

STATE OF CALIFORNIA  
 CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
 CENTRAL COAST REGION  
 81 Higuera Street, Suite 200  
 San Luis Obispo, California 93401-5427

MONITORING AND REPORTING PROGRAM NO. 01-016  
 NPDES NO. CA 000008069

For

**GROWERS ICE COMPANY**  
**ICE MANUFACTURING, COLD STORAGE, AND SHIPPING FACILITY**  
**Salinas, Monterey County**

Reporting responsibilities are specified in Sections 13225(a), 13267(b), 13383, and 13387(b) of the California Water Code. This Discharge Monitoring Program is issued in accordance with Provision C.2 of Regional Board Order No. 01-016.

**EFFLUENT MONITORING**

Representative samples of the effluent shall be collected and analyzed for the constituents and at the frequencies specified below: (Current sampling locations are shown in Attachment "D.")

Parameter	Units	Sample Type	Minimum Sampling and Analyzing Frequency
Average Daily Flow	gpd	Estimated	Monthly
Settleable Solids	ml/l	Grab	Monthly
Oil and Grease	mg/l	Grab	Monthly
Temperature	°F	Grab	Monthly
BOD <sub>5</sub>	mg/l	Grab	Monthly (April through Nov.)
Suspended Solids	mg/l	Grab	Monthly (April through Nov.)
Dissolved Oxygen	mg/l	Grab	Monthly (April through Nov.)
pH	pH	Grab	Monthly (April through Nov.)
Total Dissolved Solids	mg/l	Grab	Semi-Annually (June and Sept.)
Boron	mg/l	Grab	Semi-Annually (June and Sept.)
Chloride	mg/l	Grab	Semi-Annually (June and Sept.)
Sodium	mg/l	Grab	Semi-Annually (June and Sept.)
Sulfate	mg/l	Grab	Semi-Annually (June and Sept.)
Turbidity	NTU	Grab	Semi-Annually (June and Sept.)
Nitrate (as N)	mg/l	Grab	Semi-Annually (June and Sept.)
Total Nitrogen (as N)	mg/l	Grab	Semi-Annually (June and Sept.)
Pesticide Scan	µg/l	Grab	Once during life of permit (June 2003)
Whole Effluent Toxicity*	Pass or Fail (acute), Tu <sub>c</sub> (Chronic)	Grab	Once during life of permit (June 2003)

\* Whole effluent toxicity shall be conducted using *Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms* (EPA/600-4-91-002, 1994).

**WATER SUPPLY MONITORING**

Representative samples of the water supply shall be collected and analyzed for the constituents and at the frequency specified below:

Parameter	Units	Sample Type	Minimum Sampling and Analyzing Frequency
pH	pH	Grab	Once during life of permit (June 2005)
Temperature	°F	Grab	Once during life of permit (June 2005)
Total Dissolved Solids	mg/l	Grab	Once during life of permit (June 2005)
Boron	mg/l	Grab	Once during life of permit (June 2005)
Chloride	mg/l	Grab	Once during life of permit (June 2005)
Sodium	mg/l	Grab	Once during life of permit (June 2005)
Sulfate	mg/l	Grab	Once during life of permit (June 2005)
Nitrate (as N)	mg/l	Grab	Once during life of permit (June 2005)

**RECEIVING WATER MONITORING**

If effluent requirements are exceeded, the Regional Board may request receiving water monitoring. Samples of the water in the Salinas Reclamation Canal shall be collected 100 feet downstream and 50 feet upstream of the discharge and outside the influence of other discharges, except those also resulting from the 60-inch city storm drain. Samples shall be analyzed for the constituents and at the frequencies listed below:

Parameter	Units	Sample Type	Minimum Sampling and Analyzing Frequency
Oil and Grease	mg/l	Grab	On Request
pH	mg/l	Grab	On Request
Temperature	°F	Grab	On Request
Turbidity	mg/l	Grab	On Request
Dissolved Oxygen	mg/l	Grab	On Request
Total Dissolved Solids	mg/l	Grab	On Request
Chloride	mg/l	Grab	On Request
Nitrate (as N)	mg/l	Grab	On Request
Total Nitrogen (as N)	mg/l	Grab	On Request

**REPORTING**

Monitoring reports are required quarterly, by the 20<sup>th</sup> of January, April, July, and October, and shall contain all data collected or calculated over the previous three months. An annual report is required by the 20<sup>th</sup> of January, along with the 4<sup>th</sup> quarter monitoring report. The annual report shall include all data collected or calculated over the previous year and a summary of the year's activities and violations.

**SUPPLEMENTAL MONITORING FOR DIOXIN CONGENERS**

The Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays and Estuaries of California, requires that a minor industrial Discharger monitor its effluent for the presence of 17 dioxin congeners once during dry weather and once during wet weather.

Representative peak loading samples of effluent shall be collected and analyzed for the following priority pollutants: (Current sampling locations are shown in Attachment "D.")

DIOXIN CONGENER	Toxic Equivalency Factor*	Minimum Sampling and Analyzing Frequency
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1	July 2001 and November 2001**
1,2,3,7,8-PentaCDD	1.0	July 2001 and November 2001**
1,2,3,4,7,8-HexaCDD	0.1	July 2001 and November 2001**
1,2,3,6,7,8-HexaCDD	0.1	July 2001 and November 2001**
1,2,3,7,8,9-HexaCDD	0.1	July 2001 and November 2001**
1,2,3,4,6,7,8-HeptaCDD	0.01	July 2001 and November 2001**
OctaCDD	0.0001	July 2001 and November 2001**
2,3,7,8-Tetrachlorodibenzo-p-furan	0.1	July 2001 and November 2001**
1,2,3,7,8-PentaCDF	0.05	July 2001 and November 2001**
2,3,4,7,8-PentaCDF	0.5	July 2001 and November 2001**
1,2,3,4,7,8-HexaCDF	0.1	July 2001 and November 2001**
1,2,3,6,7,8-HexaCDF	0.1	July 2001 and November 2001**
1,2,3,7,8,9-HexaCDF	0.1	July 2001 and November 2001**
2,3,4,6,7,8-HexaCDF	0.1	July 2001 and November 2001**
1,2,3,4,6,7,8-HeptaCDF	0.01	July 2001 and November 2001**
1,2,3,4,7,8,9-HeptaCDF	0.01	July 2001 and November 2001**
OctaCDF	0.0001	July 2001 and November 2001**

\* The Toxic Equivalency Factor (TEF) expresses the relative toxicity's of the congeners compared to 2,3,7,8-TCDD.

\*\* The second sampling event listed as November 2001 shall be adjusted to occur during wet weather.

### REPORTING FOR DIOXIN CONGENER MONITORING

The Discharger is required to report for each congener the analytical results of the effluent monitoring, including the quantifiable limit, the minimum detection limit (MDL), and the measured or estimated concentration. In addition, the Discharger is required to multiply each measured or estimated congener by its respective TEF (presented above) and report the sum of these values. This dioxin congener monitoring shall be submitted with the appropriate monitoring report on the 20<sup>th</sup> of January 2002.

### SUPPLEMENTAL MONITORING FOR PRIORITY TOXIC POLLUTANTS

The Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays and Estuaries of California, requires that a Discharger submit monitoring data to determine if an effluent limitation for a California Toxics Rule criterion is needed.

Representative peak loading samples of effluent shall be collected and analyzed for the following priority pollutants: (Current sampling locations are shown in Attachment "D.")

VOLATILE SUBSTANCES	Acceptable Analytical Methods*	Respective Minimum Level (ML)** µg/l	Sample Date
1,1 Dichloroethane	GC, GCMS	0.5, 1	June 2002
1,1 Dichloroethene	GC	0.5	June 2002
1,1,1 Trichloroethane	GC, GCMS	0.5, 2	June 2002

VOLATILE SUBSTANCES	Acceptable Analytical Methods*	Respective Minimum Level (ML)** µg/l	Sample Date
1,1,2 Trichloroethane	GC	0.5	June 2002
1,1,2,2 Tetrachloroethane	GC	0.5	June 2002
1,2 Dichlorobenzene (volatile)	GC, GCMS	0.5, 2	June 2002
1,2 Dichloroethane	GC	0.5	June 2002
1,2 Dichloropropane	GC	0.5	June 2002
1,3 Dichlorobenzene (volatile)	GC, GCMS	0.5, 2	June 2002
1,3 Dichloropropene (volatile)	GC, GCMS	0.5, 2	June 2002
1,4 Dichlorobenzene (volatile)	GC, GCMS	0.5, 2	June 2002
Acrolein	GC, GCMS	2, 5	June 2002
Acrylonitrile	GC, GCMS	2, 2	June 2002
Benzene	GC	0.5	June 2002
Bromoform	GC, GCMS	0.5, 2	June 2002
Bromomethane	GC, GCMS	1, 2	June 2002
Carbon Tetrachloride	GC	0.5	June 2002
Chlorobenzene	GC, GCMS	0.5, 2	June 2002
Chlorodibromo-methane	GC	0.5	June 2002
Chloroethane	GC, GCMS	0.5, 2	June 2002
Chloroform	GC, GCMS	0.5, 2	June 2002
Chloromethane	GC, GCMS	0.5, 2	June 2002
Dichlorobromo-methane	GC	0.5	June 2002
Dichloromethane	GC, GCMS	0.5, 2	June 2002
Ethylbenzene	GC, GCMS	0.5, 2	June 2002
Tetrachloroethene	GC	0.5	June 2002
Toluene	GC, GCMS	0.5, 2	June 2002
Trans-1,2 Dichloroethylene	GC, GCMS	0.5, 1	June 2002
Trichloroethene	GC, GCMS	0.5, 2	June 2002
Vinyl Chloride	GC, GCMS	0.5, 2	June 2002

SEMI-VOLATILE SUBSTANCES	Acceptable Analytical Methods*	Respective Minimum Level (ML)** µg/l	Sample Date
1,2 Benzanthracene	GCMS	5	June 2002
1,2 Dichlorobenzene (semi-volatile)	GC, GCMS	2, 2	June 2002
1,2 Diphenylhydrazine	GCMS	1	June 2002
1,2,4 Trichlorobenzene	GC, GCMS	1, 5	June 2002
1,3 Dichlorobenzene (semi-volatile)	GC, GCMS	2, 1	June 2002
1,4 Dichlorobenzene (semi-volatile)	GC, GCMS	2, 1	June 2002
2 Chlorophenol	GC, GCMS	2, 5	June 2002
2,4 Dichlorophenol	GC, GCMS	1, 5	June 2002
2,4 Dimethylphenol	GC, GCMS	1, 2	June 2002
2,4 Dinitrophenol	GC, GCMS	5, 5	June 2002
2,4 Dinitrotoluene	GCMS	5	June 2002
2,4,6 Trichlorolphenol	GC, GCMS	10, 10	June 2002
2,6 Dinitrotoluene	GCMS	5	June 2002
2-Nitrophenol	GCMS	10	June 2002
2-Chloroethyl vinyl ether	GC, GCMS	1, 1	June 2002
2-Chloronaphthalene	GCMS	10	June 2002
3,3' Dichlorobenzidine	GCMS	5	June 2002
3,4 Benzofluoranthene	GCMS, LC	10, 10	June 2002
4 Chloro-3-methylphenol	GC, GCMS	5, 1	June 2002
4,6 Dinitro-2-methylphenol	GC, GCMS	10, 5	June 2002

SEMI-VOLATILE SUBSTANCES	Acceptable Analytical Methods*	Respective Minimum Level (ML)** µg/l	Sample Date
4-Nitrophenol	GC, GCMS	5, 10	June 2002
4-Bromophenyl phenyl ether	GC, GCMS	10, 5	June 2002
4-Chlorophenyl phenyl ether	GCMS	5	June 2002
Acenaphthene	GC, GCMS, LC	1, 1, 0.5	June 2002
Acenaphthylene	GCMS, LC	10, 0.2	June 2002
Anthracene	GCMS, LC	10, 2	June 2002
Benzidine	GCMS	5	June 2002
Benzo(a) pyrene(3,4 Benzopyrene)	LC	2	June 2002
Benzo(g,h,i)perylene	GCMS, LC	5, 0.1	June 2002
Benzo(k)fluoranthene	LC	2	June 2002
bis(2-(1-Chloroethoxy) methane	GCMS	5	June 2002
bis(2-chloroethyl) ether	GCMS	1	June 2002
bis(2-chloroisopropyl) ether	GC, GCMS	10, 2	June 2002
Bis(2-Ethylhexyl) phthalate	GCMS	5	June 2002
Butyl benzyl phthalate	GC, GCMS	10, 10	June 2002
Chrysene	LC	5	June 2002
di-n-Butyl phthalate	GCMS	10	June 2002
di-n-Octyl phthalate	GCMS	10	June 2002
Dibenzo(a,h)-anthracene	LC	0.1	June 2002
Diethyl phthalate	GC, GCMS	10, 2	June 2002
Dimethyl phthalate	GC, GCMS	10, 2	June 2002
Fluoranthene	GC, GCMS, LC	10, 1, 0.05	June 2002
Fluorene	GCMS, LC	10, 0.1	June 2002
Hexachloro-cyclopentadiene	GC, GCMS	5, 5	June 2002
Hexachlorobenzene	GCMS	1	June 2002
Hexachlorobutadiene	GCMS	1	June 2002
Hexachloroethane	GCMS	1	June 2002
Indeno(1,2,3,cd)-pyrene	LC	0.05	June 2002
Isophorone	GCMS	1	June 2002
N-Nitroso diphenyl amine	GCMS	1	June 2002
N-Nitroso-dimethyl amine	GCMS	5	June 2002
N-Nitroso -di n-propyl amine	GCMS	5	June 2002
Naphthalene	GC, GCMS, LC	10, 1, 0.2	June 2002
Nitrobenzene	GC, GCMS	10, 1	June 2002
Pentachlorophenol	GC	1	June 2002
Phenanthrene	GCMS, LC	5, 0.05	June 2002
Phenol	GC, GCMS, COLOR	1, 1, 50	June 2002
Pyrene	GCMS, LC	10, 0.05	June 2002

INORGANICS	Acceptable Analytical Methods*	Respective Minimum Level (ML)** µg/l	Sample Date
Antimony	FAA, GFAA, ICPMS, SPGFAA, HYDRIDE	10, 5, 0.5, 5, 0.5	June 2002
Arsenic	GFAA, ICP, ICPMS, SPGFAA, COLOR	2, 10, 2, 2, 1, 20	June 2002
Beryllium	FAA, GFAA, ICP, ICPMS, SPGFAA, DCP	20, 0.5, 2, 0.5, 1, 1000	June 2002
Cadmium	GFAA, ICPMS, SPGFAA	0.5, 0.25, 0.5	June 2002
Chromium (total)	FAA, GFAA, ICP, ICPMS, SPGFAA	50, 2, 10, 0.5, 1	June 2002
Chromium VI	FAA, COLOR	5, 10	June 2002
Copper	GFAA, ICPMS, SPGFAA	5, 0.5, 2	June 2002
Cyanide	COLOR	5	June 2002
Lead	ICPMS, SPGFAA	0.5, 2	June 2002

INORGANICS	Acceptable Analytical Methods*	Respective Minimum Level (ML)** $\mu\text{g/l}$	Sample Date
Mercury	CVAA	0.2	June 2002
Nickel	FAA, GFAA, ICP, ICPMS, SPGFAA	50, 5, 20, 1, 5	June 2002
Selenium	GFAA, ICPMS, SPGFAA, HYDRIDE	5, 2, 5, 1	June 2002
Silver	GFAA, ICPMS, SPGFAA	1, 0.25, 2	June 2002
Thallium	ICPMS	1	June 2002
Zinc	FAA, ICP, ICPMS, SPGFAA	20, 20, 1, 10	June 2002

PESTICIDES - PCBs	Acceptable Analytical Methods*	Respective Minimum Level (ML) $\mu\text{g/l}$	Sample Date
4,4'-DDD	GC	0.05	June 2002
4,4'-DDE	GC	0.05	June 2002
4,4'-DDT	GC	0.01	June 2002
a-Endosulfan	GC	0.02	June 2002
a-Hexachloro-cyclohexane	GC	0.01	June 2002
Aldrin	GC	0.005	June 2002
b-Endosulfan	GC	0.01	June 2002
b-Hexachloro-cyclohexane	GC	0.005	June 2002
Chlordane	GC	0.1	June 2002
Dieldrin	GC	0.1	June 2002
Endosulfan Sulfate	GC	0.005	June 2002
Endrin	GC	0.01	June 2002
Endrin Aldehyde	GC	0.01	June 2002
Heptachlor	GC	0.01	June 2002
Heptachlor Epoxide	GC	0.01	June 2002
Lindane (g-Hexachloro-cyclohexane)	GC	0.02	June 2002
PCB 1016	GC	0.5	June 2002
PCB 1221	GC	0.5	June 2002
PCB 1232	GC	0.5	June 2002
PCB 1242	GC	0.5	June 2002
PCB 1248	GC	0.5	June 2002
PCB 1254	GC	0.5	June 2002
PCB 1260	GC	0.5	June 2002
Toxaphene	GC	0.5	June 2002

\* For each constituent the Discharger may select one of the above analytical methods, which are described in 40 CFR 136.3.

#### ANALYTICAL METHODOLOGY

GC - Gas Chromatography  
 GCMS - Gas Chromatography/Mass Spectrometry  
 LC - High Pressure Liquid Chromatography  
 FAA - Flame Atomic Absorption  
 GFAA - Graphite Furnace Atomic Absorption  
 Hydride - Gaseous Hydride Atomic Absorption  
 CVAA - Cold Vapor Atomic Absorption  
 ICP - Inductively Coupled Plasma  
 ICPMS - Inductively Coupled Plasma/Mass Spectrometry  
 SPGFAA - Stabilized Platform Graphite Furnace Atomic Absorption  
 DCP - Direct Current Plasma  
 COLOR - Colorimetric

\*\* The ML value represents the lowest quantifiable concentration in a sample based on the proper application of all method-based analytical procedures and the absence of any matrix interference. Dischargers are to instruct laboratories to establish calibration standards so that the ML value (or its equivalent) is the lowest calibration standard. At no time is the Discharger to use analytical data derived from extrapolation beyond the lowest point of the calibration curve.

**REPORTING OF SUPPLEMENTAL MONITORING FOR PRIORITY TOXIC POLLUTANTS**

The Discharger is required to report for each priority toxic pollutant the analytical results of the effluent monitoring, including the applicable minimum level (presented above), the minimum detection limit (MDL), and the results of the analytical determination using the following reporting protocols:

1. Sample results greater than or equal to the reported ML shall be reported as measured by the laboratory (i.e., the measured chemical concentration in the sample).
2. Sample results less than the reported ML, but greater than or equal to the laboratory's MDL, shall be reported as "Detected, but not Quantified," or DNQ. The estimated chemical concentration of the sample shall also be reported.

For the purposes of data collection, the laboratory shall write the estimated chemical concentration next to DNQ as well as the words "Estimated Concentration" (may be shortened to "Est. Conc."). The laboratory may, if such information is available, include the numerical estimates of the data quality for the reported result. Numerical estimates of data quality may be percent accuracy ( $\pm$  a percentage of the reported value), numerical ranges (low to high), or any other means considered appropriate by the laboratory.

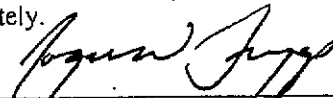
3. Sample results less than the laboratory's MDL shall be reported as "Not Detected," or ND.

This monitoring for priority toxic pollutants shall be submitted with the appropriate monitoring report on the 20<sup>th</sup> of July 2002.

**IMPLEMENTATION**

This monitoring and reporting program shall be implemented immediately.

ORDERED BY

  
Executive Officer

4-03-01

Date