

## 2004 Industrial Sewage Monthly Summary - Southwestern Region

### Bayer Inc.

1265 Vidal Street South  
Sarnia

**Sector:** Organic Chemicals Manufacturing  
**Ministry Office:** Sarnia

Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
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### METHYL CHLORIDE

#### Clean Water Regulations

May 2004	2.1	kg/d	24hr	1 exceedance	3		Operational Process Modification	Assessment Complete - No Further Action Required
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**Total Clean Water Regulations = 1 exceedance**

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## 2004 Industrial Sewage Monthly Summary - Southwestern Region

### Bruce Power Inc. (BNPD-Bulk Steam Plant)

Bruce Nuclear Power Development  
Kincardine

**Sector:** Electric Power Generation  
**Ministry Office:** Owen Sound

Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
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### HIGH PH EFFLUENT

#### Clean Water Regulations

June 2004	9	pH	any	1 exceedance	11		Operational Process Modification	Assessment Complete - No Further Action Required
September 2004	9.5	pH	rolling avg	1 exceedance	10		Operational Process Modification	Assessment Complete - No Further Action Required

**Total Clean Water Regulations = 2 exceedances**

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## 2004 Industrial Sewage Monthly Summary - Southwestern Region

### Bruce Power Inc. (Bruce A)

Bruce Nuclear Power Development  
Kincardine

**Sector:** Electric Power Generation  
**Ministry Office:** Owen Sound

Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
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### BORON

#### C of A Non-Compliance

December 2004	25	mg/L	any	1 exceedance	30.3		Operational Process Modification	Assessment Complete - No Further Action Required
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**Total C of A Non-Compliance = 1 exceedance**

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## 2004 Industrial Sewage Monthly Summary - Southwestern Region

### Bruce Power Inc. (Bruce B)

Bruce Nuclear Power Development  
Kincardine

**Sector:** Electric Power Generation  
**Ministry Office:** Owen Sound

Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
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### ACUTE LETHALITY - DAPHNIA

#### Clean Water Regulations

June 2004	Pass	acute toxicity	any	1 exceedance	Fail		Operational Process Modification	Assessment Complete - No Further Action Required
September 2004	Pass	acute toxicity	any	1 exceedance	Fail		Operational Process Modification	Assessment Complete - No Further Action Required
October 2004	Pass	acute toxicity	any	1 exceedance	Fail		Conducting Study	Assessment underway

**Total Clean Water Regulations = 3 exceedances**

### TOTAL CHLORINE RESIDUAL

#### C of A Non-Compliance

September 2004	10	ppb	/hr	3 exceedances	12.7	12.7	Training/Procedure Change	Assessment Complete - No Further Action Required
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**Total C of A Non-Compliance = 3 exceedances**

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## 2004 Industrial Sewage Monthly Summary - Southwestern Region

### Bruce Power Inc. (Bruce Nuclear - Sewage Treatment Plant)

Bruce Nuclear - Sewage Treatment Plant  
Kincardine

**Sector:** Electric Power Generation  
**Ministry Office:** Owen Sound

Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
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### ESCHERICHIA COLI

#### C of A Non-Compliance

April 27, 2004 - April 28, 2004	200	CT/100 mL	any	1 exceedance	1100		Training/Procedure Change	Assessment Complete - No Further Action Required
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**Total C of A Non-Compliance = 1 exceedance**

### TOTAL SUSPENDED SOLIDS

#### Clean Water Regulations

July 2004	44	mg/L	/d	1 exceedance	55.4		Equipment Modified, Repaired, Replaced or Re- calibrated	Assessment Complete - No Further Action Required
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**Total Clean Water Regulations = 1 exceedance**

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## 2004 Industrial Sewage Monthly Summary - Southwestern Region

**Cabot Canada Ltd.**

800 Tashmoo Avenue  
Sarnia

**Sector:** Inorganic Chemicals  
**Ministry Office:** Sarnia

Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
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### DISSOLVED ORGANIC CARBON

#### Clean Water Regulations

April 2004	10	kg/d	mon avg	1 exceedance	15.58		None Required	Assessment Complete - No Further Action Required
April 2004	29	kg/d	/d	1 exceedance	33		None Required	Assessment Complete - No Further Action Required
November 2004	10	kg/d	mon avg	1 exceedance	23.46		Additional monitoring underway	Assessment Complete - No Further Action Required
November 17, 2004 - November 18, 2004	29	kg/d	/d	1 exceedance	55		Additional monitoring underway	Assessment Complete - Incident Resolved

**Total Clean Water Regulations = 4 exceedances**

### HIGH PH EFFLUENT

#### Clean Water Regulations

May 22, 2004 - May 23, 2004	48	kg/d	/d	2 exceedances	50	96	None Required	Assessment Complete - No Further Action Required
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**Total Clean Water Regulations = 2 exceedances**

### TOTAL SUSPENDED SOLIDS

#### Clean Water Regulations

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## 2004 Industrial Sewage Monthly Summary - Southwestern Region

**Cabot Canada Ltd.**

800 Tashmoo Avenue  
Sarnia

**Sector:** Inorganic Chemicals  
**Ministry Office:** Sarnia

Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
February 2004	48	kg/d	/d	1 exceedance	107		Training/Procedure Change	Assessment Complete - No Further Action Required
November 2004	48	kg/d	/d	1 exceedance	55		Training/Procedure Change	Assessment Complete - No Further Action Required
December 7, 2004 - December 8, 2004	48	kg/d	/d	1 exceedance	57		None Required	Assessment Complete - No Further Action Required

**Total Clean Water Regulations = 3 exceedances**

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## 2004 Industrial Sewage Monthly Summary - Southwestern Region

### Chinook Group Limited Partnership

224 Holt Line West  
St. Clair

**Sector:** Organic Chemicals Manufacturing  
**Ministry Office:** Sarnia

Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
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### ACUTE LETHALITY - TROUT

#### Clean Water Regulations

October 2004	Pass	acute toxicity	any	1 exceedance	Fail		New/Modified Sampling Program Underway	Assessment Complete - No Further Action Required
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**Total Clean Water Regulations = 1 exceedance**

### AMMONIA

#### Clean Water Regulations

October 2004	1.46	kg/d	/d	1 exceedance	4.19		New/Modified Sampling Program Underway	Provincial Officer's Order issued
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**Total Clean Water Regulations = 1 exceedance**

### DISSOLVED ORGANIC CARBON

#### Clean Water Regulations

April 1, 2004 - April 30, 2004	3.2	kg/d	mon avg	1 exceedance	4.653		Additional monitoring underway	Assessment underway
May 1, 2004 - June 30, 2004	3.2	kg/d	mon avg	2 exceedances	3.73	3.85	Additional monitoring underway	Assessment underway
July 1, 2004 - July 31, 2004	3.2	kg/d	mon avg	1 exceedance	3.38		Additional monitoring underway	Assessment underway

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## 2004 Industrial Sewage Monthly Summary - Southwestern Region

### Chinook Group Limited Partnership

224 Holt Line West  
St. Clair

**Sector:** Organic Chemicals Manufacturing  
**Ministry Office:** Sarnia

Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
October 1, 2004 - October 31, 2004	3.2	kg/d	mon avg	1 exceedance	4		Other	Assessment underway

**Total Clean Water Regulations = 5 exceedances**

### TOTAL KJELDAHL NITROGEN

#### Clean Water Regulations

December 1, 2004 - December 31, 2004	1.1	kg/d	mon avg	1 exceedance	1.14		Other	Assessment underway
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**Total Clean Water Regulations = 1 exceedance**

### TOTAL SUSPENDED SOLIDS

#### Clean Water Regulations

March 1, 2004 - March 31, 2004	2.4	kg/d	mon avg	1 exceedance	2.969		Other	Assessment underway
November 1, 2004 - December 31, 2004	2.4	kg/d	mon avg	2 exceedances	2.85	3.04	Other	Assessment underway

**Total Clean Water Regulations = 3 exceedances**

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## 2004 Industrial Sewage Monthly Summary - Southwestern Region

### Cold Water Fisheries Inc.

12297 Highway 12, Coldwater  
Oro-Medonte

**Sector:** Miscellaneous  
**Ministry Office:** Barrie

Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
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### PHOSPHORUS

#### C of A Non-Compliance

March 2004	0.1	mg/L	/mon	1 exceedance	0.105		Operational Process Modification	Assessment Complete - No Further Action Required
April 2004	0.1	mg/L	/mon	1 exceedance	0.162		Operational Process Modification	Assessment Complete - No Further Action Required
July 2004	0.1	mg/L	/mon	1 exceedance	0.15		Operational Process Modification	Assessment Complete - No Further Action Required
August 2004	0.1	mg/L	/mon	1 exceedance	0.15		Operational Process Modification	Assessment Complete - No Further Action Required

**Total C of A Non-Compliance = 4 exceedances**

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## 2004 Industrial Sewage Monthly Summary - Southwestern Region

**Dow Chemical Canada Inc.**

1425 Vidal St. South  
Sarnia

**Sector:** Organic Chemicals Manufacturing  
**Ministry Office:** Sarnia

Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
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### 1,1,2-TRICHLOROETHANE

#### Clean Water Regulations

March 2004	0.0065	kg/d	mon avg	1 exceedance	0.007		Conducting Study	Voluntary Abatement Program Underway
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**Total Clean Water Regulations = 1 exceedance**

### CARBON TETRACHLORIDE

#### C of A Non-Compliance

August 2004	5	µg/L	/d	1 exceedance	6		Ceased Operations	Assessment underway
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**Total C of A Non-Compliance = 1 exceedance**

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## 2004 Industrial Sewage Monthly Summary - Southwestern Region

### East Huron Poultry Ltd.

147 John Street, Dublin  
West Perth

**Sector:** Miscellaneous  
**Ministry Office:** London

Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
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### HIGH PH EFFLUENT

#### C of A Non-Compliance

December 4, 2004 - December 6, 2004	8.5	pH	/d	3 exceedances	8.6	8.8	Ceased Operations, Operational Process Modification	Assessment underway
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**Total C of A Non-Compliance = 3 exceedances**

### TOTAL SUSPENDED SOLIDS

#### C of A Non-Compliance

December 1, 2004 - December 9, 2004	10	mg/L	rolling avg	2 exceedances	11	15	Ceased Operations, Operational Process Modification	Assessment underway
December 5, 2004 - December 7, 2004	15	mg/L	rolling avg	3 exceedances	15.5	16.8	Ceased Operations, Operational Process Modification	Assessment underway

**Total C of A Non-Compliance = 5 exceedances**

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## 2004 Industrial Sewage Monthly Summary - Southwestern Region

**Ford Motor Company of Canada  
Ltd. (Essex Manufacturing)**

1 Quality Way  
Windsor

**Sector:** Miscellaneous  
**Ministry Office:** Windsor

Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
<b>TOTAL SUSPENDED SOLIDS</b>								
<b>C of A Non-Compliance</b>								
February 2004	15	mg/L	/wk	1 exceedance	1		Conducting Study	Assessment Complete - Incident Resolved
May 2004	15	mg/L	mon avg	1 exceedance	17		Conducting Study	Assessment Complete - Incident Resolved

**Total C of A Non-Compliance = 2 exceedances**

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## 2004 Industrial Sewage Monthly Summary - Southwestern Region

**Ford Motor Company of Canada,  
Limited - St. Thomas Assembly**

11884 Sunset Road  
Southwold

**Sector:** Miscellaneous  
**Ministry Office:** London

Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
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### BIOCHEMICAL OXYGEN DEMAND

#### C of A Non-Compliance

January 2004	10	mg/L	/d	2 exceedances	24	26	Action Plan Submitted - Implementing Improvements, Operational Process Modification	Assessment Complete - No Further Action Required
January 2004	3	mg/L	mon avg	1 exceedance	4.9		Action Plan Submitted - Implementing Improvements, Operational Process Modification	Assessment Complete - No Further Action Required
January 2004	10	mg/L	/d	2 exceedances	24	26	Operational Process Modification	Assessment Complete - No Further Action Required
January 2004	3	mg/L	mon avg	1 exceedance	4.9		Operational Process Modification	Assessment Complete - No Further Action Required

**Total C of A Non-Compliance = 6 exceedances**

### PHENOL

#### C of A Non-Compliance

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## 2004 Industrial Sewage Monthly Summary - Southwestern Region

**Ford Motor Company of Canada,  
Limited - St. Thomas Assembly**

11884 Sunset Road  
Southwold

**Sector:** Miscellaneous  
**Ministry Office:** London

Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
January 2004	0.005	mg/L	mon avg	1 exceedance	55.5		Action Plan Submitted - Implementing Improvements, Operational Process Modification	Assessment Complete - No Further Action Required

**Total C of A Non-Compliance = 1 exceedance**

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## 2004 Industrial Sewage Monthly Summary - Southwestern Region

### Gay Lea Foods Co-Operative Limited

21 Clinton Street North  
South Bruce

**Sector:** Miscellaneous  
**Ministry Office:** Owen Sound

Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
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### PHOSPHORUS

#### C of A Non-Compliance

July 1, 2004 - July 30, 2004	0.5	mg/L	mon avg	1 exceedance	0.58		Operational Process Modification	Voluntary Abatement Program Underway
July 2004	2	mg/L	/d	1 exceedance	2.07		Operational Process Modification	Voluntary Abatement Program Underway

**Total C of A Non-Compliance = 2 exceedances**

### TOTAL SUSPENDED SOLIDS

#### C of A Non-Compliance

January 2004	30	mg/L	/d	1 exceedance	46		Operational Process Modification	Voluntary Abatement Program Underway
April 1, 2004 - April 30, 2004	10	mg/L	mon avg	1 exceedance	11.25		Operational Process Modification	Voluntary Abatement Program Underway

**Total C of A Non-Compliance = 2 exceedances**

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## 2004 Industrial Sewage Monthly Summary - Southwestern Region

### Imperial Oil Limited (Organic Chemical)

1 Esso Chemical Drive  
Sarnia

**Sector:** Organic Chemicals Manufacturing  
**Ministry Office:** Sarnia

Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
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### DISSOLVED ORGANIC CARBON

#### Clean Water Regulations

September 2004	117	kg/d	24hr	2 exceedances	129	260	Replaced or Re-calibrated	Assessment Complete - Incident Resolved Prosecution - Conviction Case Concluded
February 1, 2004 - February 29, 2004	40	kg/d	mon avg	2 exceedances	67.7	85.6	Replaced or Re-calibrated	Assessment Complete - Incident Resolved Prosecution - Conviction Case Concluded

**Total Clean Water Regulations = 4 exceedances**

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## 2004 Industrial Sewage Monthly Summary - Southwestern Region

### Imperial Oil Limited (Refinery)

602 Christina Street South  
Sarnia

**Sector:** Petroleum Refineries  
**Ministry Office:** Sarnia

Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
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### VOLATILE SUSPENDED SOLIDS

#### Clean Water Regulations

January 2004	1354	kg/d	/d	1 exceedance	1595		Conducting Study	Voluntary Abatement Program Underway
May 2004	1364	kg	/d	1 exceedance	4484		Conducting Study	Assessment underway

**Total Clean Water Regulations = 2 exceedances**

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## 2004 Industrial Sewage Monthly Summary - Southwestern Region

**J.M. Schneider Inc. (St. Marys)**

1865 Perth County Road 139  
St. Marys

**Sector:** Miscellaneous  
**Ministry Office:** London

Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
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### AMMONIA NITRATE

#### C of A Non-Compliance

January 2004	5	mg/L	mon avg	1 exceedance	6.2		Action plan submitted, Equipment Modified, Repaired, Replaced or Re-calibrated, Operational Process Modification	Assessment underway, Provincial Officer's Order issued
January 21, 2004 - March 12, 2004	7.5	mg/L	/d	13 exceedances	7.66	14.4	Action plan submitted, Equipment Modified, Repaired, Replaced or Re-calibrated, Operational Process Modification	Assessment underway, Provincial Officer's Order issued

**Total C of A Non-Compliance = 14 exceedances**

### BIOCHEMICAL OXYGEN DEMAND

#### C of A Non-Compliance

January 31, 2004 - March 31, 2004	15	mg/L	mon avg	3 exceedances	15.25	28.3	Action plan submitted, Equipment Modified, Repaired, Replaced or Re-calibrated, Operational Process Modification	Assessment underway, Provincial Officer's Order issued
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## 2004 Industrial Sewage Monthly Summary - Southwestern Region

### J.M. Schneider Inc. (St. Marys)

1865 Perth County Road 139  
St. Marys

**Sector:** Miscellaneous  
**Ministry Office:** London

Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
January 27, 2004 - March 9, 2004	25	mg/L	/d	4 exceedances	26	41	Action plan submitted, Equipment Modified, Repaired, Replaced or Re- calibrated, Operational Process Modification	Assessment underway, Provincial Officer's Order issued

**Total C of A Non-Compliance = 7 exceedances**

### PHOSPHORUS

#### C of A Non-Compliance

January 2004	1	mg/L	mon avg	1 exceedance	1.08		Action plan submitted, Equipment Modified, Repaired, Replaced or Re- calibrated, Operational Process Modification	Assessment underway, Provincial Officer's Order issued
January 2004	1.5	mg/L	/d	1 exceedance	1.7		Action plan submitted, Equipment Modified, Repaired, Replaced or Re- calibrated, Operational Process Modification	Assessment underway, Provincial Officer's Order issued

**Total C of A Non-Compliance = 2 exceedances**

### TOTAL SUSPENDED SOLIDS

#### C of A Non-Compliance

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## 2004 Industrial Sewage Monthly Summary - Southwestern Region

### J.M. Schneider Inc. (St. Marys)

1865 Perth County Road 139  
St. Marys

**Sector:** Miscellaneous  
**Ministry Office:** London

Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
January 31, 2004 - March 31, 2004	15	mg/L	mon avg	3 exceedances	18.6	41	Action plan submitted, Equipment Modified, Repaired, Replaced or Re- calibrated, Operational Process Modification	Assessment underway, Provincial Officer's Order issued
January 27, 2004 - March 15, 2004	25	mg/L	/d	29 exceedances	27	101	Action plan submitted, Equipment Modified, Repaired, Replaced or Re- calibrated, Operational Process Modification	Assessment underway, Provincial Officer's Order issued

**Total C of A Non-Compliance = 32 exceedances**

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## 2004 Industrial Sewage Monthly Summary - Southwestern Region

### Lanxess Inc.

1265 Vidal Street South  
Sarnia

**Sector:** Organic Chemicals Manufacturing  
**Ministry Office:** Sarnia

Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
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### TOTAL SUSPENDED SOLIDS

#### Clean Water Regulations

October 2004	1639	kg/d	24hr	1 exceedance	1947		Operational Process Modification	Assessment Complete- Incident Resolved
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**Total Clean Water Regulations = 1 exceedance**

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## 2004 Industrial Sewage Monthly Summary - Southwestern Region

### NOVA Chemicals Corporation

285 Albert Street  
St. Clair

**Sector:** Organic Chemicals Manufacturing  
**Ministry Office:** Sarnia

Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
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### TOTAL SUSPENDED SOLIDS

#### Clean Water Regulations

December 2004	1300	kg/d	24h avg	1 exceedance	1419		None	Assessment Complete - No Further Action Required
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**Total Clean Water Regulations = 1 exceedance**

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## 2004 Industrial Sewage Monthly Summary - Southwestern Region

### Ontario Power Generation Inc. - Lambton

1886 St. Clair Parkway  
St. Clair

**Sector:** Electric Power Generation  
**Ministry Office:** Sarnia

Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
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#### ALUMINUM

##### C of A Non-Compliance

March 2004	0.8	mg/L	/mon	1 exceedance	0.89		Ceased Operations	Assessment Complete - No Further Action Required
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**Total C of A Non-Compliance = 1 exceedance**

#### HIGH PH EFFLUENT

##### C of A Non-Compliance

March 2004	9.5	pH	any	2 exceedances	10.35	11.09	Conducting Study	Provincial Officer's Order issued
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**Total C of A Non-Compliance = 2 exceedances**

#### IRON

##### Clean Water Regulations

March 2004	2.5	mg/L	/wk	1 exceedance	2.6		Equipment Modified, Repaired, Replaced or Re-calibrated	Assessment Complete - No Further Action Required
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**Total Clean Water Regulations = 1 exceedance**

#### LOW PH EFFLUENT

##### Clean Water Regulations

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## 2004 Industrial Sewage Monthly Summary - Southwestern Region

### Ontario Power Generation Inc. - Lambton

1886 St. Clair Parkway  
St. Clair

**Sector:** Electric Power Generation  
**Ministry Office:** Sarnia

Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
July 2004	6	pH	/sec	1 exceedance	4.85		Ceased Operations	Assessment Complete - No Further Action Required

**Total Clean Water Regulations = 1 exceedance**

### TOTAL CHLORINE RESIDUAL

#### C of A Non-Compliance

June 2004	0.01	mg/L	/d	1 exceedance	0.057		Conducting Study	Assessment Complete - No Further Action Required
July 2004	0.01	ppb	any	1 exceedance	0.021		Ceased Operations, Conducting Study	Assessment Complete - No Further Action Required

**Total C of A Non-Compliance = 2 exceedances**

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## 2004 Industrial Sewage Monthly Summary - Southwestern Region

### Royal Polymers Limited

#1 Esso Chemical Drive  
Sarnia

**Sector:** Organic Chemicals Manufacturing  
**Ministry Office:** Sarnia

Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
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### ALUMINUM

#### C of A Non-Compliance

July 2004	6.6	kg/d	/d	1 exceedance	7.13		Conducting Study	Assessment Complete - No Further Action Required
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**Total C of A Non-Compliance = 1 exceedance**

### TOTAL KJELDAHL NITROGEN

#### C of A Non-Compliance

July 2004	25	kg/d	/d	1 exceedance	28.33		Conducting Study	Assessment Complete - No Further Action Required
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**Total C of A Non-Compliance = 1 exceedance**

### TOTAL SUSPENDED SOLIDS

#### C of A Non-Compliance

July 2004	75	kg/d	/d	1 exceedance	82.6		Training/Procedure Change	Assessment Complete - No Further Action Required
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**Total C of A Non-Compliance = 1 exceedance**

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## 2004 Industrial Sewage Monthly Summary - Southwestern Region

### Shell Canada Products Limited

St. Clair

Sector: Petroleum Refineries

Ministry Office: Sarnia

Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
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### PHENOL

#### C of A Non-Compliance

May 2004	0.32	kg/d	/d	1 exceedance	0.69		Operational Process Modification	Assessment Complete - Incident Resolved
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**Total C of A Non-Compliance = 1 exceedance**

### VOLATILE SUSPENDED SOLIDS

#### C of A Non-Compliance

May 2004	15	mg/L	/d	1 exceedance	31		Operational Process Modification	Assessment Complete - Incident Resolved
May 22, 2004 - May 24, 2004	240	kg/d	/d	3 exceedances	560	2294	Operational Process Modification	Assessment Complete - Incident Resolved

**Total C of A Non-Compliance = 4 exceedances**

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## 2004 Industrial Sewage Monthly Summary - Southwestern Region

### St. Thomas Sanitary Collection Service Limited

Southwold

Sector: Miscellaneous  
Ministry Office: London

Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
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#### TOTAL SUSPENDED SOLIDS

##### C of A Non-Compliance

July 1, 2004 - July 31, 2004	10	mg/L	mon avg	1 exceedance	12.3		None required	Assessment Complete - No Further Action Required
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**Total C of A Non-Compliance = 1 exceedance**

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## 2004 Industrial Sewage Monthly Summary - Southwestern Region

**Stepan Canada Inc.**

3800 Longford Mills Road  
Ramara

**Sector:** Organic Chemicals Manufacturing  
**Ministry Office:** Barrie

Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
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### ACUTE LETHALITY - DAPHNIA

#### Clean Water Regulations

January 2004	Pass	acute toxicity	any	1 exceedance	Fail		New Equipment or Treatment Process Installed	Director's Order issued
April 30, 2004 - April 30, 2005	Pass	acute toxicity	any	1 exceedance	Fail		New Equipment or Treatment Process Installed	Director's Order issued
September 2004	Pass	acute toxicity	any	1 exceedance	Fail		New Equipment or Treatment Process Installed	Director's Order issued
October 2004	Pass	acute toxicity	any	1 exceedance	Fail		New Equipment or Treatment Process Installed	Director's Order issued

**Total Clean Water Regulations = 4 exceedances**

### ACUTE LETHALITY - TROUT

#### Clean Water Regulations

April 2004	Pass	acute toxicity	any	1 exceedance	Fail		New Equipment or Treatment Process Installed	Director's Order issued
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**Total Clean Water Regulations = 1 exceedance**

### DISSOLVED ORGANIC CARBON

#### Clean Water Regulations

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## 2004 Industrial Sewage Monthly Summary - Southwestern Region

### Stepan Canada Inc.

3800 Longford Mills Road  
Ramara

**Sector:** Organic Chemicals Manufacturing  
**Ministry Office:** Barrie

Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
January 1, 2004 - January 31, 2004	2.8	kg/d	mon avg	1 exceedance	2.885		New Equipment or Treatment Process Installed	Director's Order issued
February 1, 2004 - February 29, 2004	2.8	kg/d	mon avg	1 exceedance	2.902		New Equipment or Treatment Process Installed	Director's Order issued
April 1, 2004 - April 30, 2004	2.8	kg/d	mon avg	1 exceedance	3.338		New Equipment or Treatment Process Installed	Director's Order issued
May 1, 2004 - May 31, 2004	2.8	kg/d	mon avg	1 exceedance	4.467		New Equipment or Treatment Process Installed	Director's Order issued
August 2004	2.8	kg/d	mon avg	1 exceedance	3.859		New Equipment or Treatment Process Installed	Director's Order issued
September 2004	6.2	kg/d	/d	1 exceedance	20.24		New Equipment or Treatment Process Installed	Director's Order issued

**Total Clean Water Regulations = 6 exceedances**

### PHOSPHORUS

#### Clean Water Regulations

January 1, 2004 - January 31, 2004	0.061	kg/d	mon avg	1 exceedance	0.137	2.902	New Equipment or Treatment Process Installed	Director's Order issued
January 2004	0.16	kg/d	/wk	1 exceedance	0.22		New Equipment or Treatment Process Installed	Director's Order issued

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## 2004 Industrial Sewage Monthly Summary - Southwestern Region

**Stepan Canada Inc.**

3800 Longford Mills Road  
Ramara

**Sector:** Organic Chemicals Manufacturing  
**Ministry Office:** Barrie

Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
February 1, 2004 - February 29, 2004	0.061	kg/d	mon avg	1 exceedance	0.079		New Equipment or Treatment Process Installed	Director's Order issued
November 2004	0.061	kg/d	mon avg	1 exceedance	0.06124		New Equipment or Treatment Process Installed	Director's Order issued

**Total Clean Water Regulations = 4 exceedances**

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## 2004 Industrial Sewage Monthly Summary - Southwestern Region

### Suncor Energy Products Inc.

1900 River Road  
Sarnia

**Sector:** Petroleum Refineries  
**Ministry Office:** Sarnia

Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
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### AMMONIA

#### Clean Water Regulations

April 2004	158	kg/d	/d	2 exceedances	179		Other	Voluntary Abatement Program Underway
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**Total Clean Water Regulations = 2 exceedances**

### DISSOLVED ORGANIC CARBON

#### Clean Water Regulations

January 2004	366	kg	/d	1 exceedance	946		Conducting Study	Assessment underway
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**Total Clean Water Regulations = 1 exceedance**

### PHENOLICS

#### Clean Water Regulations

May 2004	0.47	kg/d	24hr	1 exceedance	1.04		Operational Process Modification	Assessment Complete - No Further Action Required
May 2004	0.47	kg/d	24hr	1 exceedance	1.04		Operational Process Modification	Voluntary Abatement Program Underway

**Total Clean Water Regulations = 2 exceedances**

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## 2004 Industrial Sewage Monthly Summary - Southwestern Region

### Terra International (Canada) Inc.

161 Bickford Line, Courtright  
St. Clair

**Sector:** Inorganic Chemicals  
**Ministry Office:** Sarnia

Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
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### ALUMINUM

#### Clean Water Regulations

June 2004	8.9	kg/d	/quart	1 exceedance	19.1		Studied and Reported Cause	Reviewed Sample Results, Evaluating Abatement Options
December 2004	8.9	kg/d	/quart	1 exceedance	27.1		Studied and Reported Cause	Reviewed Sample Results, Evaluating Abatement Options

**Total Clean Water Regulations = 2 exceedances**

### FLUORIDE

#### Clean Water Regulations

March 2004	4	kg/d	/quart	1 exceedance	8.42		Studied and Reported Cause	Reviewed Sample Results, Evaluating Abatement Options
June 2004	4	kg/d	/quart	1 exceedance	9.55		Studied and Reported Cause	Reviewed Sample Results, Evaluating Abatement Options
August 2004	4	kg/d	/quart	1 exceedance	22.53		Studied and Reported Cause	Reviewed Sample Results, Evaluating Abatement Options
October 2004	4	kg/d	/d	1 exceedance	49.05		Studied and Reported Cause	Reviewed Sample Results, Evaluating Abatement Options

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## 2004 Industrial Sewage Monthly Summary - Southwestern Region

### Terra International (Canada) Inc.

161 Bickford Line, Courtright  
St. Clair

**Sector:** Inorganic Chemicals  
**Ministry Office:** Sarnia

Date	Limit	Unit	Frequency	No. of Exceedances	Min.	Max.	Facility Action	Ministry Action
December 2004	4	kg/d	/quart	1 exceedance	25.38		Studied and Reported Cause	Reviewed Sample Results, Evaluating Abatement Options

**Total Clean Water Regulations = 5 exceedances**

### TOTAL SUSPENDED SOLIDS

#### Clean Water Regulations

April 2004	3500	kg/d	/d	1 exceedance	4761		Studied and Reported Cause	Reviewed Sample Results, Evaluating Abatement Options
April 1, 2004 - April 30, 2004	880	kg/d	mon avg	1 exceedance	1066		Studied and Reported Cause	Reviewed Sample Results, Evaluating Abatement Options
May 2004	3500	kg/d	/d	1 exceedance	4743		Studied and Reported Cause	Reviewed Sample Results, Evaluating Abatement Options
September 2004	3500	kg/d	/d	1 exceedance	3914		Studied and Reported Cause	Reviewed Sample Results, Evaluating Abatement Options
November 2004	3500	kg/d	/d	1 exceedance	4820		Studied and Reported Cause	Reviewed Sample Results, Evaluating Abatement Options

**Total Clean Water Regulations = 5 exceedances**

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