

Environmental Aspects and Impacts

Understanding how our operations interact with the environment gives us the knowledge we need to make improvements that support the environment and achieve higher environmental performance. Our goal is to increase the positive environmental impacts and to transform the negative impacts into neutral or supportive relationships with the environment.

WALKER INDUSTRIES HOLDINGS LTD.
EARTH 1st MANUAL

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Table 1: Potential Environmental Impacts

Aspect	Potential Environmental Impacts	to affect	Activities	Current Controls	Additional Control Required
Emissions to Air (including dust, NOx, VOCs, CFC, CO, CO ₂)	<ul style="list-style-type: none"> Air pollution Changes in visibility Smog formation Community issues Legislative requirements 				
Noise	<ul style="list-style-type: none"> Noise pollution Community issues Legislative requirements 				
Vibration	<ul style="list-style-type: none"> MCE guidelines Community issues Road Degradation 				
Odour	<ul style="list-style-type: none"> MCE guidelines Community issues Air pollution 				
Release of onsite steam/water/process water	<ul style="list-style-type: none"> Water quality changes Water quantity changes erosion Sedimentation Changes to water temperature Changes to flow patterns Changes to aquatic habitat Changes to aquatic species 				



Recognizing your environmental aspects and impacts:

1. Identify inputs to the operation (energy, water, raw materials, and recyclables).
2. Identify outputs to the operation (product, noise, odour, chemical contaminants, water, heat, vibration, energy, and waste).
3. Determine the environmental impacts of the inputs and outputs (positive and/or negative).
4. Determine what environmental aspects are responsible for the environmental impacts. (What activity do you do that creates the impact?).
5. Educate employees of the environmental aspects and impacts relating to the operation.
6. Assess the environmental aspects in an effort to create an operation that enhances the positive impacts and transforms the negative impacts into neutral or supportive relationships with the environment.
7. Look at the inputs into the operation as a way to higher environmental performance, use resources in a way that maximizes value.

ENVIRONMENTAL ASPECT – any element of your operations which can interact with the environment to cause or contribute to environmental impacts

ENVIRONMENTAL IMPACT – any change to the environment, whether adverse or beneficial that results from your activities, products or services

Strive
FOR Wise

DID YOU KNOW?

- A list of potential environmental impacts is included in Table 1 of procedure T5 in the EARTH 1st Manual.
- Examples of environmental aspects include: energy use, waste generation and emissions to air
- Examples of environmental impacts include: depletion of natural resources, land pollution and air pollution
- A summary of your aspects and impacts are available on the intranet site.

Questions about Aspects and Impacts?... to the Manual!
Procedure T5 – Environmental Aspects and Impacts

All your questions and discussion topics are on the reverse side – get talking!

Environmental Aspects and Impacts

Company _____ Date _____ Delivered by _____

Other topics discussed _____

Name	Signature	Name	Signature

QUESTIONS/DISCUSSIONS

RECORD RESPONSES SPECIFIC TO YOUR SITE

1. What are 3 main aspects and impacts from your operation? _____

2. What products or services do you offer that have a positive impact on the environment? _____

3. What is the most significant interaction your site has with the environment? _____

4. How have you transformed your negative impacts into neutral or positive impacts? _____

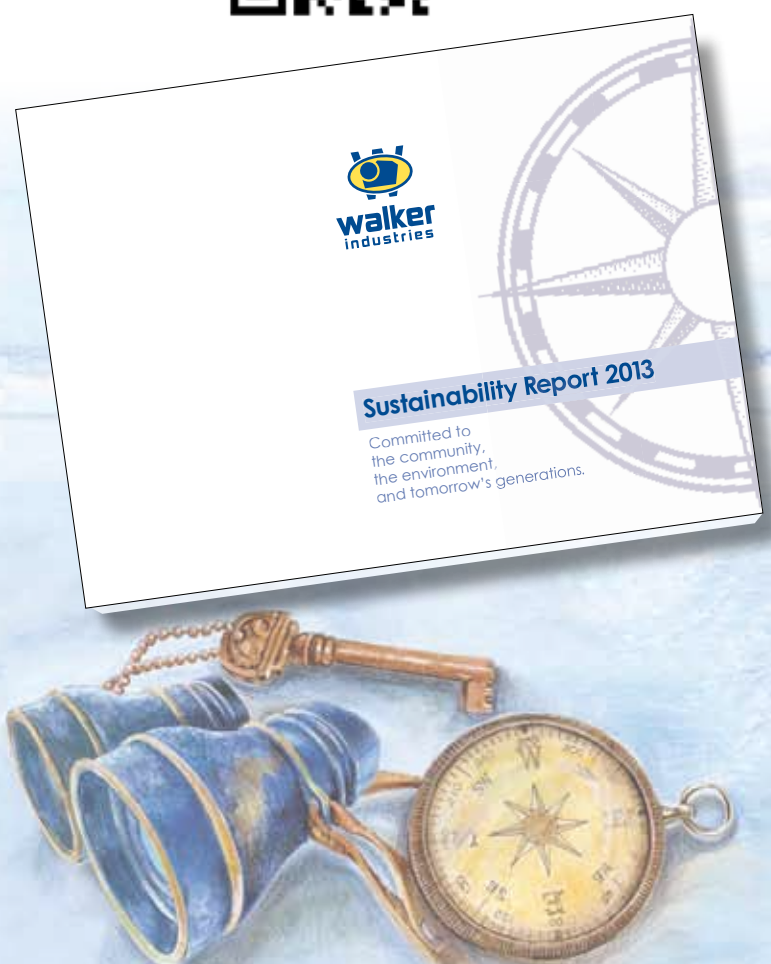
At Walker Industries we work hard to create wins for the environment.



There are so many examples in our Sustainability Report.

Check them out at:
<http://www.walkerind.com/walker-publishes-2013-sustainability-report/>

- Partnering with Niagara College to restore the Rice Road Landfill wetland (p.19)
- Moose Creek Landfill Gas to Energy – producing green energy and preventing 100,000 tonnes of GHG emissions (p. 19)
- Dr. D. The Toy Doctor - From waste to a Toy Store (p. 19)
- Curbside organics to Snapping Turtle Habitat (p. 21)
- Atlas Landfill Remediation project transforming a liability for the City of Welland into a win for the environment (p. 22)
- Protecting Barn Swallows (p. 27)
- Harnessing the power of renewable energy (p. 28)
- Helping others towards Carbon Neutral (p. 29)
- Reducing water use and saving energy at Edgar (p. 31)
- Closing the water loop at Walker Emulsions Burlington (p. 31)
- Rehabbing Vineland Quarries to a Vineyard (p. 32)
- Helping to create elk habitat by reclaiming a mine (p. 33)
- Moving leftovers to lights with our purchase of Organic Resource Management Inc. (p. 41)



commit ■ create ■ participate