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Services

# National Pollutant Release Inventory (NPRI) and Partners





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# Report Preview

Report Details

Report Year 2017

Report Type: NPRLON MOE TRA

Report Status: Submitted

Modified Date/Time: 24/05/2018 11:34 AM

Company and Facility Details

Company Name:

Gay Lea Foods Co-operative Limited (formerly Salerno formerly Salerno Dairy Products)

Business Number: 101963213

Mailing Address: Address Line 1: 20 Morley St

City, Province/Territory, Postal Code: Hamilton Ontario L8H3R7

Country: Canada

Facility Name: Salerno

NAICS Code: 311515

NPRI ID: 11260

Physical Address: Address Line 1: 20 Morley Street

City, Province/Territory, Postal Code: Hamilton Ontario L8H3R7

Country: Canada Latitude: 43.2505 Longitude: -79.7839 UTM Zone: 17 UTM Easting: 598719 UTM Northing: 4789350

**Permits** 

Number or Permit Number: ON1798300

Government Department, Agency, or Program

Name:

Ministry of the Environment

Contacts Details

Contact Type

Technical Contact, Contractor Contact, Person who prepared the report

Name: Angelo Venerus

Position: Consultant

Telephone: 5198231252

Fax: 5198232046

Email: vipinc@on.aibn.com

| name:  | Venerus International Purification Inc.  |
|--|--|
|  |  |
| Contact Type   | Certifying Official, Person who coordinated the preparation of the Toxics Reduction Plan,<br>Public Contact        |
| Name:  | Joseph Assenza   |
| Position:  | Maintenance Supervisor   |
| Telephone:   | 9059616429   |
| Email:   | maintenance@salernodairy.com   |
| Contact Type   | Company Coordinator  |
| Name:  | Joseph Assenza   |
| Position:  | Maintenance Supervisor   |
| Telephone:   | 9052835214   |
| Email:   | maintenance@salernodairy.com   |
| Contact Type   | Highest Ranking Employee   |
| Name:  | Mario Dicunto  |
| Position:  | General Manager  |
| Telephone:   | 9055446281   |
| Extension  | 8289   |
| Email:   | mdicunto@gayleafoods.com   |
| Mailing Address:   | Address Line 1: 20 Morley St<br>City, Province/Territory, Postal Code: Hamilton Ontario L8H 3R7<br>Country: Canada |
| General Information  |  |
| Number of employees:   | 120  |
| 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   |
| Operating Schedule - Days of the Week:   | Mon, Tue, Wed, Thu, Fri, Sat   |
| Usual Number of Operating Hours per day:   | 24   |
| Usual Daily Start Time (24h) (hh:mm):  | 06:00  |
| General Comments for Facility:   | Due to increased production as of Aug. 2017 the plant operates 6 days /wk.   |

#### Substance List

| CAS RN    | Substance Name                       | Releases | Releases (Speciated VOCs) | Disposals | Recycling | Unit   |
|-----------|--------------------------------------|----------|---------------------------|-----------|-----------|--------|
| NA - 17   | Nitrate ion in solution at pH >= 6.0 | N/A      | N/A                       | N/A       | N/A       | tonnes |
| 7697-37-2 | Nitric acid                          | N/A      | N/A                       | N/A       | N/A       | tonnes |
| 7664-93-9 | Sulphuric acid                       | N/A      | N/A                       | N/A       | N/A       | tonnes |

### Applicable Programs

| CAS RN    | Substance Name                       | NPRI | ON MOE TRA | ON MOE Reg 127/01 | First report for<br>this substance to<br>the ON MOE TRA |
|-----------|--------------------------------------|------|------------|-------------------|---|
| NA - 17   | Nitrate ion in solution at pH >= 6.0 | Yes  | Yes        |                   | No  |
| 7697-37-2 | Nitric acid                          | Yes  | Yes        |                   | No  |
| 7664-93-9 | Sulphuric acid                       | Yes  | Yes        |                   | No  |

### 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<br>(Speciated VOC) was released to air |
|-----------|--------------------------------------|------------------------------------|---|--|
| NA - 17   | Nitrate ion in solution at pH >= 6.0 | No                                 | No  | No   |
| 7697-37-2 | Nitric acid                          | No                                 | No  | No   |
| 7664-93-9 | Sulphuric acid                       | No                                 | No  | No   |

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

| CAS RN    | Substance<br>Name                    | Was the substance disposed of (on-site or off-<br>site), or transferred for treatment prior to final<br>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 - 17   | Nitrate ion in solution at pH >= 6.0 | No   | No   | No   |
| 7697-37-2 | Nitric acid                          | No   | No   | No   |
| 7664-93-9 | Sulphuric acid                       | No   | No   | No   |

### General Information about the Substance - Nature of Activities

| CAS RN    | Substance Name                       | Manufacture the Substance | Process the Substance | Otherwise Use of the Substance           |
|-----------|--------------------------------------|---------------------------|-----------------------|--|
| NA - 17   | Nitrate ion in solution at pH >= 6.0 |                           |                       | As a physical or chemical processing aid |
| 7697-37-2 | Nitric acid                          |                           |                       | As a physical or chemical processing aid |
| 7664-93-9 | Sulphuric acid                       |                           |                       | As a physical or chemical processing aid |

#### **TRA Quantifications**

| CAS RN    | Substance Name                       | Use, Creation, Contained in Product | Quantity    | Use ranges for public reporting |
|-----------|--------------------------------------|-------------------------------------|-------------|---------------------------------|
| NA - 17   | Nitrate ion in solution at pH >= 6.0 | Use                                 | 27.6 tonnes | Yes                             |
| NA - 17   | Nitrate ion in solution at pH >= 6.0 | Creation                            | 0 tonnes    | No                              |
| NA - 17   | Nitrate ion in solution at pH >= 6.0 | Contained in Product                | 0 tonnes    | No                              |
| 7697-37-2 | Nitric acid                          | Use                                 | 28.2 tonnes | Yes                             |
| 7697-37-2 | Nitric acid                          | Creation                            | 0 tonnes    | No                              |
| 7697-37-2 | Nitric acid                          | Contained in Product                | 0 tonnes    | No                              |
| 7664-93-9 | Sulphuric acid                       | Use                                 | 14.6 tonnes | Yes                             |
| 7664-93-9 | Sulphuric acid                       | Creation                            | 0 tonnes    | No                              |
| 7664-93-9 | Sulphuric acid                       | Contained in Product                | 0 tonnes    | No                              |

### TRA Quantifications - Others

| CAS RN    | Substance<br>Name                    | Change in Method of Quantification | Reasons<br>for<br>Change | Description of how the change impact tracking and quantification of the substance | Description of how an incident(s) affected quantifications | Significant<br>Process<br>Change |
|-----------|--------------------------------------|------------------------------------|--------------------------|---|--|----------------------------------|
| NA - 17   | Nitrate ion in solution at pH >= 6.0 |                                    |                          |   | Increased production                                       | Yes                              |
| 7697-37-2 | Nitric acid                          |                                    |                          |   | Increased production and cleaning requirements             | Yes                              |
| 7664-93-9 | Sulphuric acid                       |                                    |                          |   |  | No                               |

Change in Method Reasons Description of how the change impact Description of how an Significant Substance **CAS RN** for tracking and quantification of the incident(s) affected **Process** of Quantification Name Change substance quantifications Change

#### 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                       | Changes in production levels                         |          |
| 7697-37-2 | Nitric acid                          | Changes in production levels                         |          |
| NA - 17   | Nitrate ion in solution at pH >= 6.0 | Changes in production levels                         |          |

#### Disposals - Reasons and Comments

| CAS RN    | Substance Name Reasons Why Substance Was Disposed |  | Reasons for Changes in Quantities from Previous Year Comme |  |  |
|-----------|---|--|--|--|--|
| 7664-93-9 | Sulphuric acid                                    |  | Changes in production levels                               |  |  |
| 7697-37-2 | Nitric acid                                       |  | Changes in production levels                               |  |  |
| NA - 17   | Nitrate ion in solution at pH >= 6.0              |  | Not applicable (first year reporting this substance)       |  |  |

### Recycling - Reasons and Comments

| CAS RN    | Substance Name                       | Reasons Why Substance Was<br>Recycled | Reasons for Changes in Quantities Recycled from Previous Year $\label{eq:Quantities} % \begin{center} c$ | Comments |
|-----------|--------------------------------------|---------------------------------------|---|----------|
| 7664-93-9 | Sulphuric acid                       |                                       | Changes in production levels  |          |
| 7697-37-2 | Nitric acid                          |                                       | Changes in production levels  |          |
| NA - 17   | Nitrate ion in solution at pH >= 6.0 |                                       | Not applicable (first year reporting this substance)  |          |

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

| CAS RN    | Substance Name                       | Is<br>Breakdown | Category                  | Quantity       | Last Reported<br>Quantity | Reporting Period of Last<br>Reported Quantity | Change | % Change |
|-----------|--------------------------------------|-----------------|---------------------------|----------------|---------------------------|---|--------|----------|
| NA - 17   | Nitrate ion in solution at pH >= 6.0 | No              | Enters the facility (Use) | 27.6<br>tonnes | 17.9 tonnes               | 2016  | 9.7    | 54.19    |
| NA - 17   | Nitrate ion in solution at pH >= 6.0 | No              | Creation                  | 0 tonnes       | 0 tonnes                  | 2016  | 0      |          |
| NA - 17   | Nitrate ion in solution at pH >= 6.0 | No              | Contained in<br>Product   | 0 tonnes       | 0 tonnes                  | 2016  | 0      |          |
| 7697-37-2 | Nitric acid                          | No              | Enters the facility (Use) | 28.2<br>tonnes | 18.2 tonnes               | 2016  | 10.0   | 54.95    |
| 7697-37-2 | Nitric acid                          | No              | Creation                  | 0 tonnes       | 0 tonnes                  | 2016  | 0      |          |
| 7697-37-2 | Nitric acid                          | No              | Contained in<br>Product   | 0 tonnes       | 0 tonnes                  | 2016  | 0      |          |
| 7664-93-9 | Sulphuric acid                       | No              | Enters the facility (Use) | 14.6<br>tonnes | 13 tonnes                 | 2016  | 1.6    | 12.31    |
| 7664-93-9 | Sulphuric acid                       | No              | Creation                  | 0 tonnes       | 0 tonnes                  | 2016  | 0      |          |
| 7664-93-9 | Sulphuric acid                       | No              | Contained in Product      | 0 tonnes       | 0 tonnes                  | 2016  | 0      |          |

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

| CAS RN    | Substance Name Reason(s) for Change  |  | Other Reason  |
|-----------|--|--|---|
| NA - 17   | Nitrate ion in solution at pH Increase in production levels Abnormal incident occurred at facility in the current reporting year |  |   |
| 7697-37-2 | Nitric acid  | Increase in production levels<br>Abnormal incident occurred at facility in the current<br>reporting year |   |
| 7664-93-9 | Sulphuric acid   | Increase in production levels Abnormal incident occurred at facility in the current reporting year Other | Operate 1 extra day (Saturday) + pH set point was lowered requiring more acid |

#### 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 - 17   | Nitrate ion in solution at pH >= 6.0 | To reduce Nitrate Ion by $\sim$ 10 %  |
|-----------|--------------------------------------|---|
| 7697-37-2 | Nitric acid                          | To reduce Nitric Acid/ Nitrate Ion by $\sim 10$ % from i) installation of a New CIP System ii) Upgrading the old CIP system   |
| 7664-93-9 | Sulphuric acid                       | To reduce Sulphuric Acid by $\sim 30$ % by: i) Installation of a new RO system ii) If the RO operation does not provide 30% reduction a large storage tank will be purchased to increase storage of spent waste stream capture and flow equalization. |

## Progress on TRA Plan - Use Targets

| CAS RN    | Substance Name                       | ubstance Name Quantity Years |   | Description of Target                                       |  |
|-----------|--------------------------------------|------------------------------|---|---|--|
| NA - 17   | Nitrate ion in solution at pH >= 6.0 | 3 tonnes                     | 1 | 3-6 month for new CIP 6-12 months for upgrading old CIP     |  |
| 7697-37-2 | Nitric acid                          | 3.1 tonnes                   | 1 | 3-6 months for New CIP 6-12 months for upgrading old system |  |
| 7664-93-9 | Sulphuric acid                       | 4.8 tonnes                   | 2 | New RO - 6 months New Tank - 2 years                        |  |

## Progress on TRA Plan - Creation Targets

| CAS RN    | Substance Name                       | Quantity           | Years              | Description of Target |
|-----------|--------------------------------------|--------------------|--------------------|-----------------------|
| NA - 17   | Nitrate ion in solution at pH >= 6.0 | No quantity target | No timeline target |                       |
| 7697-37-2 | Nitric acid                          | No quantity target | No timeline target |                       |
| 7664-93-9 | Sulphuric acid                       | No quantity target | No timeline target |                       |

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

| CAS RN    | Substance<br>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<br>summary<br>of the<br>comparison<br>of the<br>steps |
|-----------|--------------------------------------|---|--|--|--|--|
| NA - 17   | Nitrate ion in solution at pH >= 6.0 | Modified<br>equipment,<br>layout or<br>piping | A New CIP System was installed within the 12 month period and continues to be used The Old CIP System was upgraded within the 12 month target and continues to be used A new RO system was installed with the 1st 12 months and continues to be used | A New CIP System was installed within the 12 month period and continues to be used The Old CIP System was upgraded within the 12 month target and continues to be used A new RO system was installed with the 1st 12 months and continues to be used | The steps taken were as per the plan   | The steps taken were as per the plan.                        |
| 7697-37-2 | Nitric acid                          | Modified<br>equipment,<br>layout or<br>piping | Installed a New CIP system which continues to be use Upgraded the OLD CIP System that continues to be used Installed a New RO system that continues to be used   | Installed a New CIP system which continues to be use Upgraded the OLD CIP System that continues to be used Installed a New RO system that continues to be used   | The steps taken were as per the plan   | The Steps<br>taken were<br>as per the<br>plan                |
| 7664-93-9 | Sulphuric<br>acid                    | Other   | The new RO was installed and operating within the first 12 month period and continues to be used.  | The new RO was installed and operating within the first 12 month period and continues to be used.  | The steps that were taken are as per the plan targets  | The steps taken were as per the plan targets.                |

| CAS RN    | Substance Name Activity              |                                      | Will the timelines in the current version of the plan will be met | Comments |
|-----------|--------------------------------------|--------------------------------------|---|----------|
| NA - 17   | Nitrate ion in solution at pH >= 6.0 | Modified equipment, layout or piping | Yes   |          |
| 7697-37-2 | Nitric acid                          | Modified equipment, layout or piping | Yes   |          |
| 7664-93-9 | Sulphuric acid                       | Other                                | Yes   |          |

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

| CAS RN  | Substance Name                       | Activity                                   | Reductions due to Options Implemented  | Quantity  |
|---------|--------------------------------------|--|--|-----------|
| NA - 17 | Nitrate ion in solution at pH >= 6.0 | Modified equipment, layout or piping       | 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 - 17 | Nitrate ion in solution at pH >= 6.0 | Modified equipment, layout or piping       | 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 - 17 | Nitrate ion in solution at pH >= 6.0 | Modified equipment, layout or piping       | 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 - 17 | Nitrate ion in solution at pH >= 6.0 | Modified<br>equipment, layout<br>or piping | 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 |

| CAS RN    | Substance Name                       | Activity                                   | Reductions due to Options Implemented  | Quantity  |
|-----------|--------------------------------------|--|--|-----------|
| NA - 17   | Nitrate ion in solution at pH >= 6.0 | Modified equipment, layout or piping       | 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 - 17   | Nitrate ion in solution at pH >= 6.0 | Modified equipment, layout or piping       | 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 - 17   | Nitrate ion in solution at pH >= 6.0 | Modified equipment, layout or piping       | 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 - 17   | Nitrate ion in solution at pH >= 6.0 | Modified equipment, layout or piping       | 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 - 17   | Nitrate ion in solution at pH >= 6.0 | Modified equipment, layout or piping       | 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 |
| 7697-37-2 | Nitric acid                          | Modified<br>equipment, layout<br>or piping | 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 |
| 7697-37-2 | Nitric acid                          | Modified equipment, layout or piping       | 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 |
| 7697-37-2 | Nitric acid                          | Modified equipment, layout or piping       | 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 |
| 7697-37-2 | Nitric acid                          | Modified equipment, layout or piping       | 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 |
| 7697-37-2 | Nitric acid                          | Modified equipment, layout or piping       | 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 |
| 7697-37-2 | Nitric acid                          | Modified equipment, layout or piping       | 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 |
| 7697-37-2 | Nitric acid                          | Modified equipment, layout or piping       | 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 |
| 7697-37-2 | Nitric acid                          | Modified equipment, layout or piping       | 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 |
| 7697-37-2 | Nitric acid                          | Modified equipment, layout or piping       | 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 |
| 7664-93-9 | Sulphuric acid                       | 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 |
| 7664-93-9 | Sulphuric acid                       | 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 |
| 7664-93-9 | Sulphuric acid                       | 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 |
| 7664-93-9 | Sulphuric acid                       | 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 |
| 7664-93-9 | Sulphuric acid                       | 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 |
| 7664-93-9 | Sulphuric acid                       | 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 |
| 7664-93-9 | Sulphuric acid                       | 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 |
| 7664-93-9 | Sulphuric acid                       | 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 |
| 7664-93-9 | Sulphuric acid                       | 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<br>Name                    | Were there any additional actions outside the plan<br>taken during the reporting period to reduce the use<br>and/or creation of the substance? | Describe any additional actions that<br>were taken during the reporting period<br>to achieve the plan's objectives | Provide a public summary of the description of the additional action taken |
|-----------|--------------------------------------|--|--|--|
| NA - 17   | Nitrate ion in solution at pH >= 6.0 | No   |  |  |
| 7697-37-2 | Nitric acid                          | No   |  |  |
| 7664-93-9 | Sulphuric<br>acid                    | Yes  | 110,000 L equalization tank and a new pH<br>Controller was installed   | 110,000 L equalization tank<br>and a new pH Controller was<br>installed    |

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

| CAS RN    | Substance Name                       | Reductions due to additional actions taken  | Quantity  |
|-----------|--------------------------------------|---|-----------|
| NA - 17   | Nitrate ion in solution at pH >= 6.0 | 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 - 17   | Nitrate ion in solution at pH >= 6.0 | 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 - 17   | Nitrate ion in solution at pH >= 6.0 | 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 - 17   | Nitrate ion in solution at pH >= 6.0 | 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 - 17   | Nitrate ion in solution at pH >= 6.0 | 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 - 17   | Nitrate ion in solution at pH >= 6.0 | 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 - 17   | Nitrate ion in solution at pH >= 6.0 | 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 - 17   | Nitrate ion in solution at pH >= 6.0 | 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 - 17   | Nitrate ion in solution at pH >= 6.0 | 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.                                      |           |
| 7697-37-2 | Nitric acid                          | 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.   |           |
| 7697-37-2 | Nitric acid                          | 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.  |           |
| 7697-37-2 | Nitric acid                          | 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.                                   |           |
| 7697-37-2 | Nitric acid                          | 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.                                      |           |
| 7697-37-2 | Nitric acid                          | 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.                                    |           |
| 7697-37-2 | Nitric acid                          | 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.   |           |
| 7697-37-2 | Nitric acid                          | 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.  |           |
| 7697-37-2 | Nitric acid                          | 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. |           |
| 7697-37-2 | Nitric acid                          | 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.                                      |           |
| 7664-93-9 | Sulphuric acid                       | 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.   | No Amount |
| 7664-93-9 | Sulphuric acid                       | 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.  | No Amount |
| 7664-93-9 | Sulphuric acid                       | 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.                                   | No Amount |
| 7664-93-9 | Sulphuric acid                       | 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.                                      | No Amount |
| 7664-93-9 | Sulphuric acid                       | 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.                                    | No Amount |
| 7664-93-9 | Sulphuric acid                       | 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.   | No Amount |
| 7664-93-9 | Sulphuric acid                       | 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.  | No Amount |
| 7664-93-9 | Sulphuric acid                       | 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. | No Amount |
| 7664-93-9 | Sulphuric acid                       | 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.                                      | No Amount |

## Progress on TRA Plan - Amendments

| CAS RN    | Substance<br>Name                    | Were any amendments made to<br>the toxic substance reduction<br>plan during the reporting period | Description any amendments that<br>were made to the toxic substance<br>reduction plan during the reporting<br>period | Provide a public summary of the description of any<br>amendments that were made to the toxic<br>substance reduction plan during the reporting<br>period |
|-----------|--------------------------------------|--|--|---|
| NA - 17   | Nitrate ion in solution at pH >= 6.0 | No   |  |   |
| 7697-37-2 | Nitric acid                          | No   |  |   |
| 7664-93-9 | Sulphuric acid                       | No   |  |   |

### Report Submission and Electronic Certification

|        |             | 01-1      |          | Certification |
|--------|-------------|-----------|----------|---------------|
| MPRI - | - IACTRONIC | Statement | $\alpha$ | I AMITICATION |
|        |             |           |          |               |

| 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
Gay Lea Foods Co-operative Limited (formerly Salerno formerly Salerno Dairy Products)

Certifying Official (or authorized delegate)

Joseph Assenza

Report Submitted by

Angelo Venerus

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 24/05/2018, I, Mario Dicunto, 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                           |  |  |  |  |
|---|----------|--|--|--|--|--|
| N.A   | A - 17   | Nitrate ion in solution at pH $\geq$ 6.0 |  |  |  |  |
| 76  | 597-37-2 | Nitric acid                              |  |  |  |  |
| 76  | 564-93-9 | Sulphuric acid                           |  |  |  |  |
| Compan  | y Name   |  |  |  |  |  |
| Gay Lea Foods Co-operative Limited (formerly Salerno formerly Salerno Dairy Products) |          |  |  |  |  |  |
| Highest Ranking Employee  |          |  |  |  |  |  |
| Mario Dicunto   |          |  |  |  |  |  |
| Report Submitted by   |          |  |  |  |  |  |
| Angelo Venerus  |          |  |  |  |  |  |
| Website address   |          |  |  |  |  |  |

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        |
|--------|-----------------|---------------|----------|----------|-----------------|
| 2017   | 24/05/2018      | Salerno       | Ontario  | Hamilton | 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: 3.14.0



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