the designated area at the Wood Yard.
- Organic material includes:
 - Trees >7.5 cm DBH (limbed and bucked to 3m lengths).
 - Branches/Brush.
 - Wood Chips.
 - Clean Topsoil.
 - Clean Subsoil.
 - Clean Clay.
 - Clean Sediment.
- Any material containing non-organic substances (e.g. asphalt, cement, sealant, lubricant, adhesive, filler) or with evidence of potential contamination (e.g. visual black or orange staining, odour, known history of spills or leaks), must be treated as potentially hazardous and handled and disposed accordingly outside of the park.
- Material from known Contaminated Sites Locations (Appendix G) must be handled as hazardous and contaminated materials unless tested and proven to be under CCME Soil guideline limits for Agricultural areas for the potential contaminants of concern.
- In areas of higher potential contamination (e.g. within the Townsite, under private cabins), inspections and/or testing for contaminants may be required.

Non-Organic and Hazardous Wastes

- There are no active landfills within the Northern Prairies Field Unit; therefore, all non-organic and hazardous wastes must be properly stored, transported, and disposed outside the park at a facility certified to accept the particular waste.
- All dry or erodible material should be covered and secured to reduce contamination of adjacent areas prior to use or transport.
- The following table provides a summary of disposal options for typical construction wastes. Contractors are responsible for all costs and disposal arrangements at appropriate facilities. **Permission from the park must be obtained prior to using any park facilities; private contractors are required to properly store and transport all materials out of the park for disposal at a facility certified to accept the wastes.** Contact the Environmental Assessment Coordinator to discuss any construction wastes or products not listed below.

Material	PANP	EINP
Clean Gravel or Crusher Dust	Excess clean gravel or crusher dust may be stored for re-use in the appropriate pile at the	Excess clean gravel or crusher dust may be stored for re-use in the appropriate pile at the

	Narrows Bypass Road Staging Area.	Administration Road Storage Yard.
Building Materials (Wood, Insulation, Siding, Shingles, Paint)	Excess materials must be transported to a facility outside the park certified to accept the wastes.	
Asbestos-Containing Material	Excess materials must be transported to a facility outside the park certified to accept the wastes. Disposal documentation must be provided.	
Treated Wood (Creosote, Chemical and Pressure-Treated)	Treated wood must be stored on an impervious surface within the Compound. All excess treated wood must be transported outside the park to a facility certified to accept the wastes; documentation must be provided. Treated wood must not be burned or buried under any circumstances.	Treated wood must be stored on an impervious surface within the Administration Road Storage Yard. All excess treated wood must be transported outside the park to a facility certified to accept the wastes; documentation must be provided. Treated wood must not be burned or buried under any circumstances.
Metal Products	Metals and metal parts may be stored in the designated area at the Parks Canada Compound building for future disposal at a facility certified to accept the waste. Contractors must dispose of metal outside the park at an appropriate facility.	Metals and metal parts may be stored at the Administration Road Storage Yard for future disposal at a facility certified to accept the waste. Contractors must dispose of metal outside the park at an appropriate facility.
Asphalt Chunks (Used)	Where possible, asphalt chunks can be processed and re-used on-site. Excess asphalt must be transported outside the park to a certified facility. Asphalt must not be buried under any circumstances.	
Storm Sewer Sludge	Storm sewers must not be flushed into water bodies. If sludge removal is required, it should be removed manually and stored in a water-tight container for disposal outside the park. Wastewater flushed from storm sewers should be flushed into a holding tank or impervious bermed area and pumped out for disposal in the sewage lagoons.	
Lagoon Sludge	Lagoon sludge must be disposed outside the park at a facility certified to accept the waste.	
Concrete	Unless otherwise approved, concrete must be transported outside the park for disposal	Unless otherwise approved, concrete must be transported outside the park for disposal at an

	at an approved facility. If excess concrete from pump trucks must be dumped prior to transport outside of the park, excess material should be deposited at the approved area at the Narrows Bypass Road Staging Area and subsequently removed to an approved facility outside the Park.	approved facility. If excess concrete from pump trucks must be dumped prior to transport outside of the park, excess material should be deposited at the approved area within the Wood Yard and subsequently removed to an approved facility outside the park.
Contaminated and Suspected Contaminated Materials	Contaminated materials, materials with visual staining, odours, or material from areas of suspected areas of contamination must be tested for potential contaminants to determine suitable disposal options. Organic material that does not test above material-specific CCME guidelines for Agricultural areas may be disposed of as organic material within the park. Material testing above the relevant CCME guidelines or material that is untested, must be disposed at an appropriate facility outside of the park. Disposal documentation must be provided.	
Fuels and Chemical Wastes	Refer to the <i>Fuel Storage, Handling and Disposal</i> and <i>Hazardous Materials Management BMPs</i> respectively.	
Used Oil, Filter & Grease Cartridges, Lubrication Containers and Antifreeze Solution	These materials are considered hazardous wastes and must be disposed outside the park at a facility certified to accept the specific materials. Refer to the <i>Hazardous Materials Management BMP</i> for more details.	

Development and Review		
Date	Name, Position	Summary
08-08-2014	Aisha Uduman, Student Heather McPhee, Ecology Team Leader Norman Stolle, Resource Conservation Manager Christine Hamilton, Technical Services Officer	BMP development
18-12-2015	Fiona Moreland, Ecology Team Leader	BMP Review

Approval		
Name, Title	Signature	Date
David Britton, Northern Prairies Field Unit Superintendent	Original signed by Genevieve Jones, Acting FUS	June 12, 2018

Referenced BMPs:

Fuel Storage, Handling and Disposal BMP
Hazardous Materials Management BMP

References:

Parks Canada Agency. 2000. Elk Island National Park Three Year CEAA Plan 2000-2003. Draft version.

Prince Albert National Park. 2002. Code of Good Practice for Environmental Protection. Waskesiu Lake.

Prince Albert National Park. 2010. Emergency Spill Plan. Draft. Waskesiu Lake,

Parks Canada Agency. 2010 (rev). Handling, Storage & Disposal of Hazardous Substances. Safe Work Practice.