

## **TOXIC SUBSTANCE REDUCTION PLAN SUMMARY**

### **1. OWNER AND OPERATOR OF FACILITY:**

GAY LEA FOODS COOPERATIVE LIMITED  
5200 ORBITOR DRIVE  
MISSISSAUGA, ONTARIO  
L4W 5B4

### **2. FACILITY:**

GAY LEA FOODS COOPERATIVE LIMITED  
21 Speedvale Avenue, West  
Guelph, Ontario,  
N1H 1J5

CLAYSON FACILITY  
100 Clayson Road,  
Weston, Ontario, M9M 2G7

LONGLIFE FACILITY  
180 Ormont Drive,  
Weston, Ontario, M9L 1N7

### **3. CONTACT INFORMATION:**

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[www.gayleafoods.com](http://www.gayleafoods.com)

### **4. NPRI IDENTIFICATION NUMBER:**

- a. NPRI (Clayson facility): 11520
- b. NPRI (Guelph facility): 004423
- c. NPRI (Longlife facility): 007693

### **5. NUMBER OF FULL-TIME EMPLOYEE EQUIVALENTS:**

- a. Clayson facility: 106
- b. Guelph facility: 94
- c. Longlife facility: 149

## **6. TWO, FOUR AND SIX DIGIT NAICS CODE:**

Canadian SIC: 10 - Food Industries

Canadian SIC: 1049 - Other Dairy Prods. Inds.

American SIC: 2026 - Fluid Milk

NAICS 2 Code: 31-33 – Manufacturing

NAICS 4 Code: 3115 - Dairy Product Mfg.

NAICS 6 Code: 311515 - Dairy Product

## **7. SPATIAL COORDINATES:**

- a. Clayson facility:
  - i. Latitude: 43.72380
  - ii. Longitude: -79.52570
- b. Guelph facility:
  - i. Latitude: 43.55810
  - ii. Longitude: -80.27040
- c. Longlife facility:
  - i. Latitude: 43.76680
  - ii. Longitude: -79.53980

## **8. TOXIC SUBSTANCE:**

### **SULPHURIC ACID**

CAS Number: 7664-93-9

## **9. SUMMARY OF TRACKING AND QUANTIFICATION**

- Facility-wide used = 10,000 – 100,000kg/yr
- Facility-wide offsite Disposal = 0 – 1kg/yr

## **10. STATEMENT OF INTENT**

Gay Lea Foods is committed to the environmental protection programs and projects that aim to protect the environment, reduce pollution and safeguarding human health. Our management has made it a priority to participate in toxics reduction to protect our workers from exposure to harmful substances and to keep the environment clean for future generations. Therefore, it is our intent to reduce toxic substances used, created and released at all of our manufacturing facilities.

## **11. DESCRIPTION OF OPTIONS, ESTIMATED REDUCTIONS AND PROJECTIONS OF EFFECTIVENESS**

The goal of the toxic substance reduction plan development is to reduce the use and release of sulphuric acid in the operations of our Waste Water Treatment Plant. A secondary objective is to identify toxic reduction options that will reduce the excessive exposure of sulphuric acid to employees to protect their health by reducing the amount that is used annually.

Every stage of the manufacturing operation what can possible use, create, dispose, transform, destroy, release (to air, land, and water), dispose, or transfer offsite of sulphuric acid was assessed and identified. Each stage was then divided into one or more possible process. The amount of substance was tracked and quantified using process flow diagram and best available methods of quantification. All the options for sulphuric acid reduction was assessed and reviewed to identify areas for reduction.

No option(s) for toxic reduction is to be implemented, as option for sulphuric acid is not available at this particular time.

**12. EXPLANATION OF WHY NO OPTION IMPLEMENTATION** – No option can be identified for each of the 7 toxic reduction categories for sulphuric acid reduction. Sulphuric acid is used for effective pH control added in wastewater treatment. However, progression of emerging technologies or alternate material that can reduce the amount used, or and can be substituted for less or non-toxic effect other than sulphuric acid will be monitored.