



**Toxics Substance Reduction Plan Summary
For
Copper (CAS # NA-06)**



Hammond Power
Solutions Inc.

**Hammond Power Solutions Inc.
595 Southgate Drive
Guelph, Ontario
N1G 3W6**

Prepared for:
James Luhta, P.Eng

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INTRODUCTION

Hammond Power Solutions Inc. (HPS) was established in 1917 and has continued to grow as the North American stand-alone leader for the design and manufacture of high quality custom electrical dry-type transformers and related engineered magnetic devices. The company is also a significant producer of standard products that are built to industry wide specifications. HPS excels at designing products that have very specific size and power constraints for many demanding applications. Having an extensive engineering resource, HPS offers the broadest range of electrical products in the industry and as a result, the company has grown in many diverse markets and provides services to many global leaders.

With 11 Distribution centers located throughout Canada and the United States, this allows us to ship standard stocked product to 90% of our customers for delivery within 48 hours of receiving a purchase order.

TABLE OF CONTENTS

INTRODUCTION	I
1.0 BASIC FACILITY INFORMATION.....	1
2.0 STATEMENT OF INTENT (FOR COPPER).....	2
3.0 SUBSTANCES REQUIRING PLANS	2
4.0 OBJECTIVES OF THE PLAN & ANY TARGETS	3
5.0 OPTIONS TO BE IMPLEMENTED (OR STATEMENT THAT NONE ARE TO BE IMPLEMENTED).....	3
6.0 CONTENTS OF THIS PLAN SUMMARY REFLECTS PLAN.....	3
7.0 CERTIFICATION BY HIGHEST RANKING EMPLOYEE	4
8.0 CERTIFICATION BY LICENSED PLANNER	5

1.0 BASIC FACILITY INFORMATION

Substance Information	
Name	Copper (and its Compounds)
CAS #	NA - 06
Facility Information	
Company Name	Hammond Power Solutions Inc.
Facility Name	Hammond Power Solutions Inc.
Facility Address	595 Southgate Dr., Guelph, ON N1G 3W6
Site Coordinates (main entrance of site)	563580.57 E, 4816004.01N; Zone 17
NPRI ID	2751
MOE ID	N/A
Number of Full-Time Employees in 2011	352
2-Digit NAICS Code	31-33 Manufacturing
4-Digit NAICS Code	3353 – Electrical Equipment Manufacturing
6-Digit NAICS Code	335311 – Power, Distribution and Speciality Transformers Manufacturing
Business Number	892771817

Facility Contact Information		
Public Contact	James Luhta, P.Eng Manufacturing Engineer Phone: (519) 822-2441 ext 503 Fax: (519) 822-9701	jlutha@hammondpowersolutions.com Same address as facility
Technical Contact	James Luhta, P.Eng	
Company Coordinator	James Luhta, P.Eng	
Person who Prepared the Plan	James Luhta, P.Eng	
Highest Ranking Employee	Art Harrison Plant Manager Phone: (519) 822-2441 ext 404 Fax: (519) 822-9701	aharrison@hammondpowersolutions.com Same address as facility
Planner Responsible for Making Recommendations	Robin Brown ,TSRP #0018 Operations Manager Phone: (905) 363-1399 Fax: (905) 363-0638	rbrown@pinchin.com 2470 Milltower Court Mississauga, ON L5N 7W5
Planner Responsible for Certification	Robin Brown ,TSRP #0018 Operations Manager Phone: (905) 363-1399 Fax: (905) 363-0638	rbrown@pinchin.com 2470 Milltower Court Mississauga, ON L5N 7W5

2.0 STATEMENT OF INTENT (FOR COPPER)

Hammond Power Solutions Inc. does not intend to reduce its use of copper because it is a manufacturer of dry type electrical transformers and reducing use would not benefit our business growth, but we are committed to ensuring its products are manufactured in the most responsible and efficient manner. With reference to the Ontario Toxics Reduction Act, the reduction objectives are outlined in section 4 of this Plan Summary for the reportable substance, Copper, at Hammond Power Solutions.

3.0 SUBSTANCES REQUIRING PLANS

The following substance requires a plan Copper based on 2011 Toxics Reduction Act accounting information.

Copper is used in the wire, cable, and foil used to make transformers at the facility.

4.0 OBJECTIVES OF THE PLAN & ANY TARGETS

Hammond Power Solutions Inc. prides itself on technological innovation in order to produce high quality products in an environmentally responsible manner. We will strive to optimize the use of Copper at the facility. As part of the continuous improvement practices at the facility, technical advances will be monitored for new opportunities to reduce the use of Copper at the facility.

5.0 OPTIONS TO BE IMPLEMENTED (OR STATEMENT THAT NONE ARE TO BE IMPLEMENTED)

Hammond Power Solutions Inc. is committed to continuous improvement, and over the years have implemented numerous changes which have increased material yield at the facility, and optimized the use of copper in the compounds manufactured here. As copper is required by numerous regulatory codes, no options have been identified for implementation.

6.0 CONTENTS OF THIS PLAN SUMMARY REFLECTS PLAN

This Plan Summary accurately reflects the Toxic Substance Reduction Plans dated December 17, 2012, prepared for the substances listed in Section 1.0 of this Summary.

9.0 CERTIFICATION BY HIGHEST RANKING EMPLOYEE

As of December 17, 2012, I, Art Harrison certify that I have read the toxic substance reduction plans for the toxic substances referred to below and am familiar with their contents, and to my knowledge the plans are factually accurate and comply with the *Toxics Reduction Act, 2009* and Ontario Regulation 455/09 (General) made under that Act.

Copper



Art Harrison
Plant Manager
Hammond Power Solutions Inc.

8.0 CERTIFICATION BY LICENSED PLANNER

As of December 17, 2012, I, Robin Brown, certify that I am familiar with the processes at Hammond Power Solutions Inc. that use or create the toxic substances referred to below, that I agree with the estimates referred to in subparagraphs 7 iii, iv and v of subsection 4 (1) of the *Toxics Reduction Act, 2009* that are set out in the toxic substance reduction plans referred to below for the toxic substances and that the plans comply with that Act and Ontario Regulation 455/09 (General) made under that Act.

Copper [December 17, 2012]



Robin Brown, TSRP #0018
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