

# National Pollutant Release Inventory (NPRI) and



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## Report Preview

### Report Details

|                     |                    |
|---------------------|--------------------|
| Report Year         | 2016               |
| Report Type:        | NPRI,ON MOE TRA    |
| Report Status:      | Submitted          |
| Modified Date/Time: | 17/05/2017 6:48 AM |

### Company and Facility Details

|                   |  |
|-------------------|--|
| Company Name:     | Lincoln Electric Co. of Canada LP  |
| Business Number:  | 867155905  |
| Mailing Address:  | Delivery Mode: GeneralDelivery<br>Address Line 1: 179 Wicksteed Avenue<br>City, Province/Territory, Postal Code: Toronto Ontario M4G2B9<br>Country: Canada   |
| Facility Name:    | LINCOLN ELECTRIC COMPANY OF CANADA   |
| NAICS Code:       | 333299   |
| NPRI ID:          | 4521   |
| Physical Address: | Address Line 1: 179 Wicksteed Avenue<br>City, Province/Territory, Postal Code: Toronto Ontario M4G2B9<br>Country: Canada<br>Latitude: 43.71120<br>Longitude: -79.35570<br>UTM Zone: 17<br>UTM Easting: 632469<br>UTM Northing: 4841111 |

### Parent Companies

|                  |  |
|------------------|--|
| Company Name:    | Lincoln Electric Company of Canada LP  |
| Business Number: | 867155905  |
| Mailing Address: | Delivery Mode: GeneralDelivery<br>Address Line 1: 179 Wicksteed Avenue<br>City, Province/Territory, Postal Code: Toronto Ontario M4G2B9<br>Country: Canada |

### Contacts Details

|              |  |
|--------------|--|
| Contact Type | Technical Contact, Certifying Official, Company Coordinator, Person who prepared the report, Person who coordinated the preparation of the Toxics Reduction Plan |
| Name:        | Frank Conroy   |
| Position:    | Environmental, Health and Safety Manager   |
| Telephone:   | 4164674258   |
| Fax:         | 4164213065   |

|                  |  |
|------------------|--|
| Email:           | frank_conroy@lincolnelectric.com   |
| Contact Type     | Highest Ranking Employee   |
| Name:            | Adel Mir   |
| Position:        | President  |
| Telephone:       | 4164212600   |
| Email:           | adel_mir@lincolnelectric.com   |
| Mailing Address: | Delivery Mode: GeneralDelivery<br>Address Line 1:<br>City, Province/Territory, Postal Code: Toronto Ontario M4G 2B9<br>Country: Canada |
| Contact Type     | Public Contact   |
| Name:            | Frank Conroy   |
| Position:        | Environmental, Health and Safety Manager   |
| Telephone:       | 4164674258   |
| Email:           | frank_conroy@lincolnelectric.com   |

## General Information

|  |                                      |
|--|--------------------------------------|
| Number of employees:   | 200                                  |
| Activities for Which the 20,000-Hour Employee Threshold Does Not Apply:                            | None of the above                    |
| Activities Relevant to Reporting of Dioxins, Furans and Hexachlorobenzene:                         | 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): | Yes                                  |
| 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, Sat, Sun    |
| Usual Number of Operating Hours per day:   | 24                                   |
| Usual Daily Start Time (24h) (hh:mm):  | 00:00                                |

## Substance List

| CAS RN    | Substance Name                    | Releases | Releases (Speciated VOCs) | Disposals | Recycling | Unit   |
|-----------|-----------------------------------|----------|---------------------------|-----------|-----------|--------|
| NA - 06   | Copper (and its compounds)        | N/A      | N/A                       | 8.8665    | 3.6593    | tonnes |
| NA - 09   | Manganese (and its compounds)     | N/A      | N/A                       | N/A       | 0.9684    | tonnes |
| 7664-93-9 | Sulphuric acid                    | 0.0182   | N/A                       | 59.4726   | N/A       | tonnes |
| NA - M16  | Volatile Organic Compounds (VOCs) | 7.0373   | 6.4775                    | N/A       | N/A       | tonnes |

## 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  | Yes        |                   | No  |
| NA - 09   | Manganese (and its compounds)     | Yes  | Yes        |                   | No  |
| 7664-93-9 | Sulphuric acid                    | Yes  | Yes        |                   | No  |
| NA - M16  | Volatile Organic Compounds (VOCs) | No   | No         |                   | No  |

| CAS RN | Substance Name | NPRI | ON MOE TRA | ON MOE Reg 127/01 | First report for this substance to the ON MOE TRA |
|--------|----------------|------|------------|-------------------|---|
|        |                |      |            |                   |   |

## Applicable Programs - Comments

| CAS RN   | Substance Name                    | Comments   |
|----------|-----------------------------------|--|
| NA - M16 | Volatile Organic Compounds (VOCs) | Seven Part 5 VOCs were voluntarily reported for 2012; these have been removed as all are below the one tonne release threshold. Toluene and xylene, which are above the one tonne threshold, remain. |

## 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 - 09   | Manganese (and its compounds)     | No                                 | No  | No  |
| 7664-93-9 | Sulphuric acid                    | Yes                                | No  | No  |
| NA - M16  | Volatile Organic Compounds (VOCs) |                                    | No  | Yes   |

## 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 - 09   | Manganese (and its compounds)     | No  | No   | Yes  |
| 7664-93-9 | Sulphuric acid                    | Yes   | No   | No   |
| NA - M16  | Volatile Organic Compounds (VOCs) |   |  |  |

## 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)        |                           | As an article component |  |
| NA - 09   | Manganese (and its compounds)     |                           | As an article component |  |
| 7664-93-9 | Sulphuric acid                    |                           |                         | As a physical or chemical processing aid |
| NA - M16  | Volatile Organic Compounds (VOCs) |                           |                         |  |

## TRA Quantifications

| CAS RN    | Substance Name                    | Use, Creation, Contained in Product | Quantity        | Use ranges for public reporting |
|-----------|-----------------------------------|-------------------------------------|-----------------|---------------------------------|
| NA - 06   | Copper (and its compounds)        | Use                                 | 46.9109 tonnes  | Yes                             |
| NA - 06   | Copper (and its compounds)        | Creation                            | 0 tonnes        | Yes                             |
| NA - 06   | Copper (and its compounds)        | Contained in Product                | 29.5430 tonnes  | Yes                             |
| NA - 09   | Manganese (and its compounds)     | Use                                 | 128.0654 tonnes | Yes                             |
| NA - 09   | Manganese (and its compounds)     | Creation                            | 0 tonnes        | No                              |
| NA - 09   | Manganese (and its compounds)     | Contained in Product                | 127.0970 tonnes | Yes                             |
| 7664-93-9 | Sulphuric acid                    | Use                                 | 60.4465 tonnes  | Yes                             |
| 7664-93-9 | Sulphuric acid                    | Creation                            | 0 tonnes        | No                              |
| 7664-93-9 | Sulphuric acid                    | Contained in Product                | 0 tonnes        | No                              |
| NA - M16  | Volatile Organic Compounds (VOCs) | Use                                 | 8.1539 tonnes   | Yes                             |
| NA - M16  | Volatile Organic Compounds (VOCs) | Creation                            | 0 tonnes        | Yes                             |
| NA - M16  | Volatile Organic Compounds (VOCs) | Contained in Product                |                 |                                 |

## TRA Quantifications - VOC Breakdown List

| CAS RN    | Substance Name       | Use, Creation, Contained in Product | Quantity      |
|-----------|----------------------|-------------------------------------|---------------|
| 108-88-3  | Toluene              | Use                                 | 1.0119 tonnes |
| 108-88-3  | Toluene              | Creation                            | 0 tonnes      |
| 1330-20-7 | Xylene (all isomers) | Use                                 | 6.4934 tonnes |
| 1330-20-7 | Xylene (all isomers) | Creation                            | 0 tonnes      |

## TRA Quantifications - Total Speciated VOCs

## Use, Creation, Contained in Product

|          | Quantity      |
|----------|---------------|
| Use      | 7.5053 tonnes |
| Creation | 0 tonnes      |

## 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 - 09   | Manganese (and its compounds)     |                                    |                    |   |  | No                         |
| 7664-93-9 | Sulphuric acid                    |                                    |                    |   |  | No                         |
| NA - M16  | Volatile Organic Compounds (VOCs) |                                    |                    |   |  | No                         |

## On-site Releases - Releases to air

| CAS RN    | Substance Name                    | Category                       | Basis of Estimate         | Detail Code | Quantity      |
|-----------|-----------------------------------|--------------------------------|---------------------------|-------------|---------------|
| 7664-93-9 | Sulphuric acid                    | Stack or Point Releases        | O - Engineering Estimates |             | 0.0182 tonnes |
| NA - M16  | Volatile Organic Compounds (VOCs) | Stack or Point Releases        | C - Mass Balance          |             | 7.0373 tonnes |
| NA - M16  | Volatile Organic Compounds (VOCs) | Other Sources - Speciated VOCs | NA - Not Applicable       |             | 7.0373 tonnes |

## On-site Releases - Releases to air - Total

| CAS RN    | Substance Name                    | Total - Releases to Air |
|-----------|-----------------------------------|-------------------------|
| 7664-93-9 | Sulphuric acid                    | 0.0182 tonnes           |
| NA - M16  | Volatile Organic Compounds (VOCs) | 7.0373 tonnes           |

## On-site Releases - Releases to air - VOC Breakdown List

| Category                       | CAS RN    | Substance Name       | Quantity      |
|--------------------------------|-----------|----------------------|---------------|
| Other Sources - Speciated VOCs | 108-88-3  | Toluene              | 0.8733 tonnes |
| Other Sources - Speciated VOCs | 1330-20-7 | Xylene (all isomers) | 5.6042 tonnes |

## On-site Releases - Total

| CAS RN    | Substance Name | Total releases |
|-----------|----------------|----------------|
| 7664-93-9 | Sulphuric acid | 0.0182 tonnes  |

## On-site Releases - Quarterly Breakdown of Annual Releases

| CAS RN    | Substance Name | Quarter 1 | Quarter 2 | Quarter 3 | Quarter 4 |
|-----------|----------------|-----------|-----------|-----------|-----------|
| 7664-93-9 | Sulphuric acid | 25        | 25        | 25        | 25        |

## On-site Releases - Monthly Breakdown of Annual Releases

| CAS RN   | Substance Name                    | Jan  | Feb  | Mar  | Apr  | May  | June | July | Aug  | Sept | Oct  | Nov  | Dec  |
|----------|-----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| NA - M16 | Volatile Organic Compounds (VOCs) | 8.33 | 8.33 | 8.34 | 8.33 | 8.33 | 8.34 | 8.33 | 8.33 | 8.34 | 8.33 | 8.33 | 8.34 |

## 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 |
|-----------|-----------------------------------|--|----------|
| 7664-93-9 | Sulphuric acid                    | No significant change (i.e. < 10%) or no change      |          |
| NA - 06   | Copper (and its compounds)        | Changes in production levels                         |          |
| NA - 09   | Manganese (and its compounds)     | Changes in production levels                         |          |
| NA - M16  | Volatile Organic Compounds (VOCs) | 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  |             | 1.5212 tonnes |

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

| CAS RN | Substance Name | Total - Off-site Disposals |
|--------|----------------|----------------------------|
|        |                |                            |

| CAS RN  | Substance Name             | Total - Off-site Disposals |
|---------|----------------------------|----------------------------|
| NA - 06 | Copper (and its compounds) | 1.5212 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 | Newalta Corp. - Hamilton (Brant Street) | 237 Brant St., Hamilton, ON, Canada           | 1.5212 tonnes |
| NA - 06 | Copper (and its compounds) | Landfill | Newalta Corp. - Brantford               | 112 Adams Blvd., Brantford, ON, Canada        |               |
| NA - 06 | Copper (and its compounds) | Landfill | K&K Recycling                           | 706 Strathearne Ave. N., Hamilton, ON, Canada |               |
| NA - 06 | Copper (and its compounds) | Landfill | Direct Line Environmental Services Inc. | 1070 Toy Ave., Pickering, ON, Canada          |               |
| NA - 06 | Copper (and its compounds) | Landfill | Network Environmental Services Inc.     | 31 Golden Gate Court, Scarborough, ON, Canada |               |
| NA - 06 | Copper (and its compounds) | Landfill | North Toronto Treatment Plant           | 21 Redway Rd., Toronto, ON, Canada            |               |
| NA - 06 | Copper (and its compounds) | Landfill | Quantex Technologies                    | 309 Cherry St., Toronto, ON, Canada           |               |

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

| CAS RN    | Substance Name             | Category                         | Basis of Estimate | Detail Code | Quantity       |
|-----------|----------------------------|----------------------------------|-------------------|-------------|----------------|
| NA - 06   | Copper (and its compounds) | Chemical Treatment               | C - Mass Balance  |             | 7.3423 tonnes  |
| NA - 06   | Copper (and its compounds) | Municipal Sewage Treatment Plant | C - Mass Balance  |             | 0.0030 tonnes  |
| 7664-93-9 | Sulphuric acid             | Chemical Treatment               | C - Mass Balance  |             | 59.4726 tonnes |

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

| CAS RN    | Substance Name             | Total - Treatment Prior to Final Disposal |
|-----------|----------------------------|---|
| NA - 06   | Copper (and its compounds) | 7.3453 tonnes                             |
| 7664-93-9 | Sulphuric acid             | 59.4726 tonnes                            |

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

| CAS RN    | Substance Name             | Category                         | Off-site Name                           | Off-site Address                              | Quantity       |
|-----------|----------------------------|----------------------------------|---|---|----------------|
| 7664-93-9 | Sulphuric acid             | Chemical Treatment               | Newalta Corp. - Brantford               | 112 Adams Blvd., Brantford, ON, Canada        | 0 tonnes       |
| 7664-93-9 | Sulphuric acid             | Chemical Treatment               | K&K Recycling                           | 706 Strathearne Ave. N., Hamilton, ON, Canada |                |
| 7664-93-9 | Sulphuric acid             | Chemical Treatment               | Newalta Corp. - Hamilton (Brant Street) | 237 Brant St., Hamilton, ON, Canada           |                |
| 7664-93-9 | Sulphuric acid             | Chemical Treatment               | Direct Line Environmental Services Inc. | 1070 Toy Ave., Pickering, ON, Canada          | 59.4726 tonnes |
| 7664-93-9 | Sulphuric acid             | Chemical Treatment               | Network Environmental Services Inc.     | 31 Golden Gate Court, Scarborough, ON, Canada | 0 tonnes       |
| 7664-93-9 | Sulphuric acid             | Chemical Treatment               | North Toronto Treatment Plant           | 21 Redway Rd., Toronto, ON, Canada            |                |
| 7664-93-9 | Sulphuric acid             | Chemical Treatment               | Quantex Technologies                    | 309 Cherry St., Toronto, ON, Canada           | 0 tonnes       |
| NA - 06   | Copper (and its compounds) | Chemical Treatment               | Newalta Corp. - Hamilton (Brant Street) | 237 Brant St., Hamilton, ON, Canada           | 0 tonnes       |
| NA - 06   | Copper (and its compounds) | Chemical Treatment               | Newalta Corp. - Brantford               | 112 Adams Blvd., Brantford, ON, Canada        | 0 tonnes       |
| NA - 06   | Copper (and its compounds) | Chemical Treatment               | Network Environmental Services Inc.     | 31 Golden Gate Court, Scarborough, ON, Canada | 0 tonnes       |
| NA - 06   | Copper (and its compounds) | Chemical Treatment               | Quantex Technologies                    | 309 Cherry St., Toronto, ON, Canada           | 0 tonnes       |
| NA - 06   | Copper (and its compounds) | Chemical Treatment               | Direct Line Environmental Services Inc. | 1070 Toy Ave., Pickering, ON, Canada          | 7.3423 tonnes  |
| NA - 06   | Copper (and its compounds) | Chemical Treatment               | K&K Recycling                           | 706 Strathearne Ave. N., Hamilton, ON, Canada |                |
| NA - 06   | Copper (and its compounds) | Chemical Treatment               | North Toronto Treatment Plant           | 21 Redway Rd., Toronto, ON, Canada            |                |
| NA - 06   | Copper (and its compounds) | Municipal Sewage Treatment Plant | Newalta Corp. - Hamilton (Brant Street) | 237 Brant St., Hamilton, ON, Canada           |                |
| NA - 06   | Copper (and its compounds) | Municipal Sewage Treatment Plant | North Toronto Treatment Plant           | 21 Redway Rd., Toronto, ON, Canada            | 0.0030 tonnes  |
| NA - 06   | Copper (and its compounds) | Municipal Sewage Treatment Plant | Newalta Corp. - Brantford               | 112 Adams Blvd., Brantford, ON, Canada        |                |
| NA - 06   | Copper (and its compounds) | Municipal Sewage Treatment Plant | K&K Recycling                           | 706 Strathearne Ave. N., Hamilton, ON, Canada |                |
| NA - 06   | Copper (and its compounds) | Municipal Sewage Treatment Plant | Direct Line Environmental Services Inc. | 1070 Toy Ave., Pickering, ON, Canada          |                |
| NA - 06   | Copper (and its compounds) | Municipal Sewage Treatment Plant | Network Environmental Services Inc.     | 31 Golden Gate Court, Scarborough, ON, Canada |                |
| NA - 06   | Copper (and its compounds) | Municipal Sewage Treatment Plant | Quantex Technologies                    | 309 Cherry St., Toronto, ON, Canada           |                |

### Disposals - Total Quantity Disposed (All Media)

| CAS RN    | Substance Name             | Total Quantity Disposed (All Media) |
|-----------|----------------------------|-------------------------------------|
| NA - 06   | Copper (and its compounds) | 8.8665 tonnes                       |
| 7664-93-9 | Sulphuric acid             | 59.4726 tonnes                      |

## Disposals - Reasons and Comments

| CAS RN    | Substance Name                | Reasons Why Substance Was Disposed                  | Reasons for Changes in Quantities from Previous Year | Comments |
|-----------|-------------------------------|---|--|----------|
| 7664-93-9 | Sulphuric acid                | Contaminated materials                              | Changes in production levels                         |          |
| NA - 06   | Copper (and its compounds)    | Production residues<br>Pollution abatement residues | Changes in production levels                         |          |
| NA - 09   | Manganese (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  |             | 3.6593 tonnes |
| NA - 09 | Manganese (and its compounds) | Recovery of Metals and Metal Compounds | C - Mass Balance  |             | 0.9684 tonnes |

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

| CAS RN  | Substance Name                | Total - Off-site Transfers for Recycling |
|---------|-------------------------------|--|
| NA - 06 | Copper (and its compounds)    | 3.6593 tonnes                            |
| NA - 09 | Manganese (and its compounds) | 0.9684 tonnes                            |

## 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 | Newalta Corp. - Brantford               | 112 Adams Blvd., Brantford, ON, Canada        |               |
| NA - 06 | Copper (and its compounds)    | Recovery of Metals and Metal Compounds | Newalta Corp. - Hamilton (Brant Street) | 237 Brant St., Hamilton, ON, Canada           |               |
| NA - 06 | Copper (and its compounds)    | Recovery of Metals and Metal Compounds | Direct Line Environmental Services Inc. | 1070 Toy Ave., Pickering, ON, Canada          |               |
| NA - 06 | Copper (and its compounds)    | Recovery of Metals and Metal Compounds | Network Environmental Services Inc.     | 31 Golden Gate Court, Scarborough, ON, Canada |               |
| NA - 06 | Copper (and its compounds)    | Recovery of Metals and Metal Compounds | North Toronto Treatment Plant           | 21 Redway Rd., Toronto, ON, Canada            |               |
| NA - 06 | Copper (and its compounds)    | Recovery of Metals and Metal Compounds | Quantex Technologies                    | 309 Cherry St., Toronto, ON, Canada           |               |
| NA - 06 | Copper (and its compounds)    | Recovery of Metals and Metal Compounds | K&K Recycling                           | 706 Strathearne Ave. N., Hamilton, ON, Canada | 3.6593 tonnes |
| NA - 06 | Copper (and its compounds)    | Recovery of Metals and Metal Compounds | American Iron & Metal Company Inc.      | 225 Main St. E., Milton, ON, Canada           |               |
| NA - 09 | Manganese (and its compounds) | Recovery of Metals and Metal Compounds | Newalta Corp. - Brantford               | 112 Adams Blvd., Brantford, ON, Canada        |               |
| NA - 09 | Manganese (and its compounds) | Recovery of Metals and Metal Compounds | K&K Recycling                           | 706 Strathearne Ave. N., Hamilton, ON, Canada | 0.9684 tonnes |
| NA - 09 | Manganese (and its compounds) | Recovery of Metals and Metal Compounds | Newalta Corp. - Hamilton (Brant Street) | 237 Brant St., Hamilton, ON, Canada           |               |
| NA - 09 | Manganese (and its compounds) | Recovery of Metals and Metal Compounds | Direct Line Environmental Services Inc. | 1070 Toy Ave., Pickering, ON, Canada          |               |
| NA - 09 | Manganese (and its compounds) | Recovery of Metals and Metal Compounds | Network Environmental Services Inc.     | 31 Golden Gate Court, Scarborough, ON, Canada |               |
| NA - 09 | Manganese (and its compounds) | Recovery of Metals and Metal Compounds | North Toronto Treatment Plant           | 21 Redway Rd., Toronto, ON, Canada            |               |
| NA - 09 | Manganese (and its compounds) | Recovery of Metals and Metal Compounds | Quantex Technologies                    | 309 Cherry St., Toronto, ON, Canada           |               |
| NA - 09 | Manganese (and its compounds) | Recovery of Metals and Metal Compounds | American Iron & Metal Company Inc.      | 225 Main St. E., Milton, ON, Canada           | 0 tonnes      |

## Recycling - Reasons and Comments

| CAS RN    | Substance Name                | Reasons Why Substance Was Recycled   | Reasons for Changes in Quantities Recycled from Previous Year   | Comments |
|-----------|-------------------------------|--|---|----------|
| 7664-93-9 | Sulphuric acid                |  | Changes in production levels                                    |          |
| NA - 06   | Copper (and its compounds)    | Production Residues<br>Off-specification products<br>Unusable parts or discards<br>Machine or finishing residues | Changes in production levels                                    |          |
| NA - 09   | Manganese (and its compounds) | Off-specification products<br>Unusable parts or discards   | Changes in production levels<br>Pollution prevention activities |          |

| 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) | 46.9109 tonnes  | 110.8857 tonnes        | 2015                                       | -63.9748 | -57.69   |
| NA - 06   | Copper (and its compounds)    | No           | Creation                  | 0 tonnes        | 0 tonnes               | 2015                                       | 0        |          |
| NA - 06   | Copper (and its compounds)    | No           | Contained in Product      | 29.5430 tonnes  | 97.4117 tonnes         | 2015                                       | -67.8687 | -69.67   |
| NA - 09   | Manganese (and its compounds) | No           | Enters the facility (Use) | 128.0654 tonnes | 120.0441 tonnes        | 2015                                       | 8.0213   | 6.68     |
| NA - 09   | Manganese (and its compounds) | No           | Creation                  | 0 tonnes        | 0 tonnes               | 2015                                       | 0        |          |
| NA - 09   | Manganese (and its compounds) | No           | Contained in Product      | 127.0970 tonnes | 118.8657 tonnes        | 2015                                       | 8.2313   | 6.92     |
| 7664-93-9 | Sulphuric acid                | No           | Enters the facility (Use) | 60.4465 tonnes  | 64.7552 tonnes         | 2015                                       | -4.3087  | -6.65    |
| 7664-93-9 | Sulphuric acid                | No           | Creation                  | 0 tonnes        | 0 tonnes               | 2015                                       | 0        |          |
| 7664-93-9 | Sulphuric acid                | No           | Contained in Product      | 0 tonnes        | 0 tonnes               | 2015                                       | 0        |          |
| 108-88-3  | Toluene                       | Yes          | Enters the facility (Use) | 1.0119 tonnes   | 1.1152 tonnes          | 2015                                       | -0.1033  | -9.26    |
| 108-88-3  | Toluene                       | Yes          | Creation                  | 0 tonnes        | 0 tonnes               | 2015                                       | 0        |          |
| 1330-20-7 | Xylene (all isomers)          | Yes          | Enters the facility (Use) | 6.4934 tonnes   | 4.4701 tonnes          | 2015                                       | 2.0233   | 45.26    |
| 1330-20-7 | Xylene (all isomers)          | Yes          | Creation                  | 0 tonnes        | 0 tonnes               | 2015                                       | 0        |          |

### 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)        | Decrease in production levels                  |              |
| NA - 09   | Manganese (and its compounds)     | Decrease in production levels                  |              |
| 7664-93-9 | Sulphuric acid                    | No reasons - quantities approximately the same |              |
| NA - M16  | Volatile Organic Compounds (VOCs) | Increase in production levels                  |              |

### Comparison Report - On-site Releases

| CAS RN    | Substance Name       | Is Breakdown | Category                    | Quantity      | Last Reported Quantity | Reporting Period of Last Reported Quantity | Change  | % Change |
|-----------|----------------------|--------------|-----------------------------|---------------|------------------------|--|---------|----------|
| 7664-93-9 | Sulphuric acid       | No           | Total Releases to Air       | 0.0182 tonnes | 0.0182 tonnes          | 2015                                       | 0.0000  | 0        |
| 7664-93-9 | Sulphuric acid       | No           | Total Releases to Water     | 0 tonnes      | 0 tonnes               | 2015                                       | 0       |          |
| 7664-93-9 | Sulphuric acid       | No           | Total Releases to Land      | 0 tonnes      | 0 tonnes               | 2015                                       | 0       |          |
| 7664-93-9 | Sulphuric acid       | No           | Total Releases to All Media | 0 tonnes      |                        |  |         |          |
| 108-88-3  | Toluene              | Yes          | Total Releases to Air       | 0.8733 tonnes | 0.9315 tonnes          | 2015                                       | -0.0582 | -6.25    |
| 1330-20-7 | Xylene (all isomers) | Yes          | Total Releases to Air       | 5.6042 tonnes | 3.7338 tonnes          | 2015                                       | 1.8704  | 50.09    |

### Comparison Report - On-site Releases - Reason(s) for Change

| CAS RN    | Substance Name                    | Reason(s) for Change                           | Other Reason |
|-----------|-----------------------------------|--|--------------|
| 7664-93-9 | Sulphuric acid                    | No reasons - quantities approximately the same |              |
| NA - M16  | Volatile Organic Compounds (VOCs) | 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               | 2015                                       | 0       |          |
| NA - 06   | Copper (and its compounds) | No           | Total Off-site Disposals                                      | 1.5212 tonnes | 1.9096 tonnes          | 2015                                       | -0.3884 | -20.34   |
| NA - 06   | Copper (and its compounds) | No           | Total Off-site transfer for treatment Prior to Final Disposal | 7.3453 tonnes | 6.6189 tonnes          | 2015                                       | 0.7264  | 10.97    |
| NA - 06   | Copper (and its compounds) | No           | Total On-site Disposal of Tailings and Waste Rock             | 0 tonnes      | 0 tonnes               | 2015                                       | 0       |          |
| NA - 06   | Copper (and its compounds) | No           | Total Off-site Disposal of Tailings and Waste Rock            | 0 tonnes      | 0 tonnes               | 2015                                       | 0       |          |
| 7664-93-9 | Sulphuric acid             | No           | Total On-site Disposals                                       | 0 tonnes      | 0 tonnes               | 2015                                       | 0       |          |
| 7664-93-9 | Sulphuric acid             | No           | Total Off-site Disposals                                      | 0 tonnes      | 0 tonnes               | 2015                                       | 0       |          |

| CAS RN    | Substance Name | Is Breakdown | Category  | Quantity       | Last Reported Quantity | Reporting Period of Last Reported Quantity | Change | % Change |
|-----------|----------------|--------------|---|----------------|------------------------|--|--------|----------|
| 7664-93-9 | Sulphuric acid | No           | Total Off-site transfer for treatment Prior to Final Disposal | 59.4726 tonnes | 53.7885 tonnes         | 2015                                       | 5.6841 | 10.57    |
| 7664-93-9 | Sulphuric acid | No           | Total On-site Disposal of Tailings and Waste Rock             | 0 tonnes       | 0 tonnes               | 2015                                       | 0      |          |
| 7664-93-9 | Sulphuric acid | No           | Total Off-site Disposal of Tailings and Waste Rock            | 0 tonnes       | 0 tonnes               | 2015                                       | 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) | Decrease in production levels                  |              |
| 7664-93-9 | Sulphuric acid             | No reasons - quantities approximately the same |              |

### 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 | 3.6593 tonnes | 4.9455 tonnes          | 2015                                       | -1.2862 | -26.01   |
| NA - 09 | Manganese (and its compounds) | No           | Total off-site Transfers for Recycling | 0.9684 tonnes | 1.1783 tonnes          | 2015                                       | -0.2099 | -17.81   |

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

| CAS RN  | Substance Name                | Reason(s) for Change                           | Other Reason |
|---------|-------------------------------|--|--------------|
| NA - 06 | Copper (and its compounds)    | Decrease in production levels                  |              |
| NA - 09 | Manganese (and its compounds) | No reasons - quantities approximately the same |              |

### Pollution Prevention

Does the facility have a documented pollution prevention plan?

Yes

a) Please check all that apply

Plan was prepared or implemented on a voluntary basis.

b) Did the facility update their plan in the current reporting year?

Yes

c) Does the plan address substances, energy conservation, or water conservation?

Substances  
Energy conservation  
Water conservation

Please summarize your pollution prevention plan and/or your pollution prevention activities (this information will be publicly available)

As an ISO 14001 certified company, Lincoln Electric is committed to prevention of pollution and continual improvement.

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

Yes

### Pollution Prevention Activities

| Category                                      | Activity   | Name and description of the other activity |
|---|--|--|
| Equipment or Process Modifications            | Instituted better controls on operating bulk containers<br>Changed from small volume containers to bulk containers<br>Modified or installed rinse systems<br>Improved rinse equipment design<br>Improved rinse equipment operations<br>Modified spray systems or equipment |  |
| Good Operating Practice or Training           | Improved maintenance scheduling, record keeping<br>Training related to pollution prevention  |  |
| Inventory Management or Purchasing Techniques | Instituted better labeling procedures<br>Instituted improved purchasing procedures   |  |
| Materials or feedstock substitution           |  |  |
| On-site Re-use, Recycling, or Recovery        |  |  |
| Other Pollution Prevention Activities         |  |  |
| Product Design or Reformulation               | Changed product specifications<br>Modified design or composition   |  |
| Spill or Leak Prevention Activities           | Improved storage or stacking procedures<br>Implemented inspection or monitoring program of potential spill or leak sources   |  |

### Progress on TRA Plan - Objectives



| CAS RN    | Substance Name                | Objectives   |
|-----------|-------------------------------|--|
| NA - 06   | Copper (and its compounds)    | Lincoln Electric prides itself on technological innovation in order to produce high quality products in an environmentally responsible manner. Lincoln Electric will strive to eliminate the use of copper at the facility. Further, this plan will determine the technical and economic feasibility of each option to determine which, if any, are viable for implementation at this time.        |
| NA - 09   | Manganese (and its compounds) | Lincoln Electric prides itself on technological innovation in order to produce high quality products in an environmentally responsible manner. Lincoln Electric will strive to eliminate the use of manganese at the facility. Further, this plan will determine the technical and economic feasibility of each option to determine which, if any, are viable for implementation at this time.     |
| 7664-93-9 | Sulphuric acid                | Lincoln Electric prides itself on technological innovation in order to produce high quality products in an environmentally responsible manner. Lincoln Electric will strive to eliminate the use of sulfuric acid at the facility. Further, this plan will determine the technical and economic feasibility of each option to determine which, if any, are viable for implementation at this time. |
| 108-88-3  | Toluene                       | Lincoln Electric prides itself on technological innovation in order to produce high quality products in an environmentally responsible manner. Lincoln Electric will strive to eliminate the use of toluene at the facility. Further, this plan will determine the technical and economic feasibility of each option to determine which, if any, are viable for implementation at this time.       |
| 1330-20-7 | Xylene (all isomers)          | Lincoln Electric prides itself on technological innovation in order to produce high quality products in an environmentally responsible manner. Lincoln Electric will strive to eliminate the use of xylene at the facility. Further, this plan will determine the technical and economic feasibility of each option to determine which, if any, are viable for implementation at this time.        |

### Progress on TRA Plan - Use Targets

| CAS RN    | Substance Name                | Quantity  | Years | Description of Target  |
|-----------|-------------------------------|-----------|-------|--|
| NA - 06   | Copper (and its compounds)    | 441.4 kg  | 1     | Lincoln Electric intends to reduce the use of Copper by 0.312 per cent (441.4 kg) in one year.     |
| NA - 09   | Manganese (and its compounds) | 1579.5 kg | 1     | Lincoln Electric intends to reduce the use of Manganese by 1.24 per cent (1,579.5 kg) in one year. |
| 7664-93-9 | Sulphuric acid                | 8125.4 kg | 1     | Install bulk tanks with premix solutions   |
| 108-88-3  | Toluene                       | 174.8 kg  | 1     | Reduce the amount of toluene used to coat each welder by 10%                                       |
| 1330-20-7 | Xylene (all isomers)          | 213.5 kg  | 1     | Lincoln Electric intends to reduce the use of Xylene by 2.43 per cent (213.5 kg) in one year.      |

### 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 |                       |
| NA - 09   | Manganese (and its compounds) | No quantity target | No timeline target |                       |
| 7664-93-9 | Sulphuric acid                | No quantity target | No timeline target |                       |
| 108-88-3  | Toluene                       | No quantity target | No timeline target |                       |
| 1330-20-7 | Xylene (all isomers)          | No quantity target | No timeline target |                       |

### Progress on TRA Plan - Toxic Reduction Options Implemented

| CAS RN    | Substance Name                | Activity                            | Steps that were taken in the reporting period to implement the toxic reduction option   | Public summary of the description of the steps  | Comparison of the steps that were described in the plan for implementation with the actual steps taken during the reporting period | Public summary of the comparison of the steps   |
|-----------|-------------------------------|-------------------------------------|---|---|--|---|
| NA - 06   | Copper (and its compounds)    | Other                               | High purity plating chemical solution was delivered and stored in the large storage tanks installed earlier. The high purity chemical solution was used in the process.   | Chemical storage was modified to allow use of high purity chemicals in the process.   | The steps taken were the same as the steps planned.  | Chemical storage was modified to allow use of high purity chemicals in the process.   |
| NA - 09   | Manganese (and its compounds) | Other                               | To reduce the use of manganese at the facility, Lincoln Electric improved the training of the operators to reduce the production of scrap product containing manganese.   | To reduce the use of manganese at the facility, Lincoln Electric improved the training of the operators to reduce the production of scrap product containing manganese. | The steps taken were the same as the steps planned.  | To reduce the use of manganese at the facility, Lincoln Electric improved the training of the operators to reduce the production of scrap product containing manganese. |
| 7664-93-9 | Sulphuric acid                | Increased purity of materials       | Bulk tanks for the purified chemicals which were installed and filled with the chemical were used to feed the process.  | Bulk tanks for the purified chemicals which were installed and filled with the chemical were used to feed the process.  | The steps described in the plan for implementation were the same as the steps taken during the reporting period.                   | Bulk tanks for the purified chemicals which were installed and filled with the chemical were used to feed the process.  |
| 108-88-3  | Toluene                       | Modified spray systems or equipment | New high-efficiency spray equipment was purchased and installed in the spray booth. Paint spray booth operator was trained on the use of the new equipment. New equipment was used to spray paint onto the parts to be painted. | Use of high-efficiency spray equipment was implemented.   | The steps taken were the same as the steps planned.  | Use of high-efficiency spray equipment was implemented.   |
| 1330-20-7 | Xylene (all isomers)          | Modified spray systems or equipment | New high-efficiency spray equipment was purchased and installed in the spray booth. Paint spray booth operator was trained on the use of the new equipment. New equipment was used to spray paint onto the parts to be painted. | Use of high-efficiency spray equipment was implemented.   | The steps taken were the same as the steps planned.  | Use of high-efficiency spray equipment was implemented.   |

### Progress on TRA Plan - Reductions due to Options Implemented - Equipment or process modifications



| CAS RN    | Substance Name | Activity                      | Reductions due to Options Implemented  | Quantity  |
|-----------|----------------|-------------------------------|--|-----------|
| 7664-93-9 | Sulphuric acid | Increased purity of materials | The amount of reduction in <b>creation</b> of the substance at the facility during the reporting period that resulted due to the steps described:  | No Amount |
| 7664-93-9 | Sulphuric acid | Increased purity of materials | The amount of reduction in the substance <b>contained in product</b> at the facility during the reporting period that resulted due to the steps described:                                   | No Amount |
| 7664-93-9 | Sulphuric acid | Increased purity of materials | 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 steps described:                                      | No Amount |
| 7664-93-9 | Sulphuric acid | Increased purity of materials | 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 steps described:                                    | No Amount |
| 7664-93-9 | Sulphuric acid | Increased purity of materials | The amount of reduction in <b>release to land</b> of the substance at the facility during the reporting period that resulted due to steps described:   | No Amount |
| 7664-93-9 | Sulphuric acid | Increased purity of materials | 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 steps described:  | No Amount |
| 7664-93-9 | Sulphuric acid | Increased purity of materials | 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 steps described: | No Amount |
| 7664-93-9 | Sulphuric acid | Increased purity of materials | The amount of reduction in the substance <b>recycled off-site</b> at the facility during the reporting period that resulted due to the steps described:                                      | No Amount |

### Progress on TRA Plan - Reductions due to Options Implemented - Good operator practice or training

| CAS RN  | Substance Name                | Activity | Reductions due to Options Implemented  | Quantity  |
|---------|-------------------------------|----------|--|-----------|
| NA - 09 | Manganese (and its compounds) | Other    | The amount of reduction in <b>use</b> of the substance at the facility during the reporting period that resulted due to the steps described:   | No Amount |
| NA - 09 | Manganese (and its compounds) | Other    | The amount of reduction in <b>creation</b> of the substance at the facility during the reporting period that resulted due to the steps described:  | No Amount |
| NA - 09 | Manganese (and its compounds) | Other    | The amount of reduction in the substance <b>contained in product</b> at the facility during the reporting period that resulted due to the steps described:                                   | No Amount |
| NA - 09 | Manganese (and its compounds) | Other    | 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 steps described:                                      | No Amount |
| NA - 09 | Manganese (and its compounds) | Other    | 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 steps described:                                    | No Amount |
| NA - 09 | Manganese (and its compounds) | Other    | The amount of reduction in <b>release to land</b> of the substance at the facility during the reporting period that resulted due to steps described:   | No Amount |
| NA - 09 | Manganese (and its compounds) | Other    | 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 steps described:  | No Amount |
| NA - 09 | Manganese (and its compounds) | Other    | 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 steps described: | No Amount |
| NA - 09 | Manganese (and its compounds) | Other    | The amount of reduction in the substance <b>recycled off-site</b> at the facility during the reporting period that resulted due to the steps described:                                      | No Amount |

### 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   |  |  |
| NA - 09   | Manganese (and its compounds) | No   |  |  |
| 7664-93-9 | Sulphuric acid                | No   |  |  |
| 108-88-3  | Toluene                       | No   |  |  |
| 1330-20-7 | Xylene (all isomers)          | 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. |          |



## 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   |   |  |
| NA - 09   | Manganese (and its compounds) | No   |   |  |
| 7664-93-9 | Sulphuric acid                | No   |   |  |
| 108-88-3  | Toluene                       | No   |   |  |
| 1330-20-7 | Xylene (all isomers)          | No   |   |  |

## Report Submission and Electronic Certification

### NPRI - Electronic Statement of Certification

Specify the language of correspondence

English

Comments (optional)

I hereby certify that I have exercised due diligence to ensure that the submitted information is true and complete. The amounts and values for the facility(ies) identified below are accurate, based on reasonable estimates using available data. The data for the facility(ies) that I represent are hereby submitted to the programs identified below using the Single Window Reporting Application.

I also acknowledge that the data will be made public.

Note: Only the person identified as the Certifying Official or the authorized delegate should submit the report(s) identified below.

Company Name

Lincoln Electric Co. of Canada LP

Certifying Official (or authorized delegate)

Frank Conroy

Report Submitted by

Frank Conroy

I, the Certifying Official or authorized delegate, agree with the statements above and acknowledge that by pressing the "Submit Report(s)" button, I am electronically certifying and submitting the facility report(s) for the identified company to its affiliated programs.

### ON MOE TRA - Electronic Certification Statement

#### Annual Report Certification Statement

As of 17/05/2017, I, Adel Mir, certify that I have read the reports on the toxic substance reduction plans for the toxic substances referred to below and am familiar with their contents, and to my knowledge the information contained in the reports is factually accurate and the reports comply with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.

#### TRA Substance List

| CAS RN    | Substance Name                    |
|-----------|-----------------------------------|
| NA - 06   | Copper (and its compounds)        |
| NA - 09   | Manganese (and its compounds)     |
| 7664-93-9 | Sulphuric acid                    |
| 108-88-3  | Toluene                           |
| NA - M16  | Volatile Organic Compounds (VOCs) |
| 1330-20-7 | Xylene (all isomers)              |

Company Name

Lincoln Electric Co. of Canada LP

Highest Ranking Employee

Adel Mir

Report Submitted by

Frank Conroy

Website address

<http://www.lincolnelectric.com>

I, the highest ranking employee, agree with the certification statement(s) above and acknowledge that by checking the box I am electronically signing the statement(s). I also acknowledge that by pressing the 'Submit Report(s)' button I am submitting the facility record(s)/report(s) for the

identified facility to the Director under the Toxics Reduction Act, 2009. I also acknowledge that the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 provide the authority to the Director under the Act to make certain information as specified in subsection 27(5) of Ontario Regulation 455/09 available to the public.

## Submitted Report

| Period | Submission Date | Facility Name                               | Province | City    | Programs        |
|--------|-----------------|---|----------|---------|-----------------|
| 2016   | 17/05/2017      | LINCOLN<br>ELECTRIC<br>COMPANY OF<br>CANADA | Ontario  | Toronto | NPRI,ON MOE TRA |

Note: If there is a change in the contact information for the facility, a change in the owner or operator of the facility, if operations at the facility are terminated, or if information submitted for any previous year was mistaken or inaccurate, please update this information through SWIM or by contacting the National Pollutant Release Inventory directly.

Version: 3.11.4



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