



# National Pollutant Release Inventory (NPRI) and Partners



[Home](#) [Submission Management](#) [Help](#) [My Profile:Rob Jeysman](#) [Logout](#) [Ec.gc.ca](#)

SWIM > 2017 > Lightning Circuits Inc. > LIGHTNING CIRCUITS - ST. CATHARINES > Report Preview

## Report Preview

### Report Details

|                     |                     |
|---------------------|---------------------|
| Report Year         | 2017                |
| Report Type:        | NPRI,ON MOE TRA     |
| Report Status:      | Ready to Submit     |
| Modified Date/Time: | 05/05/2018 11:32 AM |

### Company and Facility Details

|                   |   |
|-------------------|---|
| Company Name:     | Lightning Circuits Inc.   |
| Business Number:  | 135871416   |
| Mailing Address:  | Delivery Mode: GeneralDelivery<br>Address Line 1: 12 Seapark Drive East<br>City, Province/Territory, Postal Code: St. Catharines Ontario L2M6S6<br>Country: Canada  |
| Facility Name:    | LIGHTNING CIRCUITS - ST. CATHARINES   |
| NAICS Code:       | 335990  |
| NPRI ID:          | 10798   |
| Physical Address: | Address Line 1: 12 Seapark Drive<br>City, Province/Territory, Postal Code: St. Catharines Ontario L2M6S6<br>Country: Canada<br>Latitude: 43.1739<br>Longitude: -79.2028<br>UTM Zone: 18<br>UTM Easting: 606070<br>UTM Northing: 4781680 |

### Contacts Details

|              |  |
|--------------|--|
| Contact Type | Technical Contact, Person who prepared the report, Person who coordinated the preparation of the Toxics Reduction Plan |
| Name:        | Sean McIntyre  |
| Position:    | QA & Environmental Compliance Manager  |
| Telephone:   | 9053976959   |
| Email:       | sean.p.b.mcintyre@gmail.com  |

|              |   |
|--------------|---|
| Contact Type | Certifying Official, Highest Ranking Employee |
| Name:        | Rob Jeysman                                   |
| Position:    | President                                     |
| Telephone:   | 9059844006                                    |

Extension: 14

Fax: 9059846063

Email: rjeysman@cogeco.net

## General Information

Number of employees: 25

Activities for Which the 20,000-Hour Employee Threshold Does Not Apply: None of the above

Activities Relevant to Reporting Dioxins, Furans and Hexacholorobenzene: None of the above

Activities Relevant to Reporting of Polycyclic Aromatic Hydrocarbons (PAHs): Wood preservation using creosote: No

Is this the first time the facility is reporting to the NPRI (under current or past ownership): No

Is the facility controlled by another Canadian company or companies: No

Did the facility report under other environmental regulations or permits: No

Is the facility required to report one or more NPRI Part 4 substances (Criteria Air Contaminants): No

Was the facility shut down for more than one week during the year: No

Operating Schedule - Days of the Week: Mon, Tue, Wed, Thu, Fri

Usual Number of Operating Hours per day: 8

Usual Daily Start Time (24h) (hh:mm): 0700

## Substance List

| CAS RN  | Substance Name             | Releases | Releases (Speciated VOCs) | Disposals | Recycling | Unit   |
|---------|----------------------------|----------|---------------------------|-----------|-----------|--------|
| NA - 06 | Copper (and its compounds) | N/A      | N/A                       | 11.0000   | 0.3900    | tonnes |
| NA - 08 | Lead (and its compounds)   | N/A      | N/A                       | 12.2000   | N/A       | kg     |

## Applicable Programs

| CAS RN  | Substance Name             | NPRI | ON MOE TRA | ON MOE Reg 127/01 | First report for this substance to the ON MOE TRA |
|---------|----------------------------|------|------------|-------------------|---|
| NA - 06 | Copper (and its compounds) | Yes  | No         |                   | No  |
| NA - 08 | Lead (and its compounds)   | Yes  | Yes        |                   | Yes   |

## General Information about the Substance - Releases and Transfers of the Substance

| CAS RN  | Substance Name             | Was the substance released on-site | The substance will be reported as the sum of releases to all media (total of 1 tonne or less) | 1 tonne or more of a Part 5 Substance (Speciated VOC) was released to air |
|---------|----------------------------|------------------------------------|---|---|
| NA - 06 | Copper (and its compounds) | No                                 | No  | No  |
| NA - 08 | Lead (and its compounds)   | No                                 | No  | No  |

## General Information about the Substance - Disposals and Off-site Transfers for Recycling

| CAS RN  | Substance Name             | Was the substance disposed of (on-site or off-site), or transferred for treatment prior to final disposal | Is the facility required to report on disposals of tailings and waste rock for the selected reporting period | Was the substance transferred off-site for recycling |
|---------|----------------------------|---|--|--|
| NA - 06 | Copper (and its compounds) | Yes   | No   | Yes  |
| NA - 08 | Lead (and its compounds)   | No  | No   | Yes  |

## General Information about the Substance - Nature of Activities

| CAS RN  | Substance Name             | Manufacture the Substance  | Process the Substance   | Otherwise Use of the Substance |
|---------|----------------------------|----------------------------|-------------------------|--------------------------------|
| NA - 06 | Copper (and its compounds) | For on-site use/processing | As an article component |                                |
| NA - 08 | Lead (and its compounds)   | For on-site use/processing | As an article component |                                |

## TRA Quantifications

| CAS RN  | Substance Name             | Use, Creation, Contained in Product | Quantity    | Use ranges for public reporting |
|---------|----------------------------|-------------------------------------|-------------|---------------------------------|
| NA - 06 | Copper (and its compounds) | Use                                 | 14.8 tonnes | No                              |
| NA - 06 | Copper (and its compounds) | Creation                            | 0 tonnes    | Yes                             |
| NA - 06 | Copper (and its compounds) | Contained in Product                | 1.9 tonnes  | Yes                             |
| NA - 08 | Lead (and its compounds)   | Use                                 | 336 kg      | Yes                             |
| NA - 08 | Lead (and its compounds)   | Creation                            | 0 kg        | Yes                             |
| NA - 08 | Lead (and its compounds)   | Contained in Product                | 323 kg      | Yes                             |

## TRA Quantifications - Others

| CAS RN  | Substance Name             | Change in Method of Quantification | Reasons for Change | Description of how the change impact tracking and quantification of the substance | Description of how an incident(s) affected quantifications | Significant Process Change |
|---------|----------------------------|------------------------------------|--------------------|---|--|----------------------------|
| NA - 06 | Copper (and its compounds) |                                    |                    |   |  | No                         |
| NA - 08 | Lead (and its compounds)   |                                    |                    |   |  | No                         |

## On-site Releases - Reasons for Changes in Quantities Released from Previous Year

| CAS RN  | Substance Name             | Reasons for Changes in Quantities from Previous Year | Comments |
|---------|----------------------------|--|----------|
| NA - 06 | Copper (and its compounds) | Changes in production levels                         |          |
| NA - 08 | Lead (and its compounds)   | Changes in production levels                         |          |

## Disposals - Off-site Disposal (excluding Tailings and Waste Rock)

| CAS RN  | Substance Name             | Category | Basis of Estimate | Detail Code | Quantity    |
|---------|----------------------------|----------|-------------------|-------------|-------------|
| NA - 06 | Copper (and its compounds) | Landfill | C - Mass Balance  |             | 0.39 tonnes |

## Disposals - Off-site Disposal (excluding Tailings and Waste Rock) - Total

| CAS RN  | Substance Name             | Total - Off-site Disposals |
|---------|----------------------------|----------------------------|
| NA - 06 | Copper (and its compounds) | 0.39 tonnes                |

## Disposals - Off-site Disposal (excluding Tailings and Waste Rock) - By Facilities

| CAS RN  | Substance Name             | Category | Off-site Name | Off-site Address                                     | Quantity    |
|---------|----------------------------|----------|---------------|--|-------------|
| NA - 06 | Copper (and its compounds) | Landfill | Niagara Waste | 2800 Thorold Townline Rd., Niagara Falls, ON, Canada | 0.39 tonnes |

## Disposals - Total Quantity Disposed (All Media)

| CAS RN  | Substance Name             | Total Quantity Disposed (All Media) |
|---------|----------------------------|-------------------------------------|
| NA - 06 | Copper (and its compounds) | 0.39 tonnes                         |

## Disposals - Reasons and Comments

| CAS RN  | Substance Name             | Reasons Why Substance Was Disposed  | Reasons for Changes in Quantities from Previous Year | Comments |
|---------|----------------------------|---|--|----------|
| NA - 06 | Copper (and its compounds) | Production residues<br>Off-specification products<br>Unusable parts or discards | Changes in production levels                         |          |
| NA - 08 | Lead (and its compounds)   |   | Changes in production levels                         |          |

## Recycling - Off-site Transfers for Recycling

| CAS RN  | Substance Name             | Category                               | Basis of Estimate | Detail Code | Quantity    |
|---------|----------------------------|--|-------------------|-------------|-------------|
| NA - 06 | Copper (and its compounds) | Recovery of Metals and Metal Compounds | C - Mass Balance  |             | 11.0 tonnes |
| NA - 08 | Lead (and its compounds)   | Recovery of Metals and Metal Compounds | C - Mass Balance  |             | 12.2 kg     |

## Recycling - Off-site Transfers for Recycling - Total

| CAS RN  | Substance Name             | Total - Off-site Transfers for Recycling |
|---------|----------------------------|--|
| NA - 06 | Copper (and its compounds) | 11.0 tonnes                              |
| NA - 08 | Lead (and its compounds)   | 12.2 kg                                  |

## Recycling - Off-site Transfers for Recycling - By Facility

| CAS RN  | Substance Name             | Category                               | Off-site Name           | Off-site Address                                 | Quantity   |
|---------|----------------------------|--|-------------------------|--|------------|
| NA - 06 | Copper (and its compounds) | Recovery of Metals and Metal Compounds | Matrix Electronics Ltd. | 1124 Midway Blvd., Mississauga, ON, Canada       | 9.6 tonnes |
| NA - 06 | Copper (and its compounds) | Recovery of Metals and Metal Compounds | AIM Métal Corp.         | 9100, boul. Henri-Bourassa, Montréal, QC, Canada | 1.4 tonnes |
| NA - 08 | Lead (and its compounds)   | Recovery of Metals and Metal Compounds | AIM Métal Corp.         | 9100, boul. Henri-Bourassa, Montréal, QC, Canada | 12.2 kg    |

## Recycling - Reasons and Comments

| CAS RN  | Substance Name             | Reasons Why Substance Was Recycled  | Reasons for Changes in Quantities Recycled from Previous Year | Comments |
|---------|----------------------------|---|---|----------|
| NA - 06 | Copper (and its compounds) | Production Residues<br>Off-specification products<br>Unusable parts or discards | Changes in production levels                                  |          |
| NA - 08 | Lead (and its compounds)   | Production Residues   | Changes in production levels                                  |          |

## Comparison Report - Enters, Creation, Contained in Product

| CAS RN  | Substance Name             | Is Breakdown | Category                  | Quantity    | Last Reported Quantity | Reporting Period of Last Reported Quantity | Change | % Change |
|---------|----------------------------|--------------|---------------------------|-------------|------------------------|--|--------|----------|
| NA - 06 | Copper (and its compounds) | No           | Enters the facility (Use) | 14.8 tonnes | 12.76 tonnes           | 2016                                       | 2.04   | 15.99    |
| NA - 06 | Copper (and its compounds) | No           | Creation                  | 0 tonnes    | 0 tonnes               | 2016                                       | 0      |          |
| NA - 06 | Copper (and its compounds) | No           | Contained in Product      | 1.9 tonnes  | 1.7 tonnes             | 2016                                       | 0.2    | 11.76    |

## Comparison Report - Enters, Creation, Contained in Product : Reason(s) for Change

| CAS RN  | Substance Name             | Reason(s) for Change          | Other Reason |
|---------|----------------------------|-------------------------------|--------------|
| NA - 06 | Copper (and its compounds) | Increase in production levels |              |

## Comparison Report - Disposals On-site, Off-site and Tailings and Waste Rock

| CAS RN  | Substance Name             | Is Breakdown | Category  | Quantity    | Last Reported Quantity | Reporting Period of Last Reported Quantity | Change | % Change |
|---------|----------------------------|--------------|---|-------------|------------------------|--|--------|----------|
| NA - 06 | Copper (and its compounds) | No           | Total On-site Disposals                                       | 0 tonnes    | 0 tonnes               | 2016                                       | 0      |          |
| NA - 06 | Copper (and its compounds) | No           | Total Off-site Disposals                                      | 0.39 tonnes | 0 tonnes               | 2016                                       | 0.39   | 100      |
| NA - 06 | Copper (and its compounds) | No           | Total Off-site transfer for treatment Prior to Final Disposal | 0 tonnes    | 0 tonnes               | 2016                                       | 0      |          |
| NA - 06 | Copper (and its compounds) | No           | Total On-site Disposal of Tailings and Waste Rock             | 0 tonnes    | 0 tonnes               | 2016                                       | 0      |          |
| NA - 06 | Copper (and its compounds) | No           | Total Off-site Disposal of Tailings and Waste Rock            | 0 tonnes    | 0 tonnes               | 2016                                       | 0      |          |

## Comparison Report - Disposals On-site, Off-site and Tailings and Waste Rock - Reason(s) for Change

| CAS RN  | Substance Name             | Reason(s) for Change          | Other Reason |
|---------|----------------------------|-------------------------------|--------------|
| NA - 06 | Copper (and its compounds) | Increase in production levels |              |

## Comparison Report - Transfers off-site for Recycling

| CAS RN  | Substance Name             | Is Breakdown | Category                               | Quantity    | Last Reported Quantity | Reporting Period of Last Reported Quantity | Change | % Change |
|---------|----------------------------|--------------|--|-------------|------------------------|--|--------|----------|
| NA - 06 | Copper (and its compounds) | No           | Total off-site Transfers for Recycling | 11.0 tonnes | 9.4 tonnes             | 2016                                       | 1.6    | 17.02    |

## Comparison Report - Transfers off-site for Recycling - Reason(s) for Change

| CAS RN | Substance Name | Reason(s) for Change | Other Reason |
|--------|----------------|----------------------|--------------|
|        |                |                      |              |

| CAS RN  | Substance Name             | Reason(s) for Change          | Other Reason |
|---------|----------------------------|-------------------------------|--------------|
| NA - 06 | Copper (and its compounds) | Increase in production levels |              |

### Pollution Prevention

Does the facility have a documented pollution prevention plan?

No

Did the facility complete any pollution prevention activities in the current NPRI reporting year

No

### Progress on TRA Plan - Objectives

| CAS RN  | Substance Name             | Objectives                     |
|---------|----------------------------|--------------------------------|
| NA - 06 | Copper (and its compounds) | No objectives were identified. |

### Progress on TRA Plan - Use Targets

| CAS RN  | Substance Name             | Quantity           | Years              | Description of Target |
|---------|----------------------------|--------------------|--------------------|-----------------------|
| NA - 06 | Copper (and its compounds) | No quantity target | No timeline target |                       |

### Progress on TRA Plan - Creation Targets

| CAS RN  | Substance Name             | Quantity           | Years              | Description of Target |
|---------|----------------------------|--------------------|--------------------|-----------------------|
| NA - 06 | Copper (and its compounds) | No quantity target | No timeline target |                       |

### Progress on TRA Plan - Additional Actions

| CAS RN  | Substance Name             | Were there any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance? | Describe any additional actions that were taken during the reporting period to achieve the plan's objectives | Provide a public summary of the description of the additional action taken |
|---------|----------------------------|--|--|--|
| NA - 06 | Copper (and its compounds) | No   |  |  |

### Progress on TRA Plan - Reductions due to additional actions taken

| CAS RN  | Substance Name             | Reductions due to additional actions taken  | Quantity |
|---------|----------------------------|---|----------|
| NA - 06 | Copper (and its compounds) | The amount of reduction in <b>use</b> of the substance at the facility during the reporting period that resulted due to the additional actions.   |          |
| NA - 06 | Copper (and its compounds) | The amount of reduction in <b>creation</b> of the substance at the facility during the reporting period that resulted due to the additional actions.  |          |
| NA - 06 | Copper (and its compounds) | The amount of reduction in the substance <b>contained in product</b> at the facility during the reporting period that resulted due to the additional actions.                                   |          |
| NA - 06 | Copper (and its compounds) | The amount of reduction in <b>release to air</b> of the substance at the facility during the reporting period that resulted due to the additional actions.                                      |          |
| NA - 06 | Copper (and its compounds) | The amount of reduction in <b>release to water</b> of the substance at the facility during the reporting period that resulted due to the additional actions.                                    |          |
| NA - 06 | Copper (and its compounds) | The amount of reduction in <b>release to land</b> of the substance at the facility during the reporting period that resulted due to additional actions.   |          |
| NA - 06 | Copper (and its compounds) | The amount of reduction in the substance <b>disposed on-site</b> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.  |          |
| NA - 06 | Copper (and its compounds) | The amount of reduction in the substance <b>disposed off-site</b> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions. |          |
| NA - 06 | Copper (and its compounds) | The amount of reduction in the substance <b>recycled off-site</b> at the facility during the reporting period that resulted due to the additional actions.                                      |          |

### Progress on TRA Plan - Amendments

| CAS RN  | Substance Name             | Were any amendments made to the toxic substance reduction plan during the reporting period | Description any amendments that were made to the toxic substance reduction plan during the reporting period | Provide a public summary of the description of any amendments that were made to the toxic substance reduction plan during the reporting period |
|---------|----------------------------|--|---|--|
| NA - 06 | Copper (and its compounds) | No   |   |  |

Empty





[About us](#)

[News](#)

[Contact us](#)

[Stay connected](#)

**HEALTH**  
[healthycanadians.gc.ca](https://healthycanadians.gc.ca)

**TRAVEL**  
[travel.gc.ca](https://travel.gc.ca)

**SERVICE CANADA**  
[servicecanada.gc.ca](https://servicecanada.gc.ca)

**JOBS**  
[jobbank.gc.ca](https://jobbank.gc.ca)

**ECONOMY**  
[actionplan.gc.ca](https://actionplan.gc.ca)

[Canada.gc.ca](https://Canada.gc.ca)