

Addendum to the North American Product Category Rule for Designated Steel Construction Products

Guidance for Corrugated Steel Pipe

Prepared by:
SCS Global Services

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SERVICES
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2000 Powell Street, Ste. 600, Emeryville, CA 94608 USA
+1.510.452.8000 main | +1.510.452.8001 fax
www.SCSglobalServices.com

Introduction

The North American PCR for Designated Steel Construction Products¹ states: *At the discretion of the Program Operator, this PCR may be applicable to other steel construction products not specifically described herein.* This PCR Addendum was developed by SCS Global Services to document the additional requirements for EPD of Corrugated Steel Pipe, based on the North American PCR for Designated Steel Construction Products. This PCR addendum is additional guidance, and does not replace any of the requirements of the PCR.

This PCR Addendum is a 'living document', and is subject to periodic updates. Please note, this PCR Addendum may be superseded, once a Product Category Rule for corrugated steel pipe is developed.

Scope

This PCR Addendum applies to corrugated steel pipe. Corrugated steel pipe provides a means for conveyance of water (and wastewater). These pipes may be used in numerous applications including but not limited to: storm sewers, culverts, bridges, stream enclosures, air ducts, conduit, dams and levees, and stream crossings.

The following is supplemental guidance to the PCR for the category of corrugated steel pipe. Section numbering is based on the original PCR.

Section 6.1.4 Corrugated Steel Pipe

Corrugated steel pipe, manufactured in accordance with the following standards are recognized under this PCR:

- *CSA G401 (2014) Corrugated Steel Pipe*
- *ASTM A742/A742M-13 - Standard Specification for Steel Sheet, Metallic Coated and Polymer Precoated for Corrugated Steel Pipe*
- *ASTM A929/A929M-17- Standard Specification for Steel Sheet, Metallic-Coated by the Hot-Dip Process for Corrugated Steel Pipe*

Section 6.2.2.4 Corrugated Steel Pipe

For Corrugated Steel Pipe, the product stage includes A1, A2, and A3 below. These modules include provisions of all materials, products and energy, as well as waste treatment of final residues during the product stage.

- *A1, raw material extraction and processing, including all activities necessary for the production of corrugated steel pipe including but not limited to the recovery or extraction and processing of feedstock materials, furnace and related process operation at the melt shop, casting of the slab, all finishing operations including hot rolling, cold rolling and galvanizing or polymer coating,*

¹ North American Product Category Rule for Designated Steel Construction Products. SCS Global Services. May 2015.

including transportation to any off site finishing facility. All upstream activities related to fuel use and/or electricity generation are included in this stage.

- *A2, transport to the manufacturer of corrugated steel pipe.*
- *A3, manufacture of corrugated steel pipe.*

Additional References

- North American Product Category Rule for Designated Steel Construction Products. SCS Global Services. May 2015.
- CAN/CSA-G401-14 Corrugated Steel Pipe Products
- ASTM A742/A742M-13 - Standard Specification for Steel Sheet, Metallic Coated and Polymer Precoated for Corrugated Steel Pipe
- ASTM A929/A929M-17 - Standard Specification for Steel Sheet, Metallic-Coated by the Hot-Dip Process for Corrugated Steel Pipe
- SCS Type III Environmental Declaration Program: Program Operator Manual v9.0. January 2017. SCS Global Services.