

September 12, 2008

Project No. 07-1122-0277

Mr. Peter Taylor, Director, Section 34 OWRA, Eastern Region
Ontario Ministry of Environment
1259 Gardiners Road
Kingston, Ontario
K7P 3J6

**PROVISION OF INFORMATION
CATEGORY 3 PERMIT TO TAKE WATER APPLICATION
FUTURE STAGES OF FINDLAY CREEK VILLAGE SUBDIVISION
OTTAWA, ONTARIO
MOE REFERENCE # 4635-7GFNDT**

Dear Mr. Taylor,

On behalf of Findlay Creek Co-Tenancy, Golder Associated Ltd. (Golder Associates) prepared and submitted a letter (dated August 29, 2008) to provide additional information for the Future Stages Permit to Take Water (PTTW) application for the Findlay Creek Village Subdivision. The letter included a description of two additional areas to be covered by the permit: 1) the Findlay Creek Extension Area along the north and east sides of the Leitrim Wetland and 2) the Drainage Ditch Modification Area to the north of the central portion of the property. A revised Figure 1, Rev.1 was also provided showing the locations of the additional areas. Inclusion of the two additional areas is the only proposed modification to the Future Stages PTTW application package originally submitted on July 8, 2008 (i.e., there are no proposed changes to the location, manner, duration or rate of taking for construction activities described in the original PTTW application).

A conference call was held on September 11, 2008 to discuss the additional information provided by Golder Associates. The conference call attendees included Mr. Peter Taylor and Mr. Nicholas Murphy of the Ministry of the Environment (MOE) and Mr. Paul Smolkin of Golder Associates. At that time, it was decided that the MOE would continue their review of the application package and provide comments by the end of September, and that the PTTW application would be reposted on the Environmental Bill of Rights website for an additional 30 day comment period. The new posting would reflect the inclusion of the two additional areas to be covered by the Future Stages PTTW, and would run from approximately September 15, to October 15, 2008.

The following information was requested by the MOE to allow for the completion of their review of the PTTW application package:

1. a completed Source Information (Section 7) from the PTTW application form for each additional source; and,
2. a revised Table A providing water taking volumes for the two additional sources.

The requested Source Information sheets for the Drainage Ditch Modification Area source and the Findlay Creek Extension Area source are attached. The following water taking rates for the two additional sources are proposed:

| Source | Maximum Rate Per Minute (L) | Maximum Number of Hours Taking Per Day | Maximum Volume Per Day (L) | Typical Volume Per Day (L) |
|-------------------------------------|--------------------------------|---|-------------------------------|-------------------------------|
| Drainage Ditch Modification Area | 2,083 | 24 | 3,000,000 | 1,000,000 |
| Findlay Creek Extension Area | 6,944 | 24 | 10,000,000 | 1,500,000 |

The above proposed water taking rates are based on estimates obtained at the site during the completion of similar works. A revised Table A including the two additional sources is attached.

It is anticipated that the temporary management/diversion of water in these two areas will not result in any adverse effects on the environment. There are no potential effects on groundwater levels in the wetland (or elsewhere) anticipated; the current groundwater monitoring program will be ongoing during the duration of the FCE work. Potential concerns related to the quality of water being returned via diversion, sedimentation or erosion associated with the works and temporary effects on base flows and hence on fish habitat are all components that need to be satisfied under the DFO Fisheries Authorization, and will be considered in the way that the work is planned and undertaken.

We trust this information is adequate for inclusion into the MOE review; however should there be any questions please do not hesitate to contact the undersigned.

GOLDER ASSOCIATES LTD.



Paul Smolkin, P.Eng.
Principal

PAS/ca

CC: Mr. Nicholas Murphy, MOE Kingston
Mr. P. Dufresne, Findlay Creek Co-Tenancy
Mr. M. Taggart, Taggart Construction Limited
Ms. J. Leavoy, MOE Ottawa

Attachments: Source Information Sheets
Revised Table A

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Drainage Ditch Modification Area

7. Source Information – Note: Source Information must be provided separately for each source. Please complete and submit multiple copies of this Source Information section (pages 3 and 4 of this form) if your application includes more than one source.

| | | | | |
|--|--|---|---|----------------------------|
| Number of Water Taking Sources Included in this Application (do not include domestic uses that do not require a permit) | | | | |
| Total Number of Wells 0 | Total Number of Lake Intakes 0 | Total Number of Ponds 1 | Total Number of Watercourse Intakes 2 | |
| Source Location Information (if multiple sources are included in application, provide information for each source) | | | | |
| Civic Address - Street information (street number/name/type/direction/unit/suite/emergency 911 location number and street) N/A | | | | |
| Lot 18, 19 and 20 | Concession IV | Part | Reference Plan | |
| Municipality/Unorganised Township Ottawa | County/District Ottawa | Original Geographic Township Gloucester | | |
| Geographic (GPS) Coordinates (to be provided in Datum NAD83) | | | | |
| Method of Collection Google Earth | Accuracy Estimate +/-100 m | UTM Zone 18T | Easting 452376 | Northing 5019045 |
| Is the Applicant the owner of the site where water taking will occur? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No if no, attach the owner's name, address and a signed letter granting consent for the applicant to access the water taking location | | | | |
| Is the site where water taking will occur located in an area of development control as defined by the Niagara Escarpment Planning & Development Act? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | |
| Is the site where water taking will occur located on the Oak Ridges Moraine Conservation Area as defined by the Oak Ridges Moraine Conservation Plan (a regulation made under the Oak Ridges Moraine Conservation Act)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | |
| Are you aware of any complaints or impacts resulting from water takings at the site? <input type="checkbox"/> Yes if yes, please describe: _____ <input checked="" type="checkbox"/> No | | | | |
| Will water from the site be packaged in a container (bottled water, tanks)? <input type="checkbox"/> Yes if yes, what size of containers? <input type="checkbox"/> greater than 20 litres <input type="checkbox"/> 20 litres or less <input checked="" type="checkbox"/> No | | | | |
| Are wells located within 500 m of the site where water taking will occur? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No if no, what is the distance to the nearest well? _____ | | | | |
| Is municipal water available to all dwellings within 500m of the site where water taking will occur? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown | | | | |
| Estimated start date of water taking September 1, 2008 | Water taking to extend for a period of: 10 <input type="checkbox"/> days <input type="checkbox"/> weeks <input type="checkbox"/> months <input checked="" type="checkbox"/> years <input type="checkbox"/> indefinite | | | |
| Is activity subject to the Environmental Assessment Act? <input type="checkbox"/> Yes if yes, please attach approval or Notice of Completion <input checked="" type="checkbox"/> No | | | | |
| If yes, did the project receive any Part II Orders / Bump-Up requests? <input type="checkbox"/> Yes if yes, what was the date of the Minister's Decision? _____ <input type="checkbox"/> Decision pending <input type="checkbox"/> No | | | | |
| List any public consultation/notification that has occurred related to the proposed water taking (i.e., public hearings, notification of First Nations, etc.) N/A | | | | |

☒ **Watercourse** - please complete this table if applying to take water from a watercourse (i.e., stream, municipal ditch, open drain, etc.)

| | |
|--|--------------------------------------|
| Watercourse Name Drainage Ditch Modification Area | Tributary to Findlay Creek |
| Does flow in the watercourse stop at any time during the year? <input type="checkbox"/> Yes if yes, during which months? _____ For what period of time? _____ <input checked="" type="checkbox"/> No | |
| Do you move/relocate the water intake (pump)? <input checked="" type="checkbox"/> Yes if yes, please provide primary and secondary locations on attached map <input type="checkbox"/> No The location of the water taking will vary depending on the stage of work, but will be confined to the area identified as | |

Drainage Ditch Modification Area

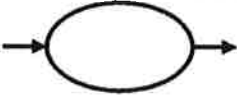
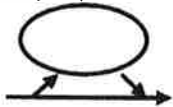
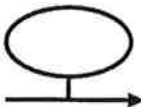

☐ **Well** - please complete this table if applying to take water from a well (includes sumps for mines and quarries)

| | | |
|--|--------------------------|---|
| Well Name / Identifier | Water Well Record Number | If not available, provide name of property owner at time of well construction |
| Has the well been deepened? | | |
| <input type="checkbox"/> Yes if yes, what was the date of deepening? _____ <input type="checkbox"/> No | | |
| Type of Well: <input type="checkbox"/> Drilled <input type="checkbox"/> Bored <input type="checkbox"/> Dug <input type="checkbox"/> Driven or Jetted (sandpoints/wellpoints) | | |
| If 'Driven or Jetted', provide the following: Total number of sandpoints/wellpoints: _____ Number of interconnected sandpoint/wellpoint systems: _____ | | |
| Can you measure the depth to water in this well? | | |
| <input type="checkbox"/> Yes if yes, what is the depth to static water level? _____ Date Measured: _____ <input type="checkbox"/> No | | |
| Has a pumping test been done? | | |
| <input type="checkbox"/> Yes if yes, please attach report <input type="checkbox"/> No | | |

☐ **Lake** - please complete this table if applying to take water from a lake

| |
|-----------|
| Lake Name |
|-----------|

☐ **Pond/Reservoir** - please complete this table if applying to take water from a pond/reservoir

| | | | | |
|---|---|--|--|----------------------------|
| Pond Name / Identifier | | | | |
| Was the pond constructed (man made)? | | | | |
| <input type="checkbox"/> Yes if yes, please provide date of construction _____ <input type="checkbox"/> No | | | | |
| Pond Size | | | | |
| Average Length | Average Width | Average Depth of Water | Maximum Depth of Water | Approximate Volume of Pond |
| Pond Type | | | | |
| Select the diagram that most accurately resembles your pond: | | | | |
|  <input type="checkbox"/> online |  <input type="checkbox"/> by-pass |  <input type="checkbox"/> connected |  <input type="checkbox"/> dugout | |
| Source of pond water (select all that apply) | | | | |
| <input type="checkbox"/> Seepage / springs / groundwater <input type="checkbox"/> Surface water runoff (including tile drains, does not include watercourse or open channel) <input type="checkbox"/> Pumped water (if water is pumped into a pond, complete section information for source from which water is pumped - i.e., well, lake or watercourse) <input type="checkbox"/> Flowing water (watercourse, open drains, ditches, etc.) | | | | |
| If "flowing water", | | | | |
| 1. Does water flow into the pond (inflow)? | | <input type="checkbox"/> Yes | <input type="checkbox"/> No | |
| If yes, is there a structure to regulate the inflow? | | <input type="checkbox"/> Yes | <input type="checkbox"/> No | If yes, describe: _____ |
| 2. Does water flow out of the pond (outflow)? | | <input type="checkbox"/> Yes | <input type="checkbox"/> No | |
| If yes, is there a control structure to regulate the outflow? | | <input type="checkbox"/> Yes | <input type="checkbox"/> No | If yes, describe: _____ |

Findlay Creek Extension Area

7. Source Information – Note: Source Information must be provided separately for each source. Please complete and submit multiple copies of this Source Information section (pages 3 and 4 of this form) if your application includes more than one source.

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| Number of Water Taking Sources Included in this Application (do not include domestic uses that do not require a permit) | | | | |
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| Source Location Information (if multiple sources are included in application, provide information for each source) | | | | |
| Civic Address - Street information (street number/name/type/direction/unit/suite/emergency 911 location number and street) N/A | | | | |
| Lot 18, 19 and 20 | Concession IV | Part | Reference Plan | |
| Municipality/Unorganised Township Ottawa | County/District Ottawa | Original Geographic Township Gloucester | | |
| Geographic (GPS) Coordinates (to be provided in Datum NAD83) | | | | |
| Method of Collection Google Earth | Accuracy Estimate +/-100 m | UTM Zone 18T | Easting 452330 | Northing 5018004 |
| Is the Applicant the owner of the site where water taking will occur? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If no, attach the owner's name, address and a signed letter granting consent for the applicant to access the water taking location | | | | |
| Is the site where water taking will occur located in an area of development control as defined by the <i>Niagara Escarpment Planning & Development Act</i> ? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | |
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| Are you aware of any complaints or impacts resulting from water takings at the site? <input type="checkbox"/> Yes if yes, please describe: _____ <input checked="" type="checkbox"/> No | | | | |
| Will water from the site be packaged in a container (bottled water, tanks)? <input type="checkbox"/> Yes if yes, what size of containers? <input type="checkbox"/> greater than 20 litres <input type="checkbox"/> 20 litres or less <input checked="" type="checkbox"/> No | | | | |
| Are wells located within 500 m of the site where water taking will occur? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No if no, what is the distance to the nearest well? _____ | | | | |
| Is municipal water available to all dwellings within 500m of the site where water taking will occur? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown | | | | |
| Estimated start date of water taking September 1, 2008 | Water taking to extend for a period of: 10 <input type="checkbox"/> days <input type="checkbox"/> weeks <input type="checkbox"/> months <input checked="" type="checkbox"/> years <input type="checkbox"/> indefinite | | | |
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| List any public consultation/notification that has occurred related to the proposed water taking (i.e., public hearings, notification of First Nations, etc.) N/A | | | | |

☒ **Watercourse** - please complete this table if applying to take water from a watercourse (i.e., stream, municipal ditch, open drain, etc.)

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| Watercourse Name Findlay Creek Extension Area | Tributary to Findlay Creek |
| Does flow in the watercourse stop at any time during the year? <input type="checkbox"/> Yes if yes, during which months? _____ For what period of time? _____ <input checked="" type="checkbox"/> No | |
| Do you move/relocate the water intake (pump)? <input checked="" type="checkbox"/> Yes if yes, please provide primary and secondary locations on attached map <input type="checkbox"/> No The location of the water taking will vary depending on the stage of work, but will be confined to the area identified as | |

Findlay Creek Extension Area

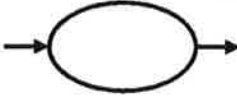

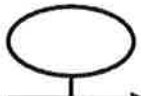
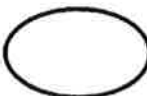
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| Has the well been deepened? | | | |
| <input type="checkbox"/> Yes if yes, what was the date of deepening? _____ <input type="checkbox"/> No | | | |
| Type of Well: <input type="checkbox"/> Drilled <input type="checkbox"/> Bored <input type="checkbox"/> Dug <input type="checkbox"/> Driven or Jetted (sandpoints/wellpoints) | | | |
| If 'Driven or Jetted', provide the following: | | | |
| Total number of sandpoints/wellpoints: _____ | | | |
| Number of interconnected sandpoint/wellpoint systems: _____ | | | |
| Can you measure the depth to water in this well? | | | |
| <input type="checkbox"/> Yes if yes, what is the depth to static water level? _____ Date Measured: _____ <input type="checkbox"/> No | | | |
| Has a pumping test been done? | | | |
| <input type="checkbox"/> Yes if yes, please attach report <input type="checkbox"/> No | | | |

☐ **Lake** - please complete this table if applying to take water from a lake

| |
|-----------|
| Lake Name |
|-----------|

☐ **Pond/Reservoir** - please complete this table if applying to take water from a pond/reservoir

| | | | | |
|---|---|--|--|----------------------------|
| Pond Name / Identifier | | | | |
| Was the pond constructed (man made)? | | | | |
| <input type="checkbox"/> Yes if yes, please provide date of construction _____ <input type="checkbox"/> No | | | | |
| Pond Size | | | | |
| Average Length | Average Width | Average Depth of Water | Maximum Depth of Water | Approximate Volume of Pond |
| Pond Type | | | | |
| Select the diagram that most accurately resembles your pond: | | | | |
|  <input type="checkbox"/> online |  <input type="checkbox"/> by-pass |  <input type="checkbox"/> connected |  <input type="checkbox"/> dugout | |
| Source of pond water (select all that apply) | | | | |
| <input type="checkbox"/> Seepage / springs / groundwater <input type="checkbox"/> Surface water runoff (including tile drains, does not include watercourse or open channel) <input type="checkbox"/> Pumped water (if water is pumped into a pond, complete section information for source from which water is pumped - i.e., well, lake or watercourse) <input type="checkbox"/> Flowing water (watercourse, open drains, ditches, etc.) | | | | |
| If "flowing water", | | | | |
| 1. Does water flow into the pond (inflow)? | | <input type="checkbox"/> Yes | <input type="checkbox"/> No | |
| If yes, is there a structure to regulate the inflow? | | <input type="checkbox"/> Yes | <input type="checkbox"/> No | If yes, describe: _____ |
| 2. Does water flow out of the pond (outflow)? | | <input type="checkbox"/> Yes | <input type="checkbox"/> No | |
| If yes, is there a control structure to regulate the outflow? | | <input type="checkbox"/> Yes | <input type="checkbox"/> No | If yes, describe: _____ |

8. Public Consultation / Environmental Bill of Rights (EBR) Requirements

| | |
|---|--|
| <p>Is this application for water taking to extend for a period of less than one year?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If no, this application may be subject to posting and/or public consultation requirements under the Environmental Bill of Rights. For more information, please refer to the Guide.</p> | |
| <p>Is this application for agricultural use or aquaculture?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If no, this application may be subject to posting and/or public consultation requirements under the Environmental Bill of Rights. For more information, please refer to the Guide.</p> | |

9. Water Taking Volumes

| Purpose Options for Water Taking | |
|----------------------------------|---|
| | Purpose |
| Agriculture | irrigation of (includes frost protection): field and pasture crops; fruit orchard; market garden/flowers; nursery; sod farm; tender fruits; tobacco, other (must specify) |
| Commercial | aquaculture, bottled water, golf course irrigation, mall/business; snowmaking, other (must specify) |
| Dewatering | pits and quarries; construction; other (must specify) |
| Industrial | aggregate washing, brewing/soft drinks, cooling water, food processing, manufacturing; pipeline testing; power generation; other (must specify) |
| Institutional | school, hospital, other (must specify) |
| Recreation | aesthetic, fish pond, wetland, other (must specify) |
| Remediation | groundwater; other (must specify) |
| Water Supply | campground, communal, municipal, other (must specify) |
| Miscellaneous | dam/reservoir, heat pump, wildlife conservation, pumping test, other (must specify) |

Water Source Information – Table A (Units in Litres)[illegible]