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
   GUELPH FACILITY
   21 Speedvale Avenue, West
   Guelph, Ontario,
   N1H 1J5

3. **CONTACT INFORMATION:**
   Henry Grbac
   Director of Occupational Health, Safety, Environmental and Sustainability
   Gay Lea Foods Co-operative Ltd.
   Direct 647-277-4309
   5200 Orbitor Drive, Mississauga, ON L4W 5B4
   Email: hgrbac@gayleafoods.com
   www.gayleafoods.com

4. **NPRI IDENTIFICATION NUMBER:** 004423

5. **NUMBER OF FULL-TIME EMPLOYEE EQUIVALENTS:** 94

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:**
   Guelph facility:
   i. Latitude: 43.55810
   ii. Longitude: -80.27040

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.