

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** Total Number of Lake Intakes **Total Number of Ponds** Total Number of Watercourse Intakes O O 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 Concession Part Reference Plan 18, 19 and 20 IV Municipality/Unorganised Township County/District Original Geographic Township Ottawa Ottawa Gloucester Geographic (GPS) Coordinates (to be provided in Datum NAD83) Method of Collection Accuracy Estimate UTM Zone Easting Northing +/-100 m 452376 Google Earth 18T 5019045 is the Applicant the owner of the site where water taking will occur? ✓ Yes 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? 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)? Are you aware of any complaints or impacts resulting from water takings at the site? Ш Yes if yes, please describe: v Will water from the site be packaged in a container (bottled water, tanks)? Yes If yes, what size of containers? greater than 20 litres 20 litres or less Are wells located within 500 m of the site where water taking will occur? 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? Yes No Unknown Estimated start date of water taking Water taking to days weeks months X years indefinite September 1, 2008 10 extend for a period of: Is activity subject to the Environmental Assessment Act? Yes if yes, please attach approval or Notice of Completion M If yes, did the project receive any Part II Orders / Bump-Up requests? Yes If yes, what was the date of the Minister's Decision? Decision pending 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 Tributary to **Drainage Ditch Modification Area** Findlay Creek Does flow in the watercourse stop at any time during the year? Yes if yes, during which months? For what period of time? X No Do you move/relocate the water intake (pump)? Yes If yes, please provide primary and secondary locations on attached map No The location of the water taking will vary depending on the stage of work, but will be confined to the area identified as

1895 (07/2005) Page 3 of 7 "Drainage Ditch Modification Area" on Figure 1, Rev. 1.

Drainage Ditch Modification Area

	Well - plea	ase comp	lete thi	s table if ap	plying to t	ake wat	er from a w	ell (include:	sumps for mines and	auarric	95)
	l Name / Ide				II Record N				ide name of property own		
Has	the well be	•							22(120) 3(100)		
	Ŭ Y•		, what v	vas the date	of deepen	ing?					
_	No	<u> </u>									
Тур	e of Well:	Dri	lled	Bored	Dug		Driven or Je	ted (sandpoi	nts/wellpoints)		
							If 'Driven	or Jetted', pro	ovide the following:		
							Total	number of s	andpoints/wellpoints:		
							Num	per of interco	nnected sandpoint/wellpo	oint syst	ems:
Can	you measu	re the dep	th to wa	ter in this we	11?						
	Ŭ Ye	s if yes ,	what is	s the depth t	o static wa	ıter level	?		Date Measured:		
	☐ No										
Has	a pumping			-444							
	Ye:	_	please	attach repo	rt						
_	∐ No										
-											
		ase comp	lete th	is table if ap	plying to	lake wal	er from a la	ke			
Lake	Name										
	Pond/Res	ervoir - p	lease o	complete th	is table if a	applying	to take wa	ter from a p	ond/reservoir		
	Name / Ide					117.3			577677 500 7517		
Was	the pond of		,	•							
	∐ Yes	if yes,	please	provide date	of constri	uction					
_	No						AL				
	i Size age Length		I Av	erage Width		Avers	ige Depth of	Water	Maximum Dooth of W	later	Approximate Values of Dead
			1,	orago maar		Aveia	ige Deptil Of	vvaler	Maximum Depth of W	ater	Approximate Volume of Pond
Pond	I Туре										
Sele	ct the diagra	m that mo	st accur	rately resemb	oles your po	ind:					
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	_					_ <i>y</i> →		-			
		online			by-	-pass			connected		dugout
Sour	ce of pond v	-									
H	Seepage /										
님				ng tile drains,							
님							ion informati	on for source	from which water is pum	ped - i.e	e., well, lake or watercourse)
Ц			course,	open drains,	ditches, etc	3.)					
	If "flowing							_			
				pond (inflow)			Yes	No No			
	lf yes, i	is there a s	tructure	to regulate t	he inflow?		Yes	☐ No	If yes, describe:		
	2. Does v	water flow	out of th	e pond (outfl	ow)?		Yes	☐ No			
	lf ves. i	s there a c	ontrol si	tructure to re	gulate the c	utflow?	Yes	☐ No	If ves. 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.

Number of Water Taking Sources Included in this Application (do not include domestic uses that do not require a permit)

Total Number of Wells

Total Number of Lake Intakes

Total Number of Ponds

Total Number of Watercourse Intak

Number of Water Taking Sources Inc	luded in this Application (do no	t include de	mestic uses the	et do not require	a permit)		
Total Number of Wells	Total Number of Lake Intake	es	Total Number	of Ponds	Total N	Number of Water	ercourse Intakes
0	0		1		N	2	
Source Location Information (if multip	le sources are included in appl	ication, pro	vide information	for each sourc	9)		
Civic Address - Street information (str N/A	'өөt number/name/type/directio.	n/unit/suite	/emergency 911	location numb	er and street)		
Lot	Concession		Part		Refe	rence Plan	
18, 19 and 20	IV				0.2		
Municipality/Unorganised Township	County/District	t	Q	Or	iginal Geograph		
Ottawa	Ottawa			U	Glouces	ster	
Geographic (GPS) Coordinates (to be							
	ccuracy Estimate +/-100 m	UTM Zon	1	452330	1	Northing 5018	004
Google Earth	+/-100 m	10		452550		3010	
is the Applicant the owner of the site	where water taking will occur?						
✓ Yes							
	vner's name, address and a s						
Is the site where water taking will occur					•		
Is the site where water taking will occuregulation made under the Oak Ridge	ur located on the Oak Ridges Mes Moraine Conservation Act)?	foraine Cor	nservation Area	as defined by th	ne Oak Ridges N	Noraine Conser	vation Plan (a
Are you aware of any complaints or in	nnacts resulting from water taki	ings at the	eito?				
Yes if yes, please des		ings at the t	яю г				
No No	4 AI		***************************************				
Will water from the site be packaged i	n a container (bottled water, tar	nks)?		***			
Yes If yes, what size	of containers? great	ter than 20	litres 🔲 2	0 litres or less			
✓ No							
Are wells located within 500 m of the s	site where water taking will occu	ur?					
No if no, what is the d	istance to the nearest well?						
Is municipal water available to all dwe		here water	taking will occur	?			
X Yes No	Unknown		•				
Estimated start date of water taking September 1, 2008	Water taking to extend for a period of:)	days	weeks	months	X years	indefinite
Is activity subject to the Environmenta	Assessment Act?	-	=				
Yes if yes, please attack	ch approval or Notice of Com	pletion					
√ No							
If yes, did the project receive any Part	II Orders / Bump-Up requests?	•					
Yes if yes, what was t	the date of the Minister's Dec	islon?				ecision pendin	g
☐ No		===					
List any public consultation/notification	that has occurred related to th	e proposed	water taking (i.	e., public hearlr	gs, notification	of First Nations	, etc.)
N/A							
Watercourse - please comple	te this table if applying to ta	ke water t	rom a waterco	ourse (i.e., stre	am. municipal	l ditch open d	frain etc.)
Watercourse Name			Tributary to	And the same	,	unterry operit	7
Findlay Creek Extension A	rea		Findley	Creek			
Does flow in the watercourse stop at a			Indiay	OTOOK			
Yes if yes, during whi	ch months?		For wha	at period of time	?		d
X No	71				****		
Do you move/relocate the water intake							
Yes if yes, please prov	vide primary and secondary is	ocations o	n attached map	•			
No The location of the	e water taking will vary depo	ending on	the stage of	work, but will	be confined to	the area ide	ntified as

Findlay Creek Extension Area

☐ Well - /	olease complete	e this table if applying to ta	ske water from a	well (includes	sumps for mines and quarrie	s)
Well Name		Water Well Record Nu			de name of property owner at tim	
Has the well	been deepened?	2				
	•	· hat was the date of deepeni	ina?			
	No	ner were and date of despoin				
Type of Wei		Bored Dug	Driven or	Jetted (sandpoir	nte/wellnointe)	
.,,			_		vide the following:	
					andpoints/wellpoints:	
					nnected sandpoint/wellpoint syste	ome.
Can you me	asure the depth to	to water in this well?				
	•	hat is the depth to static wa	ter level?		Date Measured:	
	No		K 		-	*11 · · · · · · · · · · · · · · · · · ·
Has a pump	ng test been don	ie?				
		ease attach report				
Щ	No					
	please complet	te this table if applying to t	ake water from	a lake		
Lake Name						
☐ Pond/R	eservoir - plea	ase complete this table if a	pplying to take	water from a p	ond/reservoir	
Pond Name						
	d constructed (ma Yes if ves. ple	an made)? ease provide date of constru	41			
=	195 11 yes, pie No	ase brosine date of coustry				
Pond Size	10	1900				
Average Len	gth	Average Width	Average Depth	of Water	Maximum Depth of Water	Approximate Volume of Pond
Pond Type	aram that most a	accurately resembles your po				
Select the dia	gram mat most a	accurately resembles your pol	na:		$\overline{}$	
→()_	+ ()	()	()
		<i>></i>	<u> </u>	_	<u> </u>	
	online	□ bv-	pass		connected	dugout
Source of por	nd water (select a				Connected	
Seepa	ge / springs / grou	undwater				
Surface	water runoff (inc	cluding tile drains, does not in	clude watercours	e or open chann	el)	
Pumpe	d water (if water i	is pumped into a pond, comp	lete section inform	nation for source	from which water is pumped - i.e	., well, lake or watercourse)
Flowing	j water (watercou	urse, open drains, ditches, etc	;.)			
If "flowi	ng water",					
1. Do	as water flow into	the pond (inflow)?	☐ Yo	es 🗌 No		
If ye	s, is there a struc	cture to regulate the inflow?	□ Ye	s No	If yes, describe:	
2. Do	es water flow out	of the pond (outflow)?	Ye	es No		
If ve	s, is there a cont	trol structure to requiate the o	utflow?	s 🗆 No	If yes, describe:	

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

Is this application for water taking to extend for a period of less than one year?

Yes No Rights. For more information, please refer to the Guide.

Is this application for agricultural use or aquaculture?

Yes No Rights. For more information may be subject to posting and/or public consultation requirements under the Environmental Bill of Rights. For more information, please refer to the Guide.

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)

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Source Name	Purpose (select from *purpose" column in table above)	Maximum rate per minute	Maximum number of hours of taking a day	Maximum volume per day	Typical volume per day	Maximum number of days of taking in a year	Earliest calendar date of taking (mm/dd)	Latest calendar date of taking (mm/dd)
Trench Sump	Construction	11,820	24	17,020,800	variable	365	01/01	12/31
Drainage Ditch Modification Area	Construction	2,083	24	3,000,000	1,000,000	365	01/01	12/31
Findlay Creek Extension Area		6,944	24	10,000,000	1,500,000	365	01/01	12/31
22.24.101								
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1 1	1							
- 55 56.124 56.125								er. ville in the