



**SCHEDULE "F"**

This Schedule "F" forms part of the Provisional Certificate of Approval No. A 181008.  
**Ground Water Monitoring Program:**

**Groundwater Quality Monitoring:**

| Borehole #  | Eramosa Dolostone | Vinemount Flow Zone | Upper Flow Zone | Mid Flow Zone (Upper) | Mid Flow Zone (lower) | Lower Flow Zone | Frequency (#/year) |   |               |
|---|-------------------|---------------------|-----------------|-----------------------|-----------------------|-----------------|--------------------|---|---------------|
|   |                   |                     |                 |                       |                       |                 | A                  | B |               |
| 28 *  |                   | IV                  | III             | I                     |                       |                 | 4                  | 2 |               |
| 29 *  |                   | II                  | III             | I                     |                       |                 | 4                  |   |               |
| 34  |                   |                     |                 |                       |                       | I               | 4                  |   |               |
| 36  |                   |                     |                 | I                     |                       | II              | 4                  |   |               |
| 37 *  |                   | III                 | II              | I                     |                       |                 | 4                  |   |               |
| 38 *  |                   | III                 | II              | I                     |                       |                 | 4                  |   |               |
| 39 *  |                   | III                 | II              |                       | I                     |                 | 4                  |   |               |
| 40 *  |                   | III                 | II              | I                     |                       |                 | 4                  |   |               |
| 42  |                   |                     |                 | I                     |                       |                 | 4                  |   |               |
| 46  |                   |                     |                 | II                    |                       | I               | 4                  |   |               |
| 47  | IV                | III                 | II              | I                     |                       |                 | 4                  | 2 |               |
| 48  | IV                |                     | III             | II                    |                       | I               | 4                  |   |               |
| 49  | IV                | new monitor         | III             | II                    |                       | I               | 4                  |   |               |
| 50  | II                |                     | I               |                       |                       |                 | 4                  |   |               |
| 51  | V                 | IV                  | III             | II                    |                       | I               | 4                  | 2 |               |
| 52  | III               | II                  | I               |                       |                       |                 | 4                  |   |               |
| 53 *  |                   | III                 |                 | I                     |                       |                 | 4                  |   |               |
| 54 *  |                   | IV                  | III             | II                    |                       | I               | 4                  |   |               |
| 55  |                   | I                   | I               |                       |                       |                 | 4                  |   |               |
| 56  |                   |                     | II              | I                     |                       |                 | 4                  |   |               |
| 60  |                   | III                 | II              | I                     |                       | new monitor     | 4                  |   |               |
| 61  |                   | III                 | II              | I                     |                       |                 | 4                  |   |               |
| P 1   |                   |                     |                 |                       | II                    |                 | 4                  |   |               |
| P 5   |                   |                     |                 | II                    |                       | I               | 4                  |   |               |
| P 7   |                   |                     |                 | II                    |                       | I               | 4                  |   |               |
| P 8   | II                |                     |                 |                       |                       |                 | 4                  |   |               |
| New Monitoring Locations: Two off site monitoring nests north of the East Quarry Landfill |                   |                     |                 |                       |                       |                 | II                 | I | 4 2 in year 1 |

\* - All monitors at this location to be decommissioned prior to construction of landfill in this phase.

Note: I,II,III,IV,V represent individual monitoring wells at the same borehole location.



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*PROVISIONAL CERTIFICATE OF APPROVAL  
FOR A WASTE DISPOSAL SITE  
NO. A 181008  
Page 40 of 43*

Parameter List:

- List A: General: pH, Conductivity, Alkalinity, Phenols, TKN, NH<sub>3</sub>-N, TOC  
 Major Ions: Ca, Mg, Na, K, Cl, SO<sub>4</sub>, F, NO<sub>2</sub>-N, NO<sub>3</sub>-N, Br, PO<sub>4</sub>  
 Metals: Al, BA, BE, B, Cd, Cr, Co, Cu, Pb, Fe, Mn, Mo, Ni, Si, Sr, Ti, V, Zn
- List B: Organic Analysis: Misa Groups 16, 17, 18, 19, 20, and 22.

**Water Level Monitoring:**

|   | <u>Frequency</u> |
|---|------------------|
| Water levels would be collected in all monitors four times per year to correspond with the groundwater quality monitoring. (Any new monitor will be monitored monthly for the first 12 months after construction and well development.) | 4 times per year |



## SCHEDULE "G"

*This Schedule "G" forms part of the Provisional Certificate of Approval No. A 181008.*

### **Suspended Particulate Matter (SPM) Sampling:**

#### Sampling During the First Year of Landfill Operations

Sampling for suspended particulate matter (SPM) shall be conducted during the first year of the operation. Sampling frequency for the first year of operations will take place at the three locations on a six day schedule synchronized with the MOEE sampling schedule.

SPM measurements and corresponding hourly wind data (wind speed and wind direction) shall be provided to the City of Stoney Creek on a monthly basis as well as any analyses and reports using such data if such reports are prepared.

#### Method

Sampling and analysis for suspended particulate matter (SPM) shall be conducted using methods approved by the Ontario Ministry of Environment and Energy (MOEE). Each sample shall be taken using a standard Hi-vol sampler over a 24-hour period (midnight to midnight) and synchronized with the MOEE sampling schedule where applicable.

#### Sampling Locations

Samples shall be taken at three locations simultaneously:

1. west of the East Quarry, on the west side of 1st Road West ("upwind" sample);
2. east of the East Quarry, on the west side of Highway 20 ("downwind" sample); and
3. at a nearby residence.



**SCHEDULE "H"**

This Schedule "H" forms part of the Provisional Certificate of Approval No. A 181008.

**FINANCIAL ASSURANCE QUANTITY AND SCHEDULE**

| REQUIREMENT DATE FOR<br>FINANCIAL ASSURANCE | AMOUNT (\$)  |
|---|--------------|
| 1996  | \$8,930,512  |
| 1997  | \$9,698,395  |
| 1998  | \$10,466,278 |
| 1999  | \$11,234,160 |
| 2000  | \$12,002,043 |
| 2001  | \$13,062,209 |
| 2002  | \$14,122,375 |
| 2003  | \$15,182,541 |
| 2004  | \$16,242,706 |
| 2005  | \$17,302,872 |
| 2006  | \$18,363,038 |
| 2007  | \$19,317,373 |
| 2008  | \$20,271,708 |
| 2009  | \$21,226,043 |
| 2010  | \$22,180,377 |
| 2011  | \$23,134,712 |
| 2012  | \$24,089,047 |
| 2013  | \$25,043,382 |
| 2014  | \$22,170,876 |
| 2015  | \$19,298,370 |
| 2016  | \$16,425,864 |





*In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990 c. E-19, you may by written notice served upon me and the Environmental Appeal Board within 15 days after receipt of this Notice, require a hearing by the Board. Section 142 of the Environmental Protection Act, as amended provides that the Notice requiring a hearing shall state:*

- 1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;*
- 2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.*

*In addition to these legal requirements, the Notice should also include:*

- 3. The name of the appellant;*
- 4. The address of the appellant;*
- 5. The Certificate of Approval number;*
- 6. The date of the Certificate of Approval;*
- 7. The name of the Director;*
- 8. The municipality within which the waste disposal site is located;*

*And the Notice should be signed and dated by the appellant.*

*This Notice must be served upon:*

The Secretary,  
Environmental Appeal Board,  
112 St. Clair Avenue West,  
Suite 502,  
Toronto, Ontario,  
M4V 1N3

AND

The Director,  
Section 39, Environmental Protection Act,  
Ministry of the Environment and Energy,  
250 Davisville Avenue, 3rd Floor,  
Toronto, Ontario.  
M4S 1H2

*DATED AT TORONTO this 6th day of September, 1996.*

A. Dominski, P. Eng.,  
Director,  
Section 39,  
Environmental Protection Act



Ministry of  
Environment  
and Energy

Ministère de  
l'Environnement  
et de l'Énergie

250 Davisville Avenue  
Toronto ON M4S 1H2

250, avenue Davisville  
Toronto ON M4S 1H2

**APPROVALS BRANCH**

Phone: (416) 440-3544  
Fax: (416) 440-6973

①

20 November, 1996

Mr. John Fisher, General Manager  
Taro Aggregates Limited  
65 Green Mountain Road  
Stoney Creek, Ontario  
L8J 1X5

Dear John:

Re: Notice of Amendment - Temporary Wheel Wash Facility  
Provisional Certificate of Approval No. A 181008 - Taro East  
Quarry Landfill Site

Please find enclosed a Notice of Amendment for the above mentioned  
Provisional Certificate of Approval. The Notice provides for the  
establishment and operation of a temporary wheel wash facility at  
the above waste disposal site.

Please note that all other terms and conditions as outlined in the  
original Certificate of Approval remain unchanged.

Should you have any questions or comments concerning the above,  
please feel free to contact Mr. John Kaasalainen of this office at  
(416) 440-7032.

Sincerely,

A. Dominski, P.Eng.  
Supervisor, Waste Unit

Encl.

JAK/jk

cc: Hardy Wong, MOEE West Central Region  
John Percy, MOEE Hamilton District Office  
Ian Neville, City of Stoney Creek





Ministry of Environment and Energy

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NOTICE  
Page 1 of 2

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TO: Taro Aggregates Ltd.  
65 Green Mountain Road  
Stoney Creek, Ontario  
L8J 1X5

You are hereby notified that the terms and conditions of Provisional Certificate of Approval No. A 181008 dated September 6, 1996 are amended to allow for the installation and use of a temporary wheel wash facility in accordance with the following plans and specifications:

- a. The letter dated November 6, 1996 to Mr. Wilf Ng of the Approvals Branch, Ministry of Environment and Energy, from Mr. Wayne Jackman of Taro Aggregates Ltd. requesting an amendment to the Provisional Certificate of Approval No. A 100101 and providing the following information:
  - the proposed location for the temporary wheel wash facility; and
  - the wheel wash facility design details.

In addition, the following conditions are to be implemented as part of this approval:

- 90. The temporary wheel wash facility shall be installed and operational prior to acceptance of waste at the site for final disposal.
- 91. The final design details for the permanent wheel wash facility shall be submitted to the Ministry for approval by May 1, 1997.

The reason for this amendment is to ensure that the site is operated in an environmentally safe manner.



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C

NOTICE  
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*In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990 c. E-19, you may by written notice served upon me and the Environmental Appeal Board within 15 days after receipt of this Notice, require a hearing by the Board. Section 142 of the Environmental Protection Act, as amended provides that the Notice requiring a hearing shall state:*

1. *The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;*
2. *The grounds on which you intend to rely at the hearing in relation to each portion appealed.*

*In addition to these legal requirements the Notice should also include:*

3. *The name of the appellant;*
4. *The address of the appellant;*
5. *The Certificate of Approval number;*
6. *The date of the Certificate of Approval;*
7. *The name of the Director;*
8. *The municipality within which the waste disposal site is located;*

*And the Notice should be signed and dated by the appellant.*

*This Notice must be served upon:*

The Secretary,  
Environmental Appeal Board,  
112 St. Clair Avenue West,  
Suite 502,  
Toronto, Ontario,  
M4V 1N3

AND

The Director,  
Section 39, Environmental Protection Act,  
Ministry of Environment and Energy,  
250 Davisville Avenue, 3rd Floor,  
Toronto, Ontario.  
M4S 1H2

*DATED AT TORONTO this 20th day of November, 1996.*

A. Dominski, P. Eng.  
Director  
Section 39  
Environmental Protection Act



4 71

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250 Davieville Avenue Toronto ON M4S 1H2

250, avenue Davieville Toronto ON M4S 1H2

APPROVALS BRANCH

Phone: (416) 440-3544 Fax: (416) 440-6973

RECEIVED MAY 08 1997

30 April, 1997

Mr. John Fisher, General Manager Taro Aggregates Limited 65 Green Mountain Road Stoney Creek, Ontario L8J 1X5

Dear John:

Re: Notice of Amendment - Phase 2 / Landscape Plan Provisional Certificate of Approval No. A 181008 - Taro East Quarry Landfill Site

Please find enclosed a Notice of Amendment for the above mentioned Provisional Certificate of Approval. The Notice allows for the design and development of Phase 2 of the waste disposal site and for the implementation of the proposed landscape plan.

Please note that all other terms and conditions as outlined in the original Certificate of Approval and associated Notices remain unchanged.

Should you have any questions or comments concerning the above, please feel free to contact Mr. John Kaasalainen of this office at (416) 440-7032.

Sincerely,

A. Dominski, P.Eng. Supervisor, Waste Unit

Encl.

JAK/jk

cc: Hardy Wong, MOEE West Central Region John Percy, MOEE Hamilton District Office Ian Neville, City of Stoney Creek



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NOTICE  
Page 1 of 3

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Taro Aggregates Ltd.  
65 Green Mountain Road  
Stoney Creek, Ontario  
L8J 1X5

You are hereby notified that the terms and conditions of Provisional Certificate of Approval No. A 181008 dated September 6, 1996, and all associated Notices are amended as follows:

- A. The Provisional Certificate of Approval No. A 181008 is amended to allow for the following:
  - a. The design and development of Phase 2 of the waste disposal site in accordance with the following plans and specifications:
    - i. The letter dated March 6, 1997 to Mr. Wilf Ng of the Approvals Branch, Ministry of Environment and Energy, from Mr. Wayne Jackman of Taro Aggregates Ltd. requesting approval for Phase 2 of the waste disposal site and providing additional information with respect to changes in the design from Phase 1A of the site.
    - ii. The document entitled "East Quarry Landfill Site, Technical Specifications for Phase 2 Base Liner and Leachate Collection System" dated March 1997 by Gartner Lee Limited.
    - iii. The set of drawings, Drawing Nos. 1 to 15, entitled "Contract No. \_\_\_\_\_, Taro Aggregates Ltd. Phase 2 - Base Liner and Leachate Collection System, East Quarry Landfill Site" dated March 5, 1997 by Gartner Lee Limited.
    - iv. The letter dated April 22, 1997 to Mr. John Kaasalainen of the Approvals Branch, Ministry of Environment and Energy, from Mr. Mark Sungaila of Gartner Lee Limited providing clarification with respect to the frequency of in-situ hydraulic conductivity testing for the clay liner.



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Ministère de l'Environnement et de l'Énergie

NOTICE  
Page 2 of 3

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- b. The implementation of the proposed landscape plan for the site in accordance with the following plans and specifications:
  - i. The letter dated March 4, 1997 to Mr. Wilf Ng of the Approvals Branch, Ministry of Environment and Energy, from Mr. Wayne Jackman of Taro Aggregates Ltd. providing specifications for the landscape plan.
  - ii. The drawing entitled "Taro Aggregates Limited East Quarry Landscape Concept" dated February 28, 1997 by the Landscape Collaborative Limited.
  - iii. The letter dated April 28, 1997 to Mr. J. Kaasalainen of the Approvals Branch, Ministry of Environment and Energy, from Mr. Wayne Jackman of Taro Aggregates Ltd. providing a proposed schedule for the implementation of the landscape plan.

B. The following condition is added to this approval:

- 92. As part of the annual report, required under Condition 54 of the Certificate, the Company shall provide a summary of the landscape plan works completed during the previous year along with the proposed landscape works and work schedule for the next year.

The reason for this amendment is to ensure that the site is operated in an environmentally safe manner.





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NOTICE  
Page 3 of 3

*In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990 c. E-19, you may by written notice served upon me and the Environmental Appeal Board within 15 days after receipt of this Notice, require a hearing by the Board. Section 142 of the Environmental Protection Act, as amended provides that the Notice requiring a hearing shall state:*

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

*In addition to these legal requirements the Notice should also include:*

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the waste management system is located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary,  
Environmental Appeal Board,  
112 St. Clair Avenue West,  
Suite 502,  
Toronto, Ontario,  
M4V 1N3

AND

The Director,  
Section 39, Environmental Protection Act,  
Ministry of Environment and Energy,  
250 Davisville Avenue, 3rd Floor,  
Toronto, Ontario,  
M4S 1H2

*DATED AT TORONTO this 30th day of April, 1997.*

A. Dominski, P. Eng.  
Director  
Section 39  
Environmental Protection Act

JAK/am



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and Energy

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et de l'Énergie

250 Davisville Avenue  
Toronto ON M4S 1H2

250, avenue Davisville  
Toronto ON M4S 1H2

**APPROVALS BRANCH**

Phone: (416) 440-3544

Fax: (416) 440-6973

**RECEIVED MAY 0 8 1997**

30 April, 1997

Mr. John Fisher, General Manager  
Taro Aggregates Limited  
65 Green Mountain Road  
Stoney Creek, Ontario  
L8J 1X5

Dear John:

Re: Notice of Amendment - Phase 2 / Landscape Plan  
Provisional Certificate of Approval No. A 181008 - Taro East  
Quarry Landfill Site

Please find enclosed a Notice of Amendment for the above mentioned  
Provisional Certificate of Approval. The Notice allows for the  
design and development of Phase 2 of the waste disposal site and  
for the implementation of the proposed landscape plan.

Please note that all other terms and conditions as outlined in the  
original Certificate of Approval and associated Notices remain  
unchanged.

Should you have any questions or comments concerning the above,  
please feel free to contact Mr. John Kaasalainen of this office at  
(416) 440-7032.

Sincerely,



A. Dominski, P.Eng.  
Supervisor, Waste Unit

Encl.

JAK/jk

cc: Hardy Wong, MOEE West Central Region  
John Percy, MOEE Hamilton District Office  
Ian Neville, City of Stoney Creek



Taro Aggregates Ltd.  
65 Green Mountain Road  
Stoney Creek, Ontario  
L8J 1X5

You are hereby notified that the terms and conditions of Provisional Certificate of Approval No. A 181008 dated September 6, 1996, and all associated Notices are amended as follows:

- A. The Provisional Certificate of Approval No. A 181008 is amended to allow for the following:
- a. The design and development of Phase 2 of the waste disposal site in accordance with the following plans and specifications:
    - i. The letter dated March 6, 1997 to Mr. Wilf Ng of the Approvals Branch, Ministry of Environment and Energy, from Mr. Wayne Jackman of Taro Aggregates Ltd. requesting approval for Phase 2 of the waste disposal site and providing additional information with respect to changes in the design from Phase 1A of the site.
    - ii. The document entitled "East Quarry Landfill Site, Technical Specifications for Phase 2 Base Liner and Leachate Collection System" dated March 1997 by Gartner Lee Limited.
    - iii. The set of drawings, Drawing Nos. 1 to 15, entitled "Contract No. \_\_\_\_\_, Taro Aggregates Ltd. Phase 2 - Base Liner and Leachate Collection System, East Quarry Landfill Site" dated March 5, 1997 by Gartner Lee Limited.
    - iv. The letter dated April 22, 1997 to Mr. John Kaasalainen of the Approvals Branch, Ministry of Environment and Energy, from Mr. Mark Sungaila of Gartner Lee Limited providing clarification with respect to the frequency of in-situ hydraulic conductivity testing for the clay liner.



- b. The implementation of the proposed landscape plan for the site in accordance with the following plans and specifications:
- i. The letter dated March 4, 1997 to Mr. Wilf Ng of the Approvals Branch, Ministry of Environment and Energy, from Mr. Wayne Jackman of Taro Aggregates Ltd. providing specifications for the landscape plan.
  - ii. The drawing entitled "Taro Aggregates Limited East Quarry Landscape Concept" dated February 28, 1997 by the Landscape Collaborative Limited.
  - iii. The letter dated April 28, 1997 to Mr. J. Kaasalainen of the Approvals Branch, Ministry of Environment and Energy, from Mr. Wayne Jackman of Taro Aggregates Ltd. providing a proposed schedule for the implementation of the landscape plan.

B. The following condition is added to this approval:

92. As part of the annual report, required under Condition 54 of the Certificate, the Company shall provide a summary of the landscape plan works completed during the previous year along with the proposed landscape works and work schedule for the next year.

The reason for this amendment is to ensure that the site is operated in an environmentally safe manner.



*In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990 c. E-19, you may by written notice served upon me and the Environmental Appeal Board within 15 days after receipt of this Notice, require a hearing by the Board. Section 142 of the Environmental Protection Act, as amended provides that the Notice requiring a hearing shall state:*

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

*In addition to these legal requirements the Notice should also include:*

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the waste management system is located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary,  
Environmental Appeal Board,  
112 St. Clair Avenue West,  
Suite 502,  
Toronto, Ontario,  
M4V 1N3

AND

The Director,  
Section 39, Environmental Protection Act,  
Ministry of Environment and Energy,  
250 Davisville Avenue, 3rd Floor,  
Toronto, Ontario.  
M4S 1H2

*DATED AT TORONTO this 30th day of April, 1997.*

\_\_\_\_\_  
A. Dominski, P. Eng.  
Director  
Section 39  
Environmental Protection Act

April 22, 1997

GLL 97-579

Mr. John Kaasalainen  
 Ontario Ministry of Environment and Energy  
 Approvals Branch  
 250 Davisville Avenue, 3rd Floor  
 Toronto, Ontario  
 M4S 1H2

Dear Mr. Kaasalainen:

Re: Frequency of Clay Liner Hydraulic Conductivity Testing, Taro East Quarry  
 Landfill, Phase 2

We are providing clarification on the issue of frequency of clay liner hydraulic conductivity testing pursuant to our telephone discussion of April 16, 1997.

Section 4.4.5.5 of the Phase 2 specifications (dated March 1997) indicates that in situ tests, using Stage 1 of the Two Stage Borehole Test, may be substituted for Shelby Tube tests at least at one quarter of test locations. We understand that you have two concerns relative to this:

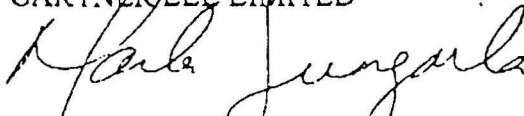
- a) that it is possible to interpret Section 4.4.5.5 such that the in situ tests could in fact be carried out at all test locations, with no Shelby tube tests; and
- b) you wish that both in situ tests and Shelby tube tests be used, as per our memorandum to you dated September 25, 1996.

Our intention is to carry out about half of the tests using the in situ method, and the other half using Shelby tube samples. We wish to maintain some flexibility to modify the frequency to accommodate site conditions and the construction schedule. Therefore, we suggest that the first sentence of Section 4.4.5.5 be modified as follows:

*"At the discretion of the Engineer, in situ hydraulic conductivity testing will be performed in lieu of each pair of Shelby tube samples at least at one quarter of the testing locations, but at no more than three quarters of the test locations."*

We trust that this modification is acceptable to you. Should you have any questions please do not hesitate to contact us at (905) 477-8400, ext 226.

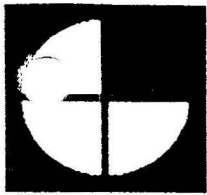
Yours very truly,  
 GARTNER LEE LIMITED



Mark A. Sungaila, M.A.Sc., P.Eng.  
 Senior Environmental Engineer  
 Principal

MAS:mmm

cc: Wayne Jackman, Taro Aggregates Ltd.  
 Edward San, Gartner Lee Limited



**Gartner  
 Lee  
 Limited**

140 Renfrew Drive  
 Suite 102  
 Markham, Ontario  
 L3R 6B3

Tel: (905) 477-8400  
 Fax: (905) 477-1456

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April 28, 1997

Mr. J. Kaasalainen, P.Eng.  
Senior Engineer, Waste Unit  
Approvals Branch  
Ontario Ministry of Environment and Energy  
3rd Floor  
250 Davisville Avenue  
Toronto, Ontario  
M4S 1H2

**Re: Taro East Landfill - Certificate of Approval A-181008**

Dear John:

Further to our discussion on Friday April 25, 1997, I would like to advise you of our landscape plan implementation schedule. Assuming that weather and planting material and services are available it is our plan to implement the following schedule:

- Planting of Mud Street and First Road West is going to be tendered shortly with planting beginning in late spring
- Highway 20 will be planted in the spring of 1998
- Green Mountain Road will be planted in the spring of 1999.

I trust that this information is sufficient for your needs at this time. Should you have any questions or require any further information please do not hesitate to contact me.

Yours truly,



Wayne Jackman  
Environmental Engineering Manager

cc: M. Jovanovic  
J. Fisher  
O. Scott  
H. Wong



Ministry of Environment and Energy

Ministère de l'Environnement et de l'Énergie

250 Davisville Avenue Toronto ON M4S 1H2

250, avenue Davisville Toronto ON M4S 1H2

APPROVALS BRANCH  
3rd Floor  
Tel. (416) 440-3544  
Fax (416) 440-6973

RECEIVED MAY 1 2 1997



2 May 1997

Mr. Wayne Jackman  
Environmental Engineering Manager  
Taro Aggregates Limited  
65 Green Mountain Road  
Stoney Creek, Ontario  
L8J 1X5

Dear Wayne:

Re: Notice of Amendment - Wheel Wash Facility  
Provisional Certificate of Approval No. A 181008  
Taro East Quarry Landfill Site

Please find enclosed a Notice of Amendment for the above mentioned Provisional Certificate of Approval. The Notice provides for the change in submission date for the final detailed design of the permanent wheel wash facility from May 1, 1997 to June 30, 1997.

Please note that all other terms and conditions as outlined in the original Certificate of Approval and associated Notices remain unchanged.

Should you have any questions or comments concerning the above, please feel free to contact Mr. John Kaasalainen of this office at (416) 440-7032.

Sincerely,

A. Dominski, P.Eng., Supervisor  
Waste Unit

Encl.  
JAK/es

cc: Hardy Wong, MOEE West Central Region  
John Percy, MOEE Hamilton District Office  
Ian Neville, City of Stoney Creek







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NOTICE  
Page 1 of 2

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Taro Aggregates Ltd.  
65 Green Mountain Road  
Stoney Creek, Ontario  
L8J 1X5

You are hereby notified that Provisional Certificate of Approval No. A 181008 dated September 6, 1996, and all associated Notices are amended as follows:

The Notice of Amendment dated November 20, 1996 is amended by revoking Condition 91 and replacing it with the following condition:

- 91. The final design details for the permanent wheel wash facility shall be submitted to the Ministry for approval by June 30, 1997.

The reason for this amendment is to provide the Company with additional time to determine and evaluate the preferred design for the permanent wheel wash facility.

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990 c. E-19, you may by written notice served upon me and the Environmental Appeal Board within 15 days after receipt of this notice, require a hearing by the Board. Section 142 of the Environmental Protection Act, as amended provides that the Notice requiring a hearing shall state:

- 1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
- 2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

In addition to these legal requirements the Notice should also include:

- 3. The name of the appellant;
- 4. The address of the appellant;
- 5. The Certificate of Approval number;
- 6. The date of the Certificate of Approval;
- 7. The name of the Director;
- 8. The municipality within which the waste disposal site is located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary,  
Environmental Appeal Board,  
112 St. Clair Avenue West,  
Suite 502,  
Toronto, Ontario,  
M 1N3

AND

The Director,  
Section 39, Environmental Protection Act,  
Ministry of Environment and Energy,  
250 Davisville Avenue, 3rd Floor,  
Toronto, Ontario.  
M4S 1H2





Ministry of  
Environment  
and Energy

Ministère de  
l'Environnement  
et de l'Énergie

NOTICE  
Page 2 of 2

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DATED AT TORONTO this 2nd day of May, 1997.

A. Dominski, P. Eng.  
Director  
Section 39  
Environmental Protection Act



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Ministry of  
Environment  
and Energy

Ministère de  
l'Environnement  
et de l'Énergie

250 Daviville Avenue  
Toronto ON M4S 1H2

250, avenue Daviville  
Toronto ON M4S 1H2

APPROVALS BRANCH

3rd Floor

Tel. (416) 440-3544

Fax (416) 440-6973

RECEIVED SEP 16 1997

September 5, 1997

Mr. John Fisher, General Manager  
Taro Aggregates Limited  
65 Green Mountain Road  
Stoney Creek, Ontario  
L8J 1X5

Dear Sir:

Re: Notice of Amendment - Noise Monitoring Program  
Provisional Certificate of Approval No. A-181008  
Taro East Quarry Landfill Site

Please find enclosed a Notice of Amendment for the above mentioned  
Provisional Certificate of Approval. The Notice allows for the  
inclusion of the amended noise monitoring protocol as part of the  
overall environmental monitoring program utilized at the Taro East  
Quarry Landfill site.

Please note that all other terms and conditions as outlined in the  
original Certificate of Approval and associated Notices remain  
unchanged.

Should you have any questions or comments concerning the above,  
please feel free to contact Mr. John Gasbarri of this office at  
(416) 440-3577.

Sincerely,

A. Dominski, P. Eng.  
Manager  
Waste Section

Encl.  
JG/es

cc: Hardy Wong, MOEE West Central Region  
John Percy, MOEE Hamilton District Office  
Ian Neville





Ministry of Environment and Energy

Ministère de l'Environnement et de l'Énergie

NOTICE Page 1 of 2

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Taro Aggregates Ltd.  
65 Green Mountain Road  
Stoney Creek, Ontario  
L8J 1X5

You are hereby notified that the terms and conditions of Provisional Certificate of Approval No. A 181008 dated September 6, 1996, and all subsequent Notices are amended as follows:

The Provisional Certificate of Approval No. A 181008 is amended to allow for the inclusion of a noise monitoring protocol as part of the overall environmental monitoring program for the Taro East Quarry Landfill site, as outlined in the following documentation:

- a) The letter dated November 28, 1996 to Mr. Wilf Ng of the Ministry of Environment and Energy Approvals Branch from Mr. Wayne Jackman of Taro Aggregates Limited providing the details of the noise monitoring program contained in the enclosed Report, dated November 19, 1996.
- b) The letter dated May 8, 1997 to Mr. Wayne Jackman of Taro Aggregates Limited from Mr. John Coulter of J. E. Coulter Associates Ltd. providing responses to the Ministry's review comments on the noise monitoring program and amendments to the above mentioned program.

The reason for these amendments is to ensure that the site is operated in an environmentally safe manner and to ensure compliance with Condition 47 of the Provisional Certificate of Approval No. A 181008.

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990 c. E-19, you may by written notice served upon me and the Environmental Appeal Board within 15 days after receipt of this Notice, require a hearing by the Board. Section 142 of the Environmental Protection Act, as amended provides that the Notice requiring a hearing shall state:

- 1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
- 2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

In addition to these legal requirements the Notice should also include:

- 3. The name of the appellant;
- 4. The address of the appellant;
- 5. The Certificate of Approval number;
- 6. The date of the Certificate of Approval;
- 7. The name of the Director;
- 8. The municipality within which the waste disposal site is located;

And the Notice should be signed and dated by the appellant.



Ministry of Environment and Energy

Ministère de l'Environnement et de l'Énergie

NOTICE Page 2 of 2

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*This Notice must be served upon:*

The Secretary,  
Environmental Appeal Board,  
2300 Yonge St., 12th Floor,  
P.O. Box 2382  
Toronto, Ontario.  
M4P 1E4

AND

The Director,  
Section 39, Environmental Protection Act,  
Ministry of Environment and Energy,  
250 Davisville Avenue, 3rd Floor,  
Toronto, Ontario.  
M4S 1H2

*DATED AT TORONTO this 5th day of September, 1997.*

A. Dominski, P. Eng.  
Director  
Section 39  
Environmental Protection Act



Ministry  
of the  
Environment

Ministère  
de  
l'Environnement

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**APPROVALS BRANCH**

3rd Floor

Tel. (416) 440-3544

Fax (416) 440-6973

250 Daviaville Avenue  
Toronto, Ontario  
M4S 1H2

250, avenue Daviaville  
Toronto (Ontario)  
M4S 1H2

February 2, 1998

Mr. Wayne Jackman  
Environmental Engineering Manager  
Taro Aggregates Ltd.  
65 Green Mountain Road  
Stoney Creek, Ontario  
L8J 1X5

Dear Sir:

Re: Notice of Amendment - Wheel Wash Facility  
Provisional Certificate of Approval No. A 181008  
Taro East Quarry Landfill Site

Please find enclosed a Notice of Amendment for the above mentioned Provisional Certificate of Approval. The Notice allows for the construction of the on-site wheel wash facility, required by Condition 42, as part of the overall environmental program utilized at the Taro East Quarry Landfill site.

Please note that all other terms and conditions as outlined in the original Certificate of Approval and associated Notices remain unchanged.

Should you have any questions concerning the above, please do not hesitate to contact Mr. John Gasbarri at (416) 440-3577.

Yours truly,

A. Dominski, P.Eng., Manager  
Waste Section

Encl.  
JG/es

cc: Hardy Wong, MOE West Central Region



Ministry  
of the  
Environment

Ministère  
de  
l'Environnement

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NOTICE  
Page 1 of 2

Taro Aggregates Ltd.  
65 Green Mountain Road  
Stoney Creek, Ontario  
L8J 1X5

*You are hereby notified that the terms and conditions of Provisional Certificate of Approval No. A 181008 dated September 6, 1996 and all subsequent Notices are amended as follows:*

The Provisional Certificate of Approval No. A 181008 is amended to allow for the construction of a wheel washing facility as part of the overall environmental control program for the Taro East Quarry Landfill site, as outlined in the following documentation:

- a) The letter dated June 27, 1997 to Mr. Wilfred Ng, Director, Approvals Branch Ministry of Environment and Energy from Mr. Wayne Jackman, Environmental Engineering Manager of Taro Aggregates Ltd. providing the details and design of the permanent on-site wheel wash facility.

The reason for this amendment is to ensure that the site is operated in an environmentally safe manner and to ensure compliance with Condition 42 of the Provisional Certificate of Approval No. A 181008.

*In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990 c. E-19, you may by written notice served upon me and the Environmental Appeal Board within 15 days after receipt of this Notice, require a hearing by the Board. Section 142 of the Environmental Protection Act, as amended provides that the Notice requiring a hearing shall state:*

- 1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;  
The grounds on which you intend to rely at the hearing in relation to each portion appealed.

*In addition to these legal requirements the Notice should also include:*

- 3. The name of the appellant;  
The address of the appellant;  
The Certificate of Approval number;
- 4. The date of the Certificate of Approval;
- 5. The name of the Director;  
The municipality within which the waste disposal site is located;

*And the Notice should be signed and dated by the appellant.*

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Ministry  
of the  
Environment

Ministère  
de  
l'Environnement

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NOTICE  
Page 2 of 2

*This Notice must be served upon:*

The Secretary,  
Environmental Appeal Board,  
300 Yonge St., 12th Floor,  
Toronto, Ontario.  
M5S 1E4

AND

The Director,  
Section 39, Environmental Protection Act,  
Ministry of Environment,  
250 Davisville Avenue, 3rd Floor,  
Toronto, Ontario.  
M4S 1H2

DATED AT TORONTO this 2nd day of February, 1998.

A. Dominski, P. Eng.  
Director  
Section 39  
Environmental Protection Act

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Ministry of the Environment

Ministère de l'Environnement

250 Davisville Avenue  
Toronto ON M4S 1H2

250, avenue Davisville  
Toronto ON M4S 1H2



(17)

**APPROVALS BRANCH**

3rd Floor

Tel. (416) 440-3544

Fax (416) 440-6973

June 8, 1998

Mr. Wayne Jackman  
Philip Enterprises Inc.  
651 Burlington Street East  
P.O. Box 423, LCD 1  
Hamilton, Ontario  
L8L 7W2

Dear Mr. Jackman:

Re: Request for Amendment to the Provisional Certificate of Approval No. A181008, dated September 6, 1996, for the Design and Construction of Phase 1B of the Waste Disposal Site Located on Part of Lots 25 and 26 of Concession 6 in Stoney Creek.

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Please find attached the Notice of amendment for the above proposal.

As requested by your consultant, we have amended the Provisional Certificate of Approval for the above landfill site, to include the documentation providing specifications for the materials and construction of the base liner and the leachate collection system for Phase 1B of the site. We also changed the name and the address to reflect the change in the site ownership.

Should you have any questions regarding this Notice or the letter, please contact Margaret Wojcik, P.Eng., of the Approvals Branch at (416) 440-7032.

Yours truly,

A. Dominski, P.Eng.  
Manager  
Waste Section

cc: District Manager, Hamilton  
Mark A. Sungaila, Gartner Lee Limited  
Scott Snider, Turkstra Mazza Associates

