

Protecting Endangered Species at DFA Milton

March 7, 2012



Endangered Species Act - Summary

What is the Act?

- Enforced by the Ministry of Natural Resources (MNR)
- Protects species and their habitat

What is a Species at Risk (SAR)?

- 206 different species classified as either:
 - Special Concern, Threatened, Endangered or Extirpated

Endangered Species Act Agreements

- Licensed aggregate operations had the ability to apply for an agreement to allow them to continue operations, if:
 - Adverse effects on the species were minimized; and
 - Compliance with the agreement(s) was achieved.
- DFA Milton received an agreement for the Butternut Tree and Jefferson Salamander in June 2010
 - Agreement contains a mitigation plan that is in effect for 5 years

DFA Milton – SAR Agreements

Jefferson Salamander

- Classified as “Endangered”
- Jefferson Salamander is impacted by habitat loss and habitat isolation
- Training and awareness program implemented in April 2011 (annual requirement)
- Annual monitoring and reporting of V2 wetland
 - Wetland water levels to be maintained
- Additional mitigation and reporting measures to be implemented once East Cell extraction begins



DFA Milton – SAR Agreements

Butternut

- Classified as “Threatened”
- Butternut is impacted by a fungal disease (Butternut Canker)
- 5 trees anticipated to be removed = 100 saplings to be planted
- 50% survival rate required after 5 years
- End of 2011 – 72 butternut sapling have been planted and are still alive
- Trees are monitored by a qualified health assessor several times a year



Holcim's Biodiversity Directive



- Partnered with International Union for the Conservation of Nature (IUCN)
- Biodiversity Management System (BMS) was developed
 - ▶ Requires Biodiversity Action Plans (BAPs) developed at sensitive sites
- DFA Milton required to completed a BAP. Requirements include:
 - ▶ Establish partnerships with NGOs, agencies, consultants to complete biodiversity monitoring in the rehab area
 - ▶ Establish and implement biodiversity targets
 - ▶ Complete annual monitoring to track performance
- Holcim (Canada) is currently exploring multiple partnerships with a number of NGOs and agencies
 - ▶ Migratory Bird Monitoring with Bird Studies Canada
 - ▶ Bank Swallow Monitoring Program with MNR and Environment Canada



Holcim