

## STATEMENT OF INTENT

HarbisonWalker International Corp. (HWI), formerly ANH Refractories Canada Inc., is committed to taking a leadership role in protecting the environment. Whenever feasible, we will reduce the use of Chromium and Hexavalent Chromium in compliance with all Federal and Provincial Regulations. We are committed to using our on-going continual improvement programs as a method to look for opportunities to reduce the use of Chromium and Hexavalent Chromium. We are committed to implementing this plan and reducing the amount of Chromium used at this facility.

## OBJECTIVES/TARGET

HWI will continue to work with our customers to look for opportunities to reduce the use of Chromium and Hexavalent Chromium. HWI's objective is to reduce the amount of Chromium used at the Smithville facility.

## DESCRIPTION OF WHY CHROMIUM IS USED AT THE FACILITY

Chromium (excluding hexavalent chromium) is used in the facility manufacturing processes as a formulation component. It also enters the facility in the form of spent refractory products from Glass Furnaces returned by customers and in the form of finished products sent from exterior manufacturers for distribution to customers.

## REDUCTION OPTIONS IMPLEMENTED

The following reduction option will be implemented:

- Institute procedures to ensure that materials do not stay in inventory beyond shelf-life

## BASIC FACILITY INFORMATION

Name & CAS # of Substance		
Chromium	7440-47-3	
Facility Identification and Site Address		
Company Legal Name	HarbisonWalker International Corp.	
Facility Name	HarbisonWalker International Corp.	
Facility Address	2689 Industrial Park Road, Smithville, ON, L0R 2A0	
Facility Spatial Coordinates	619230m E 4772949m N (zone 17)	
Number of Employees	32	
NPRI ID	3266	
6 Digit NAICS Code	327120 – Clay building material and refractory manufacturing	
Company Contact Information		
Facility Public Contact	John Oliveira, Plant Manager	Phone: 905-957-3311 ext. 326
	Email: JOliveira@THINKHWI.com	Fax: 905-957-4089

## TRACKING AND QUANTIFICATION

Reporting Year	Facility-wide Chromium Quantities (tonnes)							Reasons for Change From Previous Year
	Used	Created	Contained in Product	Released to Air	Off-Site Disposal	Off-Site Transfer for Treatment	Off-Site Transfer for Recycling	
2011	>1,000 to 10,000	0	>100 to 1000	0.070	14.700	0.840	4.720	
2012	>100 to 1,000	0	>100 to 1000	0.022	7.587	32.755	2.788	Decrease in production levels. Change in testing specifications for waste classification.
2013	>100 to 1000	0	>100 to 1000	0.015	8.324	0	0	Decrease in production levels. There were no materials transferred off-site for treatment in 2013.
2014	>1000 to 10,000	0	>1000 to 10,000	0.017	18.591	0	50.713	Increase in production levels. Materials from 2013 and 2014 were transferred off-site in 2014.
2015	>100 to 1000	0	>100 to 1000	0.016	5.989	0	0	Decrease in production levels. There were no materials transferred off-site for treatment in 2015. No chrome-alumina materials entering or leaving the process.

Quantities for used, created and contained in product may be expressed in the following ranges:

- > 0 to 1
- > 1 to 10
- > 10 to 100
- > 100 to 1,000
- > 1,000 to 10,000