Appendix F

COMMUNICATIONS

Appendix F Directory

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Appendix F-1

List of Stakeholders

Class EA Contact List

Date Updated: 2022/07/04

First Name	Last Name	Title	Company/Organization	Address 1	Address 2	City	Province	Postal Code	Telephone	Email	[redacted]	Date Added to List	Notice of Commencement (Email)	Notice of Commencement (Letter)	Notice of PCC1	Notice of PCC2	Notice of PCC3
Federal Agencies																	
Cynthia	Mitton-Wilkie	Senior Biologist, Ontario - Great Lakes Area	Fisheries and Oceans Canada	Suite 304	3027 Harvester Road	Burlington	ON	L7R 4K3	905-639-1632	cynthia.mitton-wilkie@dfo-mpo.gc.ca			Emailed 04-15-20		Emailed 06-18-20	Emailed 05-11-21; Mailed 2021-05-07	Email - 2/8/22
Tim	Palmeter	Regional Director	Public Services and Procurement Canada	11th Floor	4900 Yonge Street	Willowdale	ON	N2N 6A6						Mail - 4/13/20	Mailed - 6/16/20	Mailed 2021-05-07	Mailed - 2/4/2022
Provincial Agencies																	
Joan	Del Villar Cuicas	EA/Planning Coordinator, West Central Region	Ministry of the Environment Conservation and Parks	12th Floor	119 King Street West	Hamilton	ON	L8P 4Y7		Joan.DelVillarCuicas@ontario.ca						Emailed 05-11-21; Mailed 2021-05-07	Email - 2/8/22
Amy	Shaw	District Manager, Guelph District Office	Ministry of the Environment Conservation and Parks	4th Floor	1 Stone Road Wes	Guelph	ON	N1G 4Y2	519-826-4258	amy.shaw@ontario.ca			Emailed 04-15-20		Emailed 06-18-20	Emailed 05-11-21; Mailed 2021-05-07	Email - 2/8/22
Trevor	Heywood	Planner, for Wilmot, Waterloo, and Woolwich	Grand River Conservation Authority	P.O. Box 729	400 Clyde Road	Cambridge	ON	N1R 5W6	519-621-2763 ext. 2292	theywood@grandriver.ca			Emailed 04-15-20		Emailed 06-18-20	Emailed 05-11-21; Mailed 2021-05-07	Email - 2/8/22
Erick	Boyd	Manager, Community Planning and Development	Ministry of Municipal Affairs & Housing, Municipal Services Office - Western	2nd Floor	659 Exeter Road	London	ON	N6E 1L3	519-873-4025	erick.boyd@ontario.ca			Emailed 04-15-20		Emailed 06-18-20	Emailed 05-11-21; Mailed 2021-05-07	Email - 2/8/22
Karina	Cerniavskaja	District Planner	Ministry of Natural Resources, Guelph District Office		1 Stone Road West	Guelph	ON	N1G 4Y2		Karina.Cerniavskaja@ontario.ca		18-May-21				Mailed 2021-05-07	Email - 2/8/22
David	Marriott	District Planner	Ministry of Natural Resources, Guelph District Office		1 Stone Road West	Guelph	ON	N1G 4Y2	519-826-4926	david.marriott@ontario.ca			Emailed 04-15-20		Emailed 06-18-20	Emailed 05-11-21; Mailed 2021-05-07	Email - 2/8/22
			Ministry of the Attorney General	11th Floor	720 Bay Street	Toronto	ON	M5G 2K1							Mailed - 6/16/20	Mailed 2021-05-07	
Chris	Stack	Manager, West Region	Ministries of Citizenship and Immigration, Tourism, Culture and Sport	2nd Floor	4275 King Street	Kitchener	ON	N2P 2E9	519-650-3421	chris.stack@ontario.ca			Emailed 04-15-20		Emailed 06-18-20	Emailed 05-11-21; Mailed 2021-05-07	Email - 2/8/22
Shari	Prowse	Archeology Review Officer	Ministry of Tourism, Culture and Sport, Culture Programs Unit, Program & Services Branch		900 Highbury Avenue	London	ON	N5Y 1A4	519-675-6898	shari.prowse@ontario.ca			Emailed 04-15-20		Emailed 06-18-20	Emailed 05-11-21; Mailed 2021-05-07	Email - 2/8/22
Karla	Barboza	Heritage Team Lead	Ministry of Tourism, Cultue, and Sport: Culture Division	Suite 1700	401 Bay Street	Toronto	ON	M7A 0A7		karla.barboza@ontario.ca		15-Apr-20			Emailed 06-18-20	Emailed 05-11-21; Mailed 2021-05-07	Email - 2/8/22
Katherine	Kirzati	Heritage Planner	Ministry of Tourism, Cultue, and Sport: Culture Division	Suite 1700	401 Bay Street	Toronto	ON	M7A 0A7		katherine.kirzati@ontario.ca		15-Apr-20			Emailed 06-18-20	Emailed 05-11-21; Mailed 2021-05-07	Undeliverable
Ashley	Johnson	Indigenous Relations Unit	Ministry of Indigenous Affairs	Suite 400	160 Bloor St. E	Toronto	ON	M7A 2E6	416-326-4214	Ashley.Johnson@ontario.ca			Emailed 04-15-20		Emailed 06-18-20	Emailed 05-11-21	Email - 2/8/22
Heather	Levecque	Director, Indigenous Relations Branch	Ministry of Indigenous Affairs	Suite 400	160 Bloor St. E	Toronto	ON	M7A 2E6	416-325-7032	heather.levecque@ontario.ca			Emailed 04-15-20		Emailed 06-18-20	Emailed 05-11-21	Email - 2/8/22
			Infrastructure Ontario	Suite 2000	1 Dundas St. W	Toronto	ON	M5G 1Z3		NoticeReview@infrastructureontario.ca		14-Mar-22	Emailed 04-15-20 to previous contact		Emailed 06-18-20 to previous contact	Emailed 05-11-21 and Mailed 2021-05-07 to previous contact	Email - 2/8/22 to previous contact
Tate	Kelly	Planning Coordintaor	Infrastructure Ontario	Suite 2000	1 Dundas St. W	Toronto	ON	M5G 1Z3						Mail - 4/13/20	Mailed - 6/16/20	Emailed 05-11-21; Mailed 2021-05-07	Mailed - 2/4/2022
Fid	Leonard	Director, Asset Management South Region	Infrastructure Ontario	Suite 2000	1 Dundas St. W	Toronto	ON	M5G 1Z3	519-837-6372	fid.leonard@infrastructureontario.ca			Emailed 04-15-20		Emailed 06-18-20	Emailed 05-11-21; Mailed 2021-05-07	Email - 2/8/22
			Ministry of Health and Long-Term Care	Suite 2100	393 University Aver	Toronto	ON	M7A 2S1	416-327-7624	environmentalhealth@ontario.ca			Emailed 04-15-20		Emailed 06-18-20	Emailed 05-11-21; Mailed 2021-05-07	Email - 2/8/22
David	Marriott	Rural Planner	Ministry of Agriculture, Food, and Rural Affairs						519-766-5990	david.marriott@ontario.ca		04-May-20	Emailed May 4, 2020			Emailed 05-11-21; Mailed 2021-05-07	Email - 2/8/22
Indigenous Communities																	
Lonny	Bomberry	Director, Land and Resource Department	Six Nations of the Grand River Territory		2498 Chiefswood Road, PO Box 5000	Ohsweken	ON	N0A 1M0		lbomberry@sixnations.ca			Emailed 04-15-20		Emailed 06-18-20	Emailed 05-11-21; Mailed 2021-05-07	Email - 2/8/22 / Mailed 4/7/22
Paul	General	Wildlife Manager, Six Nations Wildlife Management Office	Six Nations of the Grand River Territory	Unit 109	1721 Iroquois Village Plaza, P.O. Box 5000	Ohsweken	ON	N0A 1M0		pgeneral@sixnations.ca			Emailed 04-15-20		Emailed 06-18-20	Emailed 05-11-21; Mailed 2021-05-08	Undeliverable to email / Mailed 4/7/22
			Six Nations of the Grand River Territory		1695 Chiefswood Road, P.O. Box 5000	Ohsweken	ON	N0A 1M0		arleenma@sixnations.ca		17-Apr-20			Emailed 06-18-20; Mailed - 6/16/20	Emailed 05-11-21; Mailed 2021-05-09	Undeliverable to email / Mailed 4/7/22
Mark	Hill	Chief	Six Nations of the Grand River Territory		1695 Chiefswood Road, P.O. Box 5000	Ohsweken	ON	N0A 1M0		markhill@sixnations.ca		17-Apr-20			Emailed 06-18-20; Mailed - 6/16/20	Emailed 05-11-21; Mailed 2021-05-10	Email - 2/8/22 / Mailed 4/7/22
Leroy	Hill	Secretary	Six Nations Haudenosaunee Confederacy Council	Suite 600	16 Sunrise Court, P.O. Box 714	Ohsweken	ON	N0A1M0		jocko@sixnations.ca			Emailed 04-15-20		Mailed - 6/16/20	Mailed 2021-05-07	Undeliverable to email / Mailed 4/7/22

Tracey	General		Haudenosaunee Confederacy Council	Suite 600	16 Sunrise Court, P.O. Box 714	Ohsweken	ON	N0A1M0	519-445-4222	hdi2@bellnet.ca	[redacted]	31-Jan-22					Undeliverable to email / Mailed 4/7/22
Chief R. Stacey	LaForme		Mississaugas of the New Credit First Nation		2789 Mississauga Road, RR # 6	Hagersville	ON	N0A 1H0	905-768-0100	Stacey.Laforme@newcreditfirstnation.com			Emailed 04-15-20		Emailed 06-18-20	Emailed 05-11-21; Mailed 2021-05-10	Email - 2/8/22 / Mailed 4/7/22
			Mississaugas of the New Credit First Nation		4065 Hwy 6	Hagersville	ON	N0A 1H0	905-768-4260	MCFN.Consultation@mncfn.ca OR DOCA.Admin@mncfn.ca		14-Mar-22	Emailed 04-15-20 to previous contact		Emailed 06-18-20 to previous contact	Emailed 05-11-21 and Mailed 2021-05-07 to previous contact	Email - 2/8/22 to previous contact / Mailed 4/7/22
Local Area Municipalities																	
Jeff	Molenhuis	Director of Public Works	Township of Wilmot		60 Snyder's Road West	Baden	ON	N3A 1A1	519-634-8444	jeff.molenhuis@wilmot.ca			Emailed 04-15-20		Emailed 06-18-20	Emailed 05-11-21; Mailed 2021-05-10	Email - 2/8/22
Dawn	Mittelholtz	Clerk	Township of Wilmot		60 Snyder's Road West	Baden	ON	N3A 1A1						Mail - 4/13/20	Mailed - 6/16/20	Mailed 2021-05-07	Mailed - 2/4/2022
Bryan	Bishop	Manager of Engineering	Township of Wilmot		60 Snyder's Road West	Baden	ON	N3A 1A1	519-634-8444 ext. 239	bryan.bishop@wilmot.ca		02-Apr-20	Emailed 04-15-20		Emailed 06-18-20	Emailed 05-11-21; Mailed 2021-05-10	Email - 2/8/22
Mark	Jeffrey	Senior Engineering Technologist	Township of Wilmot		60 Snyder's Road West	Baden	ON	N3A 1A1	P. 519.634.8444 x 263	engineering@wilmot.ca		08-Jul-20				Emailed 05-11-21; Mailed 2021-05-10	Email - 2/8/22
Angie	Hallman	Councillor	Township of Wilmot		60 Snyder's Road West	Baden	ON	N3A 1A1	519-998-3983	angie.hallman@wilmot.ca		24-Apr-20			Emailed 06-18-20	Emailed 05-11-21; Mailed 2021-05-10	Email - 2/8/22
Special Interest Groups (municipal affiliation)																	
Kate	Hagerman	Region of Waterloo Ecological and Environmental Advisory Committee	Region of Waterloo	8th Floor	150 Frederick Street	Kitchener	ON	N2G 4J3	519-575-4501	KHagerman@regionofwaterloo.ca			Emailed 04-15-20		Emailed 06-18-20	Emailed 05-11-21; Mailed 2021-05-10	Email - 2/8/22
Bridget	Coady	Region of Waterloo Heritage Planning Advisory Committee	Region of Waterloo	8th Floor	150 Frederick Street	Kitchener	ON	N2G 4J3	(519) 575-4500 x. 3112	bcoady@regionofwaterloo.ca			Emailed 04-15-20		Emailed 06-18-20	Emailed 05-11-21; Mailed 2021-05-11	Email - 2/8/22
Tracy	Loch	Heritage Wilmot	Township of Wilmot		60 Snyder's Road West	Baden	ON	N3A 1A1	519-634-8444	tracy.loch@wilmot.ca				Mail - 4/13/20	Emailed 06-18-20	Emailed 05-11-21; Mailed 2021-05-12	Email - 2/8/22
Regional Contacts																	
Mike	Henderson	Manager, Transportation Program Development	Region of Waterloo	7th Floor	150 Frederick St.	Kitchener	ON	N2G 4J3		MHenderson@regionofwaterloo.ca			Emailed 04-15-20		Emailed 06-18-20	Emailed 05-11-21; Mailed 2021-05-12	Email - 2/8/22
Brenna	MacKinnon	Planner	Region of Waterloo							BMacKinnon@regionofwaterloo.ca		02-Apr-20	Emailed 04-15-20		Emailed 06-18-20	Emailed 05-11-21	Email - 2/8/22
David	Welwood	Planner, Wilmot Region	Region of Waterloo							DWelwood@regionofwaterloo.ca		02-Apr-20	Emailed 04-15-20		Emailed 06-18-20	Emailed 05-11-21	Email - 2/8/22
Additional Special Interest Groups (optional)																	
Kevin	Fergin	President	Waterloo Region Home Builders Association		625 King Street East, Suite 1C	Kitchener	ON	N2G 4V4						Mail - 4/13/20	Mailed - 6/16/20	Mailed 2021-05-07	Mailed - 2/4/2022
John	Scott		New Dundee Board of Trade		1028 Queen St	New Dundee	ON	N0B2E0	519-696-2020	https://newdundee.ca/contact-us/		14-Jan-20	Emailed 04-15-20		Mailed - 6/16/20	Emailed 05-11-21; Mailed 2021-05-12	Undeliverable
			Optimist Club of New Dundee		P.O. Box 1	New Dundee	ON	N0B 2E0		info@newdundeeoptimists.ca		14-Jan-20	Emailed 04-15-20		Emailed 06-18-20	Emailed 05-11-21; Mailed 2021-05-12	Email - 2/8/22
Pauline	Stirling	President	New Dundee's Women's Institute						519-696-2682			14-Jan-20	Emailed 04-15-20				
			Wilmot Horticulture Society							wilmothortsociety@gmail.com		14-Jan-20	Emailed 04-15-20		Emailed 06-18-20	Emailed 05-11-21	Email - 2/8/22
Michele	Baumgarten		Bechtel Motors							MBaumgarten@bechtelmotors.com		24-Apr-20			Emailed 06-18-20	Emailed 05-11-21	Email - 2/8/22
Utilities, Railways, and Commercial																	
			Zayo (Owner of Allstream)		80 Worcester Road	Etobicoke	ON	M9W 5X2	Telephone: 416-649-7539 Mobile: 416-727-5811	utility.circulations@zayo.com			Emailed 04-15-20		Emailed 06-18-20	Emailed 05-11-21	Email - 2/8/22
John	Stephens	Manager of Field Operations for Waterloo, Wellington and Hamilton	Atria Networks Inc.						1-888-623-0623 #4516	jstephens@atrianetworks.com			Emailed 04-15-20		Emailed 06-18-20	Emailed 05-11-21; Mailed 2021-05-12	Undeliverable
Daniel	Steffler	Kitchener/Waterloo	Bell Canada	Access Network Provisioning	575 Riverbend Drive, 1st Floor	Kitchener	ON	N2K 3S3	519-744-0569	daniel.steffler@bell.ca			Emailed 04-15-20		Emailed 06-18-20	Emailed 05-11-21; Mailed 2021-05-12	Email - 2/8/22
Sue	Thompson	Coordinator - Cambridge	Bell Canada	Access Network Provisioning	575 Riverbend Drive, 1st Floor	Kitchener	ON	N2K 3S3						Mail - 4/13/20	Mailed - 6/16/20	Mailed 2021-05-07	Mailed - 2/4/2022
Russell	McLean		Enbridge Gas Distribution Inc.	P.O. Box 650		Scarborough,	ON	M1K 5E3	416-447-4911					Mail - 4/13/20	Mailed - 6/16/20	Mailed 2021-05-07	Mailed - 2/4/2022
Enbridge Pipeline			Enbridge Pipeline							est.reg.crossing@enbridge.com							Email - 2/8/22
			Hydro One Networks Inc.							SecondaryLandUse@HydroOne.com		08-Jul-20	Emailed 04-15-20		Emailed 06-18-20	Emailed 05-11-21	Email - 2/8/22
Sandy	Ferneyhough	Distribution Design Supervisor	Kitchener-Wilmot Hydro Inc.	P.O. Box 9010	301 Victoria Street South	Kitchener	ON	N2G 4L2	519-745-4771 #209					Mail - 4/13/20	Mailed - 6/16/20	Mailed 2021-05-07	Mailed - 2/4/2022
Bruce	McKague	Engineering Manager	Kitchener-Wilmot Hydro Inc.	P.O. Box 9010	301 Victoria Street South	Kitchener	ON	N2G 4L2	519-745-4771 #209					Mail - 4/13/20	Mailed - 6/16/20	Mailed 2021-05-07	Mailed - 2/4/2022
Richard	Bolliger	Outside Plant Engineering	Rogers Cablesystems Inc.	P.O. Box 488	85 Grand Crest Place	Kitchener	ON	N2G 4A8	519-894-8188 #8142					Mail - 4/13/20	Mailed - 6/16/20	Mailed 2021-05-07	Mailed - 2/4/2022
Robert	Quick		Telus	82 Locust Street		Kitchener	ON	N2H 1W9						Mail - 4/13/20	Mailed - 6/16/20	Mailed 2021-05-07	Mailed - 2/4/2022
Kevin	Schimus	Distribution System Development	Union Gas Ltd.	P.O. Box 340	603 Kumpf Drive	Waterloo	ON	N2J 1K3	519-885-7513	kschimus@uniongas.com			Emailed 04-15-20		Emailed 06-18-20	Emailed 05-11-21; Mailed 2021-05-12	Email - 2/8/22
Rick	Bigelow	Utilities Service Manager	Union Gas Ltd.	P.O. Box 340	603 Kumpf Drive	Waterloo	ON	N2V 1K3	519-885-7405					Mail - 4/13/20	Mailed - 6/16/20	Mailed 2021-05-07	Mailed - 2/4/2022
Rocket	Wei	Technician Supervisor	Waterloo-North Hydro Inc.	P.O. Box 640	526 Country Squire Rd.	Waterloo	ON	N2J 4A3						Mail - 4/13/20	Mailed - 6/16/20	Mailed 2021-05-07	Mailed - 2/4/2022
			Kitchener Utilities		131 Goodrich Drive	Kitchener	ON	N2C 2E8	519-741-2529					Mail - 4/13/20	Mailed - 6/16/20	Mailed 2021-05-07	Mailed - 2/4/2022
Interested to Join Mailing List																	
[redacted]										[redacted]@rogers.com	Email provided only.	20-Apr-20			Emailed 06-18-20	Emailed 05-11-21	Emailed 02-08-22
										[redacted]@gmail.com	Email provided only.	22-Apr-20			Emailed 06-18-21	Emailed 05-11-21	Emailed 02-08-22
										[redacted]@jwebercontracting.com	Email provided only.	24-Apr-20			Emailed 06-18-22	Emailed 05-11-21	Emailed 02-08-22
										[redacted]@rogers.com	Email provided only.	29-Apr-20			Emailed 06-18-23	Emailed 05-11-21	Undeliverable
										[redacted]@connect.uwaterloo.ca	Email provided only.	29-Apr-20			Emailed 06-18-24	Emailed 05-11-21	Emailed 02-08-22
										[redacted]@gmail.com	Email provided only.	29-Apr-20			Emailed 06-18-25	Emailed 05-11-21	Emailed 02-08-22
										[redacted]@yahoo.com	Email provided only.	04-May-20			Emailed 06-18-26	Emailed 05-11-21	Emailed 02-08-22
										[redacted]@manulife.com	Email provided only.	04-May-20			Emailed 06-18-27	Emailed 05-11-21	Emailed 02-08-22
										[redacted]@ritrucks.com	Email provided only.	08-Jul-20				Emailed 05-11-21	Emailed 02-08-22
										[redacted]@golden.net	Email provided only.	18-May-21					Emailed 02-08-22
										[redacted]@sympatico.ca	Email provided only.	18-May-21					Emailed 02-08-22
										[redacted]@kwglass.com	Email provided only.	02-Jun-21					Emailed 02-08-22
										[redacted]@gmail.com	Email provided only.	22-Mar-22					New Contact post PCC3, Comments respoonded

Class EA Contact List

Date Updated: 2022/05/12

Physical Location	Municipality	Mailing1	Mailing2	Mailing3	City Province	PostalCode	Added to List	Notice of Commencement (Letter)	Notice of PCC1 (Letter)	Notice of PCC2 (Letter)	Notice of PCC3 (Letter)
[redacted]	Wilmot	[redacted]	[redacted]	[redacted]	KITCHENER ON	N2R 1L5	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
	Wilmot				NEW DUNDEE ON	N0B 2E0

	Wilmot				NEW DUNDEE ON	N0B 2E0	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
	Wilmot				NEW HAMBURG ON	N3A 3C5	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
	Wilmot				NEW DUNDEE ON	N0B 2E0	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
	Wilmot				NEW DUNDEE ON	N0B 2E0	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
	Wilmot				NEW DUNDEE ON	N0B 2E0	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22 RETURN TO SENDER
	Wilmot				NEW DUNDEE ON	N0B 2E0	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
	Wilmot				KITCHENER ON	N2A 1K1	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
	Wilmot				NEW DUNDEE ON	N0B 2E0

[redacted]	Wilmot	[redacted]		[redacted]	[redacted]	NEW DUNDEE ON	N0B 2E0	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
	Wilmot					NEW DUNDEE ON	N0B 2E0	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
	Wilmot					NEW DUNDEE ON	N0B 2E0	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
	Wilmot					NEW DUNDEE ON	N0B 2E0	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22 RETURN TO SENDER
	Wilmot					NEW DUNDEE ON	N0B 2E0	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22

[redacted]	Wilmot	[redacted]	[redacted]	[redacted]	NEW DUNDEE ON	N0B 2E0	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
	Wilmot				NEW DUNDEE ON	N0B 2E0	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
	Wilmot				NEW DUNDEE ON	N0B 2E0	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
	Wilmot				NEW DUNDEE ON	N0B 2E0	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
	Wilmot				NEW DUNDEE ON	N0B 2E0	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
	Wilmot				NEW DUNDEE ON	N0B 2E0	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
	Wilmot				NEW DUNDEE ON	N0B 2E0	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
	Wilmot				NEW DUNDEE ON	N0B 2E0	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
	Wilmot				NEW DUNDEE ON	N0B 2E0	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
	Wilmot				NEW DUNDEE ON	N0B 2E0	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
	Wilmot				NEW DUNDEE ON	N0B 2E0	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
	Wilmot				NEW DUNDEE ON	N0B 1E0	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
	Wilmot				NEW DUNDEE ON	N0B 2E0	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
	Wilmot				NEW DUNDEE ON	N0B 2E0	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
	Wilmot				NEW DUNDEE ON	N0B 2E0	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
	Wilmot				NEW DUNDEE ON	N0B 2E0	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
	Wilmot				NEW DUNDEE ON	N0B 2E0	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
	Wilmot				NEW DUNDEE ON	N0B 2E0	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
	Wilmot				NEW DUNDEE ON	N0B 2E0	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
	Wilmot				NEW DUNDEE ON	N0B 2E0	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
	Wilmot				NEW DUNDEE ON	N0B 2E0	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
	Wilmot				NEW DUNDEE ON	N0B 2E0	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
	Wilmot				NEW DUNDEE ON	N0B 2E0	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
	Wilmot				NEW DUNDEE ON	N0B 2E0	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
	Wilmot				NEW DUNDEE ON	N0B 2E0	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
	Wilmot				NEW DUNDEE ON	N0B 2E0	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
	Wilmot				KITCHENER ON	N2N 1B5	10-Mar-20	Mailed - 4/13/20	Mailed - 6/16/20	Mailed - 5/7/21	Mailed - 2/4/22
					NEW DUNDEE ON	N0B 2E0	26-Apr-21			Mailed - 5/7/21	Mailed - 2/4/22
					NEW DUNDEE ON	N0B 2E0	26-Apr-21			Mailed - 5/7/21	Mailed - 2/4/22
					NEW DUNDEE ON	N0B 2E0	26-Apr-21			Mailed - 5/7/21	Mailed - 2/4/22
					KITCHENER ON	N2E 2W5	26-Apr-21			Mailed - 5/7/21	Mailed - 2/4/22
					KITCHENER ON	N2C 2R5	26-Apr-21			Mailed - 5/7/21	Mailed - 2/4/22
					NEW DUNDEE ON	N0B 2E0	26-Apr-21			Mailed - 5/7/21	Mailed - 2/4/22
					NEW DUNDEE ON	N0B 2E0	26-Apr-21			Mailed - 5/7/21	Mailed - 2/4/22
					NEW DUNDEE ON	N0B 2E0	26-Apr-21			Mailed - 5/7/21	Mailed - 2/4/22
					BRAMPTON ON	L6P 0L6	26-Apr-21			Mailed - 5/7/21	Mailed - 2/4/22
					NEW DUNDEE ON	N0B 2E0	26-Apr-21			Mailed - 5/7/21	Mailed - 2/4/22
					NEW DUNDEE ON	N0B 2E0	26-Apr-21			Mailed - 5/7/21	Mailed - 2/4/22
					NEW DUNDEE ON	N0B 2E0	26-Apr-21			Mailed - 5/7/21	Mailed - 2/4/22
					KITCHENER ON	N2M 2H3	26-Apr-21			Mailed - 5/7/21	Mailed - 2/4/22

Appendix F-2

Comment Log

New Dundee Water Supply System Iron and Manganese Treatment Upgrades Class EA

Indigenous Communities, Agency, and Public Comments Log

RVA Action Item
Region Action Item

	Agency Name or Public	Contact Name	Status with Respect to the New Dundee Water Supply System	Email	Phone Number	Date Received	Summary of Comment	Action	Summary of Response to Stakeholder	Date Returned	Follow up Action	Follow Up Contact Point	Follow up action completed?
A.	**Comments Received for Notice of Commencement**												
1	Region of Waterloo	Bridget Coady		Bcoady@regionofwaterloo.ca		15-Apr-20	Please provide more information on project, specifically a more detailed explanation of land acquisition	Region of Waterloo responded	More information on land acquisition given, also info on background studies to be conducted	15-Apr-20	To provide the information to the Region when it becomes available.	RVA	No
2	MECP	Barb Slattery		barbara.slattery@ontario.ca		15-Apr-20	Please email the MECP an official Notification through the process described in the email	RVA to email EA Notification to the MECP through MECP designated email	No response needed, to complete action that email requires.	15-Apr-20	N/A	N/A	N/A
3	Ministry of Heritage, Sport, Tourism, and Culture Industries (MHSTCI)	Karla Barboza		Karla.Barboza@ontario.ca		15-Apr-20	Update EA Contact List for the MHTSCI contacts	RVA to update the EA Contact List for future Notices	Confirmed RVA would update list to MHTSCI	15-Apr-20	N/A	N/A	N/A
4	Local Resident	[redacted]				20-Apr-20	Add wife Elaine Ablitt to contact list, and inquiry about a sewer assessment in New Dundee	Added to the EA contact list, respond regarding the sewer assessment.	Contact Wilmot Township to inquire about a sewer assessment in New Dundee	20-Apr-20	N/A	N/A	N/A
5	Local Resident					22-Apr-20	Please add email to contact list	Added to EA Contact list.	Stated that they had been added to the contact list.	22-Apr-20	N/A	N/A	N/A
6	Township of Wilmot	Councillor Angie Hallman	Township Councillor	angie.hallman@wilmot.ca		24-Apr-20	Please add email to contact list	Added to EA Contact list.	Stated that they had been added to the contact list.	24-Apr-20	N/A	N/A	N/A
7	Local Resident					24-Apr-20	Please add email to contact list	Added to EA Contact list.	Stated that they had been added to the contact list.	24-Apr-20	N/A	N/A	N/A
8	Local Business					24-Apr-20	Please add email to contact list	Added to EA Contact list.	Stated that they had been added to the contact list.	24-Apr-20	N/A	N/A	N/A
9	Local Resident					24-Apr-20	Resident was unsure of how the study would affect them as they are on private well water supply.	Respond to email to answer their inquiry.	The Region stated that the treatment portion likely would not affect them, but there is a land acquisition portion they may want to provide some say in this matter.	24-Apr-20	Monitor if they have any other questions, or wish to be removed from the Contact list in future.	RVA	Resident no longer at this address, removed from contact list
10	Local Resident					27-Apr-20	Please add email to contact list	Added to EA Contact list.	Stated that they had been added to the contact list.	27-Apr-20	N/A	N/A	N/A
11	Local Resident					27-Apr-20	Please add email to contact list	Added to EA Contact list.	Stated that they had been added to the contact list.	27-Apr-20	N/A	N/A	N/A
12	Region of Waterloo	Bridget Coady		Bcoady@regionofwaterloo.ca		27-Apr-20	Forwarded information about the Cultural and Archaeological heritage information pertinent to the study area. Also stated that they had been in contact with Archeoworks (RVA Cultural/Archeological subconsultant) regarding this study area.	Forwarded the information to RVA's Cultural and Archaeological subconsultant Archeoworks for review on April 29, 2020. Also added Tracy Loch's email address to the contact list.	Thanked them for sending the information	27-Apr-20	N/A	N/A	N/A
13	Local Resident	[redacted]				29-Apr-20	Wanted to receive more information on the study, and to be included on the Contacts list.	Respond to email to answer their request.	The Region stated that at this time there was no more information to share, but that as more information becomes available it will be distributed accordingly.	29-Apr-20	N/A	N/A	N/A
14	Region of Waterloo	Kaoru Yajima		kyajima@regionofwaterloo.ca		29-Apr-20	Region PM asked to add Trevor to the list.	Added to the EA Contact list.		29-Apr-20	N/A	N/A	N/A
15	GRCA	Trevor Heywood		theywood@grandriver.ca		29-Apr-20	Asked to remove Beth Brown, another GRCA contact, from the list.	There was a discrepancy with the EA Contact List. Trevor was already listed as the EA contact for the GRCA, but Beth Brown's email was what was left at the email. Revised the email to Trevor's.	Confirmed Trevor would receive all future communications.	29-Apr-20	N/A	N/A	N/A
16	Local Resident	[redacted]				2020-04-29, 2020-04-30	Concerned over the past pollution in the Alder Lake and Alder Creek area, and asked how this pollution may affect the Regional groundwater system	Forwarded the email to GRCA for their comment regarding the water quality in the Creek and Lake.	Responded by giving the GRCA contact info, and stating the wells were classified as non-GUDI, so there was no pollution concern from the lake. Also attached a map showing the wellhead protection zone as going away from the Lake area	30-Apr-20	GRCA to correpond with resident as required	Trevor Heywood, GRCA	No
17	GRCA	Trevor Heywood		theywood@grandriver.ca		30-Apr-20	GRCA acknowldeged receipt of the Notice of Commencement, and stated that they would offer their input on any property ownership or dam operation perspectives.	Acknowledged receipt of their email.	Acknowledged receipt of their email.	04-May-20	N/A	N/A	N/A
18	Public	[redacted]				02-May-20	Please add email to contact list	Added to EA Contact list.	Stated that they had been added to the contact list.	04-May-20	N/A	N/A	N/A
19	MHSTCI	Joseph Harvey		Katherine.Kirzati@Ontario.ca		06-May-20	Acknowledged that they have received the notice of commencement. Detailed reporting requirements for the Class EA, and asked that any technical cultural heritage studies be shared with the MHSTCI prior to issuing a Notice of Completion.	Forwarded the email and attached letter to Archeoworks, RVA's subconsultant for their review and action.	N/A	N/A	To provide the information to the MHSTCI when it becomes available.	RVA	No
20	Local Resident	[redacted]				20-Apr-20	Remove from contact list.	RVA removed from contact list.	N/A	N/A	N/A	N/A	N/A
B.	**Comments Received for Notice of PCC 1**												
21	Region of Waterloo	John Cicuttin	Region of Waterloo	jcicuttin@regionofwaterloo.ca		22-Jun-20	Remove from contact list.	RVA removed from contact list.	N/A	N/A	N/A	N/A	N/A
22	Zayo	Joe Pimentel	Stakeholder	joe.pimentel@zayo.com		23-Jun-20	Directed RVA to the correct contact at Zayo for the Stakeholders list. Also stated that Zayo does not have any conflict in the Study Area.	Updated the EA Stakeholders List	Noted, and stated the list would be updated.	26-Jun-20	N/A	N/A	N/A
23	Township of Wilmot	Mark Jeffrey	Township of Wilmot Engineering	engineering@wilmot.ca		26-Jun-20	Asked to be added to the Stakeholders List	Updated the EA Stakeholders List	Noted, and stated the list would be updated.	29-Jun-20	N/A	N/A	N/A
24	Public	[redacted]				29-Jun-20	Asked the Region PM if he will be required to connect his house to a sanitary system for this project.	Region PM responded that this is beyond the scope of the current EA, and the Township has no plans that are currently known that would include installing a new sewage station.	N/A	29-Jun-20	N/A	N/A	N/A
25	Public					29-Jun-20	Asked to be removed from the Stakeholders List	Updated the EA Stakeholders List	Noted, and stated the list would be updated.	29-Jun-20	N/A	N/A	N/A
26	Public					29-Jun-20	Attached a Comment form for the project. Main concern for the resident was the size of any new buildings required for the expansion. Wants to limit the size of the new building on site.	Region and RVA to respond to the resident, and take their concerns into consideration in future EA tasks.	Thanked the resident for the question. Gave an update as to which stage the study was at, and stated that it was too early to determine the preliminary sizing of the new building or expansion.	03-Jul-20	Take the resident's comments into account in future EA tasks.	N/A	N/A
27	Hydro One Networks Inc.	Emily Spitzer	Stakeholder	Emily.Spitzer@HydroOne.com		30-Jun-20	Gave an updated EA contact for the Stakeholders List	Updated the EA Stakeholders List	Noted, and stated the list would be updated.	29-Jun-20	Emailed the updated Contact with all the pertinent information on the project to date.	N/A	N/A

28	Public	[redacted]				07-Jul-20	Confirmed receipt of the Notice of PCC #1, and requested to be informed of any future information.	Updated the EA Stakeholders List	Noted, and stated the list would be updated. Also supplied the resident with links to the PCC #1, and gave a summary of the comment sheet process.	07-Jul-20	N/A	N/A	N/A
29	Public					April 22, May 5, June 30	Left voicemails at the Region. Resident's question was about what was iron and manganese, and what are the impacts of these metals in the drinking water system.	Region Project Manager to return the resident's call	The Region Project Manager explained to the resident what iron and manganese were, the Federal government's new guideline for manganese, and the province considering adopting it, prompting the Region to be proactive with the studies.	15-Jul-20	N/A	N/A	N/A
30	Public					21-Jun-20	Left a voicemail with the Region, asking to be removed from the contact list.	Remove stakeholder from the contact list.	N/A	N/A	N/A	N/A	N/A
31	Public					24-Jun-20	Left a voicemail with the Region, asking to be removed from the contact list.	Remove stakeholder from the contact list.	N/A	N/A	N/A	N/A	N/A
32	Hydro One Networks Inc.	Secondary Land Use	Utility Provider	SecondaryLandUse@HydroOne.com		27-Jul-20	Acknowledged receipt of PCC 1. Attached a map stating that the EA project team should notify them when it is confirmed that our potential sites will not be in proximity to the Hydro One assets.	To respond to Hydro One once potential sites are confirmed.	PCC #2 shows the five proposed locations, and per comment 40, Hydro One has no existing transmission assets in the subject area.	18-May-21	Followed up with sending PCC #2 notice.	RVA	18-May-21
33	Public	[redacted]				12-Aug-20	Asked for some addressed to be corrected, sent via mail.	Revise stakeholder contact list.	N/A	N/A	N/A	N/A	N/A
C.	**Comments Received for Notice of PCC 2**												
34	Public	[redacted]				11-May-21	Requested to be added to the contact list.	Revise stakeholder contact list.	Stated that they had been added to the contact list.	11-May-21	N/A	N/A	N/A
35	Public					12-May-21	- Comment sheet submitted. Resident agreed with preferred alternatives. - Regarding preferred layouts, the resident preferred pushing the new facility to the end of Alderview Dr, so as not to adversely affect the hobby farm aesthetic. - Resident requested future comment forms be more user-friendly.	Respond to the resident's questions and comments	May 12, 2021 - thanked resident for sending comments through. July 19, 2021 - Addressed the stakeholder's concerns about the new facility negatively affecting the aesthetic appeal of the neighbourhood. The new building will have a pleasant façade that aligns with the aesthetic of the existing neighbourhood. - Noted the stakeholder's preference on the location of the facility at the east end of Alderview Drive. - Stated the comment form will be revised in future correspondences to address formatting issues.	19-Jul-21	Prepare a detailed response to the resident's questions and comments.	RVA/Region	Yes
36	Public					12-May-21	- Resident had questions about the size of the building for the proposed preferred alternative, and how large is the associated equipment? - Resident asked the size of the truck required to haul away solids, time required to remove solids from site, type of truck, and the timeline requirement? -Resident asked about installing a municipal sanitary sewer for the area, so no solids hauling would be required.	Respond to the resident's questions and comments	- May 13, 2021 Region responded to point three, stating the municipal sewer installation decision lies with the Township, and offered contact information for Township staff, and is not in the project scope. - July 19, 2021 - Summarized the environmental, cultural heritage, and archaeological impact of the new facility, and the studies that are being completed to date. - Stated pump outs would take one to two hours. - Stated the truck will make noise during pump out, therefore this work is to be done during working hours during the work week. -Stated the pump out will occur max. once per month. - Stated the new building will be one storey, and will strive to match the existing aesthetic. Additionally, a landscape architect will be retained as well. - The project team anticipates the building will be a maximum of 15 m by 20 m. - Truck turning radii will not infringe on existing boulevards or curbs. The existing road Alderview Drive meets the Region Roadway Design guidelines and future driveways will meet the Township of Wilmot Bylaws.	13-May-21	Prepare a detailed response to the resident's questions and comments.	RVA/Region	Yes
37	Public					12-May-21	- Resident had concerns about sites 1-3 due to existing gradient in the area, truck turning radii, and negative aesthetic impact in the area. -For site 4, resident concerned property value for 264 and 296 Alderview being diminished by the new facility. -Generally concerned about lowering aesthetic appeal of the neighbourhood. -For site 5, concerned the road is too narrow for access of the pump truck. -What are the environmental impacts of this preferred alternative? -Questions about pump out frequencies, pump truck size, noise, time of pump out. -What are the architectural designs, will the new building fit in with the existing area? -What are the landscaping plans?	Respond to the resident's questions and comments	May 13, 2021 - thanked the resident for their questions and comments. July 19, 2021 - Summarized the environmental, cultural heritage, and archaeological impact of the new facility, and the studies that are being completed to date. - Stated pump outs would take one to two hours. - Stated the truck will make noise during pump out, therefore this work is to be done during working hours during the work week. -Stated the pump out will occur max. once per month. - Stated the new building will be one storey, and will strive to match the existing aesthetic. Additionally, a landscape architect will be retained as well. - The project team anticipates the building will be a maximum of 15 m by 20 m. - Truck turning radii will not infringe on existing boulevards or curbs. The existing road Alderview Drive meets the Region Roadway Design guidelines and future driveways will meet the Township of Wilmot Bylaws.	19-Jul-21	Prepare a detailed response to the resident's questions and comments.	RVA/Region	Yes

38	Public	[redacted]				13-May-21	-Comment sheet submitted. Resident happy with the Class EA process thus far, commended the project team on the communication of the project so far. -Resident feels that due consideration was given for the alternatives. -Would prefer the treatment be installed on the existing site, or at the end of Alderview Dr.	Respond to the resident's questions and comments	May 13, 2021 - thanked the resident for their questions and comments. July 19, 2021 - Stated that vehicular traffic during operation will include one truck to pump out the holding tank once per month maximum.	19-Jul-21	Prepare a detailed response to the resident's questions and comments.	RVA/Region	Yes
39	MNRF	Karina Cerniavskaja	District Planner - Guelph District	Karina.Cerniavskaja@ontario.ca		13-May-21	Update contact information from Ken Cornelisse to Karina	Updated the EA Stakeholders List	Stated that they had been added to the contact list.	13-May-21	N/A	N/A	N/A
40	Hydro One Networks Inc.	Susan Sun	--	SecondaryLandUse@HydroOne.com		13-May-21	- Noted that no transmission assets are in the subject area, and to notify them if the subject areas change.	Close out comment 32, and acknowledge receipt of their response.	RVA responded that HydroOne will be advised if the study area changes.	18-May-21	N/A	N/A	N/A
41	Public	[redacted]				13-May-21	- Daughter of resident left a voicemail for RVA PM, and spoke with Region PM over phone. -Requested building size information, main concern was how large the building would be.	Region spoke with daughter of resident on the phone.	Region PM responded that the building size would be considered and dimensions given at PCC #3.	13-May-21	N/A	N/A	N/A
42	Public					14-May-21	- Resident agreed on preferred residual management alternative. -Expressed that all locations around existing pumphouse are unfavourable. -Asked how we know how big the property should be.	Respond to the resident's questions and comments	May 14, 2021 - thanked the resident for their questions and comments. July 19, 2021 - Noted to the stakeholder that the project team is trying to minimize the size of the facility to a maximum of 15 m by 20 m, and that the areas shown on the drawings are larger to show setback requirements. - Stated that if the preferred site was on or near the property, then part of future requirements would be an analysis on the impacts of construction on the property. - Also stated that loss of income from the land will be discussed with the Region's real estate division.	19-Jul-21	Prepare a detailed response to the resident's questions and comments.	RVA/Region	Yes
43	Public					16-May-21	Requested to be added to the contact list.	Revise stakeholder contact list.	Stated that they had been added to the contact list.	17-May-21	N/A	N/A	N/A
44	Public					16-May-21	Resident requested guidance on best way to submit comments.	Respond to resident with appropriate response pathways.	Stated that the resident may either email their comments directly to the Region and RVA contact, or fill out a comment sheet and submit that to the Region and RVA project team. Links to each were provided.	17-May-21	N/A	N/A	N/A
45	Public					17-May-21	Stated that Joyce Bruder no longer lived at this address.	Revise stakeholder contact list name to "Property Owner of 1207 Queen Street	Stated that the contact list had been revised.	17-May-21	N/A	N/A	N/A
46	Public					18-May-21	- Resident listed concerns: -what are the AO and what is the existing water quality at ND? -what is the timeline for implementation? -requested further information on screening out the Do Nothing solution -Where are the other manganese removal facilities located in the Region? -Asked if the alternative evaluation was based on facts or opinions -slide 12 lists haulage as once per month, slide 15 states bi-monthly, explain the discrepancy -Hopes other possibilities will be considered, not just the preferred.	Respond to the resident's questions and comments	Region PM responded to the resident's questions.	26-May-21	N/A	N/A	N/A
47	Public					20-May-21	Resident called the Region PM to express the following: -Why are the red, green, and blue layouts different sizes? -there should be scoring for the sites that incorporates community interests -The resident likes seeing the farm on Main street, and doesn't want the view obstructed. -He would like the yellow layout rotated 90 degrees as the preferred alternative, and does not want the red, green, or blue options. -Resident is concerned about increased operator presence at the new site.	Respond to the resident's questions and comments	May 20, 2021 - Region PM stated he thought the sites differed in size because of turning radius for the driveway, and said he would check with RVA to confirm this. July 19, 2021 - Told the stakeholder that regarding scoring of the alternatives will be initially completed as equally weighed, but then a sensitivity analysis will also be conducted to determine which properties are best from that perspective. - The architectural aesthetic will strive to match the existing area, and an architectural rendering will be completed as part of PCC #3.	19-Jul-21	Prepare a detailed response to the residen'ts questions and comments.	RVA/Region	Yes
48	Public					24-May-21	Resident attached a comment sheet. - Concerned with accessibility of the sheet, difficult to fill out. -Requested building dimension information. -Requested how the new processes will affect noise and odour on the street. -Requested evaluation criteria and scoring matrix. -Noted that there was archaeological potential in the farm field adjacent to the existing facility. -Requested additional information as to how the new facility will impact the community with respect to noise and odour control. -Requested a site layout for the proposed facility. -Requested architectural details for the proposed community.	Respond to the resident's questions and comments	May 25, 2021-Region PM stated that the comment sheet would be corrected going forward. -Region stated that the archaeological, SWM, and species at risk would be evaluated going forward July 19, 2021 - Future forms will be revised to correct existing formatting issues. - Size of building will be 15 by 20 m, and the design team is striving to minimize the size. - During construction, there will be increased vehicular traffic, and the construction team will work to make sure it only occurs during weekdays and working hours permitted by the Township. - The proposed building will match the aesthetic of the other buildings, and an architectural rendering will be completed as part of PCC #3. - A copy of the evaluation criteria TM #2 was attached to the email, so the stakeholder may review the evaluation criteria. - Future site selections will be completed through use of the evaluation criteria, and will be made available for public review. - SWM will be designed to ensure pre-development and post development flows match.	19-Jul-21	Prepare a detailed response to the residen'ts questions and comments.	RVA/Region	Yes
49	Public					30-May-21	Resident emailed and left a voicemail message. -Requested that expansion of the facility be completed at the existing pump station.	Respond to the resident's questions and comments	-Region PM responded to the comments, saying they would be taken into consideration going forward.	02-Jun-21	N/A	N/A	N/A
50	Public					02-Jun-21	Requested more information be provided regarding these studies, and stated they had not been provided information to date, and that they live on Alderview Dr.	Supply the resident with project information	-Region PM responded to the question by providing the project information, and by stating that the contact info would by added to the electronic notification list.	02-Jun-21	Add resident to electronic mail list.	N/A	N/A

51	Public	[redacted]				04-Jun-21	Resident submitted a comment sheet. -Resident felt that a new facility at the corner of Main and Alderview would negatively affect property values, and reduce the aesthetic appeal of the neightborhood. -Commented the plant should be on the outskirts of the community, and not in the center of it. -Resident looked forward to additional information on the impact of this project	Respond to the resident's questions and comments	- Region PM responded to the email, thanking for the comments and stated that the project team will be reviewing them and incorporating them during the next stage of the project. - Region PM also stated that more details will be provided as the Class EA process is a step-by-step process July 19, 2021 - Region PM stated the building will be a max size of 15 by 20 m. - Region stated that there is a noise associated with the hauling of the solids from the facility. - The aesthetic appeal of the neighbourhood will be addressed through architectural facades, that will be displayed as a rendering in PCC #3. - Stated PCC #3 will be held later this year.	19-Jul-21	N/A	N/A	N/A
52	Public					04-Jun-21	Resident attached a comment sheet. - Concerned with evaluation process, feels like the two options provided are not the most viable options. - Commented the location should not be in the centre of the community, as it will affect town aesthetics and home values. - Suggested that the black option would greatly affect the two homes with a driveway separating them.	Respond to the resident's questions and comments	June 7, 2021- Region PM responded to the comments and stated that the feedbacks will be taken into consideration as part of the project. - July 19, 2021 - The Region clarified that the evaluation in PCC #2 was for the treatment process and residual management strategy only, and that alternative site locations will be handled in PCC #3. - The Region stated that the treatment alternatives were developed by engineering consultants to be in-line with best industry practices. - The Region acknowledges that each of the five alternative site locations has advantages and disadvantages, and that these will be evaluated in accordance with the evaluation criteria presented in PCC #2. - The Region stated an architectural rendering of the new facility will be shown in PCC #3.	19-Jul-21	N/A	N/A	N/A
53	Public					08-Jun-21	Resident attached a comment sheet. - A separate location should be considered away from the site. Expansion at the current facility will impact their property value and aesthetic appeal. - Expansion of the facility will also negatively impact the horse farm - Concerned with construction, traffic noise, and light. - Concerned with regular truck haulage of solids in terms of noise and parking interruption.	Respond to the resident's questions and comments	June 8, 2021- Region PM responded to the comments and stated that they will be shared with the project team going forward - July 19, 2021 - The Region reiterated the need for the manganese removal, as the existing system meets the existing aesthetic objectives (AO), but not the new AO. - The location for the new facility is under review currently, and it will have a facade that is in line with the aesthetic of the surrounding neighbourhood. - During construction of the new facility, there will be increased traffic and noise, during hours of work permitting by Wilmot Township. - Noise during operation of the facility will be minimized through proper design procedures, and there will be a noise associated with the once a month removal of solids from the solids handling area, but this will occur during working hours.	08-Jun-21	N/A	N/A	N/A
54	Public					08-Jun-21	Resident attached a comment sheet. - Disagree with the criteria scoring method given, as financial criteria should not necessarily have equal weighting to social criteria. - Locations of layouts 1, 2, and 3 will have a major negative impact in terms of aesthetics and property values of the neighbourhood. - The house at 328 Main St., along with the barn and open pastureland, form an important cultural aspect to the neighbourhood. This will be diminished by Layouts 1,2 or 3. - Concerns regarding additional noise generated by the expansion. - States that pasturelands provide a higher environmental value than cropland, therefore Layout 1, 2, and 3 should not be considered. - Reiterates the support for Layout 5 with the site rotated 90 degrees.	Respond to the resident's questions and comments	June 9, 2021 - Region PM responded to the comments and stated that they will be considered by the project team going forward July 19, 2021 - Told the stakeholder that regarding scoring of the alternatives will be initially completed as equally weighed, but then a sensitivity analysis will also be conducted to determine which properties are best from that perspective. - The architectural aesthetic will strive to match the existing area, and an architectural rendering will be completed as part of PCC #3.	19-Jul-21	N/A	N/A	N/A
55	GRCA	Trevor Heywood	Resource Planner, GRCA	theywood@grandriver.ca		15-Jun-21	-GRCA acknowledged receipt of the PCC #2 contents. -GRCA attached a floodplain map for the Study Area, and notified the project team that layouts 1, 2, 4, and 5 would be impacted by the floodplain, but does not expect this to be a significant barrier.	Acknowledge receipt of the comments, incorporate mapping into PCC #3.	Region thanked GRCA for their comments, and stated that project team will incorporate mapping into PCC #3.	15-Jun-21	N/A	N/A	N/A
56	Ministry of the Attorney General	--	--	attorneygeneral@ontario.ca		19-Aug-21	-Office stated that this Class EA does not fall under their jurisdiction, and that the project team should contact the MECP	Remove stakeholder from the contact list.	N/A	N/A	N/A	N/A	N/A
D.	**Comments Received for Notice of PCC 3**												
57	Public	[redacted]				07-Feb-22	-Phone call from resident requesting PCC #3 materials	Respond to request for information	Region PM responded on the phone that PCC#3 materials will be available the next day, and previous PCC materails can be viewed	07-Feb-22	N/A	N/A	N/A
58	Infrastructure Ontario	Alan Sawyer	--	Alan.Sawyer@infrastructureontario.ca		08-Feb-22	-Noitce redirected, asked to send all future notices to new email address to ensure they are addressed by the right experts at IO	Alan Sawyer removed from contact list, updated IO contact with new email provided by Alan.	N/A	N/A	N/A	N/A	N/A
59	Mississaugas of the New Credit First Nation	Fawn Sault	--	Fawn.Sault@mncfn.ca		08-Feb-22	-Asked to forward notices to new email address	Fawn Sault removed from contact list, updated MNCFN with new emails provided by Fawn	N/A	N/A	N/A	N/A	N/A
60	Public	[redacted]				08-Feb-22	-Requested for information on PCC #3	Respond to request for information	Region PM responded to the request and provided link to public consultation materials.	09-Feb-22	N/A	N/A	N/A
61	Public					10-Feb-22	-Requested mailing name change	Updated mailing name in contact list	N/A	N/A	N/A	N/A	N/A
62	Zayo	Phil Arbeau	Stakeholder, Utilities	phil.arbeau@zayo.com		11-Feb-22	-Zayo stated that they have no existing plant in the area. No markup and no objection.	Acknowledge receipt of the comments	N/A	N/A	N/A	N/A	N/A
63	Public	[redacted]				16-Feb-22	-Resident stated that Location #2 is a good utilization of existing site -Resident liked the barn board exterior and sloped metal roof -Resident would like to know why scheduled construction is in 7 years instead of sooner	Respond to the resident's questions and comments	Region PM responded via email acknowledging resident's comments related to building location and aesthetics. In response to question regarding scheduled construction, Region PM stated the chosen schedule is a result of anticipated timing of the new standards and allowing time for preliminary design, detailed design, tendering and land purchase	11-May-22	N/A	N/A	N/A
64	Public					17-Feb-22	-Asked to update names of residents at this address	Updated resident names in the contact list	N/A	N/A	N/A	N/A	N/A

65	GRCA	Trevor Heywood	--	theywood@grandriver.ca		24-Feb-22	-GRCA Acknowledged receipt of PCC #3 materials -GRCA has no concerns with Alternative 2 layout, and stated that the extent of floodplain should be confirmed during detailed design -Asked the Region to ensure vertical datum matches RFE provided. This helps confirm compliance and need for a GRCA permit	Acknowledge receipt of the comments	N/A	N/A	N/A	N/A	N/A
66	Public	[redacted]				26-Feb-22	-Voicemail from resident to request for additional in-person meeting	Respond to resident's request by returning the call	Mar 9 - Region PM called backed and left a message that the Region will not be conducting public meetings at this time.	09-Mar-22	N/A	N/A	N/A
67	Public					28-Feb-22	-Resident requested an in-person public meeting	Respond to resident's request	Region prepared a detailed response to the residents questions and comments.	11-May-22	N/A	N/A	N/A
68	Public					08-Mar-22	Resident has the following comments: -Requested an in-person public meeting -Have you considered bringing in Kitchener's water lines -Location #2 will impact the value of the surrounding properties -Prefers the location at the end of the street -Property will suffer water damage from water running off from asphalt driveway -Asked to make the proposed extension smaller, driveway on south side of existing building, access door facing Main St, stone/grass driveway instead of asphalt, fencing as necessary without blocking resident's access to paddock -Asked to be consulted on landscape design -Possibility of altering existing building to better fit the design of new building (barn exterior) -Limit truck visits to weekday working hours only, no idling of trucks in driveway -Requested explanation of existing iron/manganese levels and government guidelines. -Have inflation being considered in cost? -Requested to see responses received for Phase 1 -Requested explanation for: Location #1 and 2 are in the same area but Location #1 need "more complex construction techniques required due to Proximity to existing wells" while Location #2 has "possible interconnection with the existing facility"	Respond to the resident's questions and comments	Region prepared a detailed response to the residents questions and comments.	11-May-22	N/A	N/A	N/A
69	Public					08-Mar-22	'Resident has the following comments: -Requested an in-person public meeting at New Dundee Community Center, offered to organize the meeting -Concerned with unsightly, oversized addition in proximity, asked to make the proposed extension as minimal in size as possible, blend with surroundings - Request to choose a location far from resident homes. Prefer not on Alderview/Main St, suggested Bridge St east of village -Concerned with smell of diesel fuel from running vehicles -Location #2 will impact the value of the surrounding properties -Requested explanation of existing iron/manganese levels and government guidelines. Why do you think there is a change coming? What if the proposed guideline changes again in the future? -The expansion will have greater cost to climate change and the environment -Additional comments in regard to design and landscape for wherever the new well might be, which I will defer to future public consultation	Respond to the resident's questions and comments	Region prepared a detailed response to the residents questions and comments.	11-May-22	N/A	N/A	N/A
70	Public					09-Mar-22	Resident attached a comment sheet: -Disappointed that impact to neighboring properties -Concerns about noise from trucks and pumping of waste -Concerns about water damage to property from water running off from asphalt driveway -Suggested gravel/crushed stone driveway and requested the driveway to be narrower and farther from neighboring property -Suggested to make the driveway on south side of existing building as shown in Location #4, but extend to new facility behind existing building, with door facing Main St -Concerned about salty snow pushed to their lawn and kills the grass -Concerned about loss of privacy, requested fencing -Location #2 will impact the value of the surrounding properties, requested compensation -Proposed site #2 will hinder the view of farms -Why does the setback from the building need to be so wide and take more farm property than is necessary? -Asked to be consulted for the final design -Slides states scoring is only preliminary; would it be possible for Region to choose a different site without further public consultation? -What if farm owner refuse to sell land? -Prefer Location #5, believes "prohibitive cost" is an over exaggeration, and less noise impact for Location #5 -Suggested relocating the generator to hide it	Respond to the resident's questions and comments	Region prepared a detailed response to the residents questions and comments.	11-May-22	N/A	N/A	N/A

71	Public	[redacted]				09-Mar-22	'Resident has the following comments: -Concerned about her well at the proposed Location #2, requested explanation of proposed alternative supply of water -Location #2 will impact the value of the surrounding properties -The building appears to be very close to the barn and would block passage from the paddock to the rest of the barn yard -Will this building effect the status of the farm agriculture use? Will there be any restrictions for livestock in the future? -Concerns about water damage to paddock from water running off from asphalt driveway -Why is it necessary to purchase the land at this time when the building will not start for nine years? What if we do not want to sell?	Respond to the resident's questions and comments	Region prepared a detailed response to the residents questions and comments.	11-May-22	N/A	N/A	N/A
72	Public					14-Mar-22	Resident is a new contact, asked for updates for the project and requested an in person public meeting	Add contact to shareholder list; Respond to resident's requests	Region replied via email, provided link to previous PCC materials, and explained that Region will keep all PCC virtual.	22-Mar-22	N/A	N/A	N/A
73	Public					06-Apr-22	Resident has the following comments: -Suggest replacing the red brick with the same façade of the new building -Concerned with diesel fumes from trucks. Request to remove vehicles from Alderview Dr so they can access the holding tank from laneway created for the expansion -Guideline for contractor to minimize disturbance to the neighborhood during construction (site to remain clean, shall not block resident's driveway) -Request more information in landscaping design -Request mitigation measures for noise -Request to remove LED light of existing building -Request to move the generator behind the building -Request to keep the driveway accessible for residents. Chain link fence not aesthetically pleasing.	Respond to the resident's questions and comments	Region prepared a detailed response to the residents questions and comments.	11-May-22	N/A	N/A	N/A
74	Public					25-May-22	Resident called the Region and provided the following comments: -Clarified the location of her private well being impacted by the preferred alternative -Stated that impact to her property values should be differentiated from other neighboring properties. -Requested assurance that land acquisition will not trigger a change in land use -Clarified that rain runoff is not a concern, but periodically there are oveflow of water to her property which resulted in ice ponding in the winter.	Respond to the resident's questions and comments	Region prepared a detailed response to the residents questions and comments.	23-Aug-22	N/A	N/A	N/A
75	Public					11-Jul-22	Resident attached a comment sheet: -Questioned whether there will be a fence along the driveway as well, suggested landscaping at property line, and requested to be consulted during next stage of project -Concerned about water overlowing to his property in the winter containing a tan material. -Reiterated that a compensation should be considered for hindering of the view of the farm -Suggested an alternative drivey with a sketch	Respond to the resident's questions and comments	Region prepared a detailed response to the residents questions and comments.	22-Aug-22	N/A	N/A	N/A
76	MCM	Joseph Harvey	Heritage Planner	Joseph.Harvey@ontario.ca		08-Nov-22	Ministry provided comments on draft Environmental Study Report (ESR) and the Cultural Heritage Evaluation Report regarding report presentation, alternative evaluation criteria, and other miscellaneous comments	Respond to Ministry comments	Region prepared a detailed response letter to the Ministry	08-Feb-23	N/A	N/A	N/A
77	MECP	Joan Del Villar Cuicas	Regional Environmental Planner	Joan.DelVillarCuicas@ontario.ca		08-Nov-22	Ministry provided comments on draft ESR regarding planning contect, indigenous consultation, SAR, air quality and odour, evaluation of alternatives, and other miscellaneous comments	Respond to Ministry comments	Region prepared a detailed response letter to the Ministry	16-Jan-23	N/A	N/A	N/A
78	MECP	Joan Del Villar Cuicas	Regional Environmental Planner	Joan.DelVillarCuicas@ontario.ca		06-Dec-22	Ministry provided additional comments on SAR discussion in the ESR	Respond to Ministry comments	Region prepared a detailed response letter to the Ministry	16-Jan-23	N/A	N/A	N/A
79	MCM	Joseph Harvey	Heritage Planner	Joseph.Harvey@ontario.ca		22-Feb-23	Ministry provided additional comments on draft ESR and recommended addition to Section 7 - Mitigation Measures	Update the ESR accordingly	Noted, Report revised as per Ministry comments	22-Feb-23	N/A	N/A	N/A

Appendix F-3

Project Commencement Notice, Advertisements, and Correspondence

R.V. Anderson Associates Limited
2001 Sheppard Avenue East Suite 300
Toronto Ontario M2J 4Z8 Canada
Tel 416 497 8600 Fax 855 833 4022
www.rvanderson.com

Month, Day, Year

Addressee
Street Address
City, Province
Postal Code

Dear Sir/Madam:

Re: Notice of Study Commencement for the New Dundee Water Supply – Iron and Manganese Treatment Upgrades Municipal Class Environmental Assessment of Region of Waterloo

Please see enclosed the Notice of Study Commencement, for the New Dundee Water Supply Iron and Manganese Treatment Upgrades Municipal Class Environmental Assessment (Class EA). The Regional Municipality of Waterloo is undertaking this Class EA to identify a preferred water treatment approach for iron and manganese based on current industry standards and new technologies.

If you would like more information about the New Dundee Water Supply Iron and Manganese Upgrades or would like to be removed from the study's contact list, please contact the undersigned.

Kaoru Yajima, P.Eng.
Sr. Project Engineer, Water Services
Region of Waterloo

Phone: 519-575-4757 ext. 3349
Email: kyajima@regionofwaterloo.ca

Kirk Worounig, P.Eng., PMP
Consultant Project Manager
R.V. Anderson Associates Limited

Phone: 416-497-8600 ext. 1246
Email: kworounig@rvanderson.com

Encls.
Notice of Study Commencement

CANADA'S BEST MANAGED COMPANIES
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Notice of Study Commencement
New Dundee Water Supply – Iron and Manganese Water Treatment Upgrades
Municipal Class Environmental Assessment

The Region of Waterloo has initiated a Municipal Class Environmental Assessment (EA) Study for iron and manganese treatment upgrades for the New Dundee Water Supply System. The New Dundee Water Supply System is located at 156 Alderview Road in the Town of New Dundee, in the Township of Wilmot. The Study will review and provide recommendations related to iron and manganese treatment upgrades based on current industry standards and new technologies, as well as the location of potential upgrades, should they be recommended.

How is this Study being undertaken?

This Study is being undertaken as a Schedule 'C' project in accordance with the requirements of the Municipal Class Environmental Assessment (October 2000, as amended in 2007, 2011 and 2015), which is an approved process under the Ontario Environmental Assessment Act.

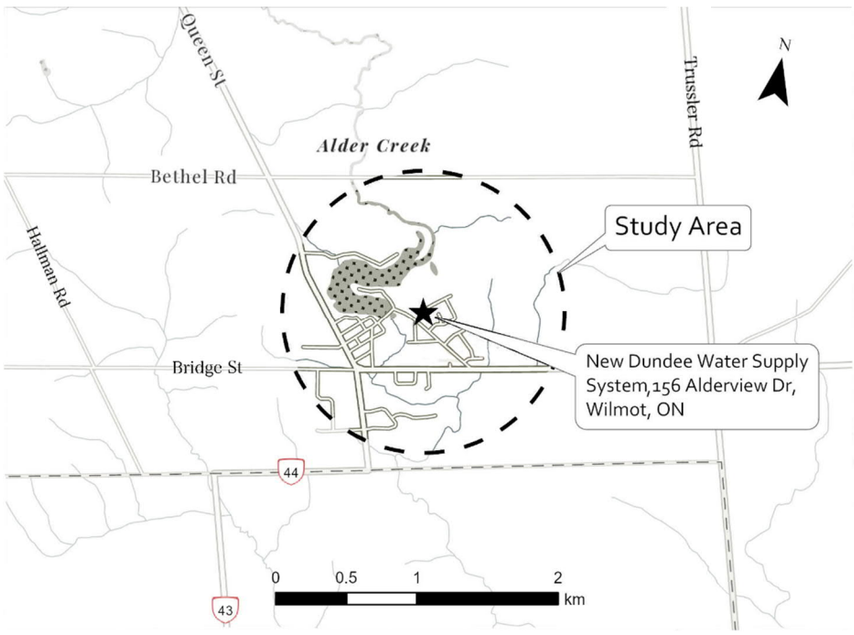


Figure 1: Study Area

How can I participate in this Study?

The Region encourages the public to participate in the Study's planning process and learn more by:

- Signing up to the email contact list to receive notices (please email kyajima@regionofwaterloo.ca to sign up)
- Attending upcoming Public Consultation Centres (PCCs) once it is safe to do so, during the Study to review information and provide feedback to the project team (you will receive separate notices for these PCCs including how to participate from your own home).

If you would like more information on the Study, or would like to sign up for the study contact list, please contact either:

Kaoru Yajima, P.Eng.
Sr. Engineer, Water Services
Region of Waterloo
Phone: 519-575-4757 ext. 3349

Email: kyajima@regionofwaterloo.ca

Kirk Worounig, P.Eng., PMP
Project Manager
R.V. Anderson Associates Limited
Phone: 416-497-8600 ext. 1246

Email: kworounig@rvanderson.com

All comments and information received from individuals, stakeholder groups and agencies regarding this project are being collected under the authority of the "Municipal Act" to assist the Region of Waterloo in making a decision. Under the "Municipal Act", personal information such as name, address, telephone number, and property location that may be included in a submission becomes part of the public record. Questions regarding the collection of this information should be referred to Kaoru Yajima at the Region of Waterloo.

Frank Fei Feng

Subject: FW: Notice of Commencement for the New Dundee Water Supply Iron and Manganese Upgrades Municipal Class Environmental Assessment

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: April 15, 2020 10:02 AM
To: Bridget Coady <BCoady@regionofwaterloo.ca>
Cc: Michele Hopkins <MHopkins@regionofwaterloo.ca>; Jonathan Rudyk <JRudyk@rvanderson.com>; Kirk Worounig <kworounig@RVAnderson.com>
Subject: RE: Notice of Commencement for the New Dundee Water Supply Iron and Manganese Upgrades Municipal Class Environmental Assessment

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hello Bridget,

Thanks for the questions. And yes, we're pretty busy here at Water Services. Thanks for asking – hope you're doing well too.

With the limited space in the existing building, yes we would be looking at an addition or more likely a new building to house the treatment equipment.

Part of this study is to evaluate locations for where it could be sited. We will expand our search to the current property and nearby properties around the Region's plant. Broadly speaking, I would say the area would be within the area of Alderview Road plus surrounding areas as shown below. Depending on where the preferred site would be, land acquisition could be involved.



I should also add that in our scope, the consultant was going to sub out a Stage 1 Archaeological assessment. The results will factor later in the study as part of the evaluation of possible sites.

Let me know if you have further questions.

Kaoru

From: Bridget Coady <BCoady@regionofwaterloo.ca>
Sent: April 15, 2020 9:43 AM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Cc: Michele Hopkins <MHopkins@regionofwaterloo.ca>
Subject: Fw: Notice of Commencement for the New Dundee Water Supply Iron and Manganese Upgrades Municipal Class Environmental Assessment

Hi Kaoru,

Do you have a little more information on this project? Like are you anticipating a new treatment building/land acquisition and can the study limits be scoped a bit for me before I comment? New Dundee is a big study area to inventory all potential heritage resources. Any additional information will be very much appreciated!

Also, hope you are doing well!

Thanks!

Bridget Coady MCIP, RPP
Principal Planner, Cultural Heritage
Region of Waterloo
Planning, Development and Legislative Services
150 Frederick Street 8th Fl.
Kitchener, ON N2G 4J3
t. (519) 575-4500 x. 3112
f. (519) 575-4449
bcoady@regionofwaterloo.ca

From: Dora Ciccarelli <DCiccarelli@rvanderson.com>
Sent: Wednesday, April 15, 2020 8:12 AM
To: Bridget Coady
Subject: Notice of Commencement for the New Dundee Water Supply Iron and Manganese Upgrades Municipal Class Environmental Assessment

Dear Sir/Madam:

Please see enclosed the Notice of Study Commencement, for the New Dundee Water Supply Iron and Manganese Upgrades Municipal Class Environmental Assessment (Class EA). The Regional Municipality of Waterloo is undertaking this Class EA to identify a preferred treatment approach for iron and manganese based on current industry standards and new technologies.

This notice is sent to your attention as it was deemed that you may be an interested stakeholder.

If you would like more information about the New Dundee Water Supply Iron and Manganese Upgrades or would like to be removed from the study's contact list, please contact the undersigned.,

Yours very truly,

Kirk Worounig, P.Eng., PMP

Consultant Project Manager

Phone: 416-497-8600 ext. 1246

Email: kworounig@rvanderson.com

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Frank Fei Feng

Subject: FW: Notice of Commencement for the New Dundee Water Supply Iron and Manganese Upgrades Municipal Class Environmental Assessment

From: Slattery, Barbara (MECP) <barbara.slattery@ontario.ca>
Sent: April 15, 2020 8:44 AM
To: Dora Ciccarelli <DCiccarelli@rvanderson.com>
Subject: RE: Notice of Commencement for the New Dundee Water Supply Iron and Manganese Upgrades Municipal Class Environmental Assessment

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Good morning Dora, this notice must also be sent to the regional email for EA notifications as per the following:

As part of the ministry's ongoing efforts to improve processes and ensure the ministry has an opportunity to provide input on projects undergoing streamlined environmental assessments, the ministry have established dedicated email accounts in each regional office. These accounts will be used to receive notices as required in your class environmental assessment process along with a new "Project Information Form". This project notification process is in addition to the existing notification requirements in each class environmental assessment and streamlined environmental assessment process.

As of May 1, 2018, the ministry is asking proponents to use this new process. Please share the following information with your proponents and planning consultants. More information and the "Project Information Form' is available on Ontario.ca.

Process for Submitting Notices for Streamlined EAs

To submit your Notice you need to do the following:

1. download and complete the Project Information Form.
2. the subject line of your email must include the project location, type of streamlined EA and project name, for example:
    - York Region, MEA Class EA, Elgin Mills Rd East (Bayview to Woodbine);
    - Durham Region, Electricity Screening Process, New Cogeneration Station;
    - City of Ottawa, Waste Management Screening Process, Landfill Expansion
3. attach a copy of your project notice in PDF format to the email
4. send your completed form and a copy of your project notice in PDF format by email to the appropriate ministry regional office:

    Central Region – eanotification.cregion@ontario.ca

    Eastern Region – eanotification.eregion@ontario.ca

Northern Region – eanotification.nregion@ontario.ca

South West Region – eanotification.swregion@ontario.ca

West Central Region – eanotification.wcregion@ontario.ca

The attached map and hyperlink to the MOECC District Officer Locator website, can be used to assist with determining what ministry region your project is located.

Barb Slattery, EA/Planning Coordinator
Ministry of the Environment, Conservation and Parks
Project Review Unit, Environmental Assessment Branch
(905) 521-7864

We want to hear from you. How was my service? You can provide feedback at 1-888-745-8888.

From: Dora Ciccarelli <DCiccarelli@rvanderson.com>
Sent: April 15, 2020 7:57 AM
To: Slattery, Barbara (MECP) <barbara.slattery@ontario.ca>
Subject: Notice of Commencement for the New Dundee Water Supply Iron and Manganese Upgrades Municipal Class Environmental Assessment

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Dear Sir/Madam:

Please see enclosed the Notice of Study Commencement, for the New Dundee Water Supply Iron and Manganese Upgrades Municipal Class Environmental Assessment (Class EA). The Regional Municipality of Waterloo is undertaking this Class EA to identify a preferred treatment approach for iron and manganese based on current industry standards and new technologies.

This notice is sent to your attention as it was deemed that you may be an interested stakeholder.

If you would like more information about the New Dundee Water Supply Iron and Manganese Upgrades or would like to be removed from the study's contact list, please contact the undersigned.,

Yours very truly,

Kirk Worounig, P.Eng., PMP
Consultant Project Manager
Phone: 416-497-8600 ext. 1246
Email: kworounig@rvanderson.com

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Ontario

Ministry of the Environment, Conservation and Parks

Environmental Assessment Branch

1st Floor
135 St. Clair Avenue W
Toronto ON M4V 1P5
Tel.: 416 314-8001
Fax.: 416 314-8452

Ministère de l'Environnement, de la Protection de la nature et des Parcs

Direction des évaluations environnementales

Rez-de-chaussée
135, avenue St. Clair Ouest
Toronto ON M4V 1P5
Tél. : 416 314-8001
Téléc. : 416 314-8452

905-521-7864

April 16, 2020

Mr. Kaoru Yajima
Region of Waterloo

Mr. Kirk Worounig
R.V. Anderson & Associates

Dear Messrs. Yajima and Worounig:

Re: Response to Notice of Study Commencement
New Dundee Water Supply Iron and Manganese Upgrades
Township of Wilmot, Region of Waterloo

This letter is in response to the Notice of Commencement for the above noted project. The Ministry of the Environment, Conservation and Parks (MECP) acknowledges that the Region of Waterloo has indicated that it has commenced a Schedule "C" study in accordance with the MEA Class EA to assess the needs for upgrades for the water supply facilities for the Town New Dundee in Wilmot Township. Existing conditions will be reviewed to provide recommendations to address iron and manganese treatment upgrades.

A map has been prepared and attached to these comments to show the complexity of the study area. In addition to the well site, a number of other wells are within the area. It is expected that the assessment of all alternatives will address these wells and how actions taken by the Region might affect them.

With respect to Species at Risk, MECP has responsibility for the administration of the Ontario Endangered Species Act (ESA). If you believe that you may need an ESA permit or authorization in order for the implementation for this project, please visit https://www.ontario.ca/page/species-risk to learn more about protecting and recovering species at risk, then navigate to the Resources and Permits section, including Register or Get a Permit for more information about permits and authorizations under the ESA. You only need an authorization under the ESA (e.g. a permit or other type of authorization if your work is going to contravene the ESA (e.g. if the activity you are proposing is going to kill, harm or harass a species at risk or damage or destroy their habitat. If you are able to undertake your work in a manner that does not contravene the ESA, this is known as "avoidance" of impacts and it is the ideal scenario and will not require undertaking the process of obtaining an authorization.

A guide has been developed to help clients work through the preliminary screening process including providing advice to clients on how they can gather information from publicly available sources. It you are seeking information regarding species at risk likely to occur at, or near your area of study for this EA, please send an email to sarontario@ontario.ca and include "Request for preliminary screening guide" in the email subject line. To provide the most efficient service, it is recommended clients read this guide and explore application information sources prior to contacting the ministry to begin discussions with the Permissions and Compliance team.

If during the course of your site visit(s) you encounter any known species at risk, please visit https://www.ontario.ca/page/report-rare-species-animals-and-plants for information on how to report a species at risk sighting.

The Crown has a legal duty to consult Aboriginal communities when it has knowledge, real or constructive, of the existence or potential existence of an Aboriginal or treaty right and contemplates conduct that may adversely impact that right. Before authorizing this project, the Crown must ensure that its duty to consult has been fulfilled, where such a duty is triggered. Although the duty to consult with Aboriginal Peoples is a duty of the Crown, the Crown may delegate procedural aspects of this duty to project proponents while retaining oversight of the consultation process.

Your proposed project may have the potential to affect Aboriginal or treaty rights protected under Section 35 of Canada's *Constitution Act* 1982. Where the Crown's duty to consult is triggered in relation to your proposed project**, the MECP is delegating the procedural aspects of rights-based consultation to you through this letter.** The Crown intends to rely on the delegated consultation process in discharging its duty to consult and maintains the right to participate in the consultation process as it sees fit.

Based on information you have provided to date and the Crown`s preliminary assessment you are required to consult with the following communities who have been identified as potentially affected by your proposed project:

COMMUNITY	CONTACT
Six Nations of the Grand River Territory 1695 Chiefswood Road P.O. Box 5000 Ohsweken, ON N0A 1M0	Chief Mark Hill Tel: (519)445-2201 or markhill@sixnations.ca Email: arleenma@sixnations.ca and Lonny Bomberry, Lands and Resources Director at lonnybomberry@sixnations.ca
Haudenosaunee Confederacy Chiefs Council 2634 6th Line Road R.R. #2 Ohsweken, ON N0A 1M0	Hohahes Leroy Hill, Secretary jocko@sixnations.ca
Mississaugas of the Credit First Nation 2789 Mississauga Road RR #6 Hagersville, ON N0A 1H0	Fawn Sault Consultation Manager Email: Fawn.Sault@newcreditfirstnation.com

Steps that you may need to take in relation to Aboriginal consultation for your proposed project are outlined in the "Code of Practice for Consultation in Ontario's Environmental Assessment Process" which can be found at the following link: https://www.ontario.ca/document/consultation-ontarios-environmental-assessment-process
Additional information related to Ontario's Environmental Assessment Act is available online at: www.ontario.ca/environmentalassessments

You must contact the Director of Environmental Assessment and Permissions Branch under the following circumstances subsequent to initial discussions with the communities identified by MECP:

- Aboriginal or treaty rights impacts are identified to you by the communities
- You have reason to believe that your proposed project may adversely affect an Aboriginal or treaty right
- Consultation has reached an impasse
- A Part II Order request or elevation request is expected

The Director of the Environmental Assessment and Permissions Branch can be notified either by email with the subject line "Potential Duty to Consult" by mail, email or fax at the addresses provided below:

Email:	enviropermissions@ontario.ca Subject: Potential Duty to Consult
Fax:	416-314-8452
Address:	Environmental Approvals and Permissions Branch 135 St. Clair Avenue West, 1st Floor Toronto, ON, M4V 1P5

The MECP will then assess the extent of any Crown duty to consult for the circumstances and will consider whether additional steps should be taken, including what role you will be asked to play in them.

As of July 1st 2018, a standardized form is to be used by anyone who believes that the environmental assessment process was incomplete, incorrect in that it failed to follow the required process. The required form can be found on the Forms Repository website (http://www.forms.ssb.gov.on.ca/) by searching "Part II Order" or "012-2206E (the form ID number). Once completed, the form is then to be sent to both the Minister and Director of the Environmental Assessment and Permissions Branch. Their addresses are:

Minister
Ministry of the Environment, Conservation and Parks
777 Bay Street, 5th Floor
Toronto, ON M7A 2J3
Minister.mecp@ontario.ca

Director, Environmental Assessment and Permissions Branch
Ministry of the Environment, Conservation and Parks
135 St. Clair Ave. West, 1st Floor
Toronto, ON M4V 1P5
enviropermissions@ontario.ca

As of May 1, 2018, proponents are requested to send all Notices of Commencement and Completion and the completed project information form to the region where the project is located. If your project is located in more than one ministry region, you need to submit your notices to all appropriate regions. This is in addition to the existing notification requirements in each class environmental assessments and streamlined environmental assessment process.

To submit your Notice you need to:

1. download and complete the project information form
2. the subject line of your email must include the project location, type of streamlined environmental assessment and project name
3. attach a copy of your project notice in PDF format and your completed project information form in Excel format to the email
4. send your email to the appropriate ministry regional office:
    - Central Region – eanotification.cregion@ontario.ca
    - Eastern Region – eanotification.eregion@ontario.ca
    - Northern Region – eanotification.nregion@ontario.ca
    - South West Region – eanotification.swregion@ontario.ca
    - West Central Region – eanotification.wcregion@ontario.ca

It is now ministry procedure to review all Schedule C Environmental Study Reports (ESR). Accordingly, please send a draft copy of the ESR to me allowing for a minimum of 30 days for our technical review. Please provide a copy of the final ESR (hard copy preferred, but e-copy is also acceptable) and should you have any questions or require clarification, please contact me at Barbara.slattery@ontario.ca

Stay safe, stay well,

Barbara Slattery

EA/Planning Coordinator

Encl.

Frank Fei Feng

Subject: FW: Notice of Commencement for the New Dundee Water Supply Iron and Manganese Upgrades Municipal Class Environmental Assessment

From: Barboza, Karla (MHSTCI) <Karla.Barboza@ontario.ca>
Sent: Wednesday, April 15, 2020 10:38 AM
To: Kirk Worounig <kworounig@RVAnderson.com>; kyajima@regionofwaterloo.ca
Cc: Dora Ciccarelli <DCiccarelli@rvanderson.com>; Kirzati, Katherine (MHSTCI) <Katherine.Kirzati@ontario.ca>
Subject: FW: Notice of Commencement for the New Dundee Water Supply Iron and Manganese Upgrades Municipal Class Environmental Assessment

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hi all,

Thanks for sending the notice of commencement for the New Dundee Water Supply Upgrades to the Ministry of Heritage, Sport, Tourism and Culture Industries (MHSTCI).

Please note that the Heritage Planning Unit in MHSTCI reviews and provides comments on projects under an environmental assessment process. There has been some changes in our unit (see full MHSTCI contact below). For this project (MHSTCI File 0012287), Katherine Kirzati, MHSTCI Heritage Planner, has been assigned and will be providing comments, as appropriate. I would appreciate if you can update your contact list and include both Katherine and I and remove James Hamilton.

In the meantime, please let us know if you have any questions.

Regards,
Karla

Karla Barboza MCIP, RPP, CAHP | (A) Team Lead, Heritage
Ministry of Heritage, Sport, Tourism and Culture Industries
Heritage, Tourism and Culture Division | Programs and Services Branch | Heritage Planning Unit
T. 416.314.7120 | Email: karla.barboza@ontario.ca

Government Review Team List (prepared by the Ministry of the Environment, Conservation and Parks)

Ministry of Heritage, Sport, Tourism and Culture Industries For the most recent copy of the GRT list please contact the MECP at enviropermissions@ontario.ca

Name, Position, Agency and Address	Document Form	Phone, Fax and Email	Types of EA Projects to be Circulated

Ministry of Tourism, Culture and Sport: Culture Division			
Ms. Karla Barboza, Team Lead(A), Heritage Heritage Planning Unit Programs and Services Branch Ministry of Heritage, Sport, Tourism and Culture Industries 401 Bay Street, Suite 1700 Toronto ON M7A 0A7	1 electronic/ email copy each (preferred)	T: 416-314 7120 karla.barboza@ontario.ca	Receives the **initial circulations for all** individual and site specific Class EAs for all regions of the province. The Team Lead will assign to a Heritage Planner for review. EA matters of province-wide significance (including Parent Class EAs and Environmental Assessment policies and guidelines).
Heritage Planners: Site-specific individual and Class EA projects – Heritage Planners review site specific EAs impacts on cultural heritage resources. They act as one-window for Culture Division and gather information on culture heritage resources from other staff, including Regional Offices.			
Ms. Katherine Kirzati, Heritage Planner Heritage Planning Unit Programs and Services Branch Ministry of Heritage, Sport, Tourism and Culture Industries 401 Bay Street, Suite 1700 Toronto ON M7A 0A7	1 electronic/ email copy each (preferred)	T: 416-314-7643 katherine.kirzati@ontario.ca	Contact Karla Barboza as initial step prior to circulating documents. All individual and site specific Class EAs for South-western Ontario which covers upper- and single-tier municipalities from Grey, Wellington, Waterloo, Brant and Norfolk, westward, plus Northern Ontario (Kenora, Rainy River, Thunder Bay, Cochrane, Algoma).
Ms. Laura Hatcher, Heritage Planner	1 electronic/ email copy each (preferred)	On parental leave	Contact Karla Barboza as initial step prior to circulating documents.
Mr. Dan Minkin, Heritage Planner Heritage Planning Unit Programs and Services Branch Ministry of Heritage, Sport, Tourism and Culture Industries 401 Bay Street, Suite 1700 Toronto ON M7A 0A7	1 electronic/ email copy each (preferred)	T: 416-314-7147 dan.minkin@ontario.ca	Contact Karla Barboza as initial step prior to circulating documents. All individual and site specific Class EAs in Central Ontario, which covers upper- and single-tier municipalities of: Hamilton, Halton, Niagara, Peel, Dufferin; Durham, York, Toronto, Simcoe, Muskoka, Kawartha Lakes, Haliburton, Peterborough and Northumberland.

Ms. Kimberly Livingstone, Heritage Planner(A) Heritage Planning Unit Programs and Services Branch Ministry of Heritage, Sport, Tourism and Culture Industries 401 Bay Street, Suite 1700 Toronto ON M7A 0A7	1 electronic/ email copy each (preferred)	T. 416-314-7133 kimberly.livingstone@ontario.ca	Contact Karla Barboza as initial step prior to circulating documents. All individual and site specific Class EAs in Eastern Ontario which covers upper- and single-tier municipalities from Hastings, east to the Quebec border, as well as Renfrew, Parry Sound, Nipissing, Sudbury, Timiskaming, Algoma and Cochrane, including Manitoulin.

From: Dora Ciccarelli <DCiccarelli@rvanderson.com>
Sent: Wednesday, April 15, 2020 8:05 AM
To: Hamilton, James (MHSTCI) <James.Hamilton@ontario.ca>
Subject: Notice of Commencement for the New Dundee Water Supply Iron and Manganese Upgrades Municipal Class Environmental Assessment

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Dear Sir/Madam:

Please see enclosed the Notice of Study Commencement, for the New Dundee Water Supply Iron and Manganese Upgrades Municipal Class Environmental Assessment (Class EA). The Regional Municipality of Waterloo is undertaking this Class EA to identify a preferred treatment approach for iron and manganese based on current industry standards and new technologies.

This notice is sent to your attention as it was deemed that you may be an interested stakeholder.

If you would like more information about the New Dundee Water Supply Iron and Manganese Upgrades or would like to be removed from the study's contact list, please contact the undersigned.,

Yours very truly,

Kirk Worounig, P.Eng., PMP
Consultant Project Manager
Phone: 416-497-8600 ext. 1246
Email: kworounig@rvanderson.com

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Frank Fei Feng

Subject: FW: New Dundee Water Supply Study

From: [redacted]
Sent: Sunday, April 19, 2020 12:21 PM
To: kyajima@regionofwaterlo.ca; Kirk Worounig <kworounig@RVAnderson.com>
Cc: [redacted]
Subject: New Dundee Water Supply Study

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Please include me in this study, as well as my wife at copied email address.
Would really like to see sewer assessment, but I'm sure that's a different study.

[redacted]

Right Choice CONTRACTING LTD.

[redacted]

Frank Fei Feng

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: April 22, 2020 10:14 AM
To: Jonathan Rudyk
Cc: Kirk Worounig; [redacted]
Subject: New Dundee Class EA - adding resident to email list

[redacted]

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hi Jonathan,

Could you add the following resident to the New Dundee EA email notification list:

[redacted]

Thanks
Kaoru

Frank Fei Feng

Subject: FW: request to be added to contact list Re: New Dundee water supply study

From: [redacted]
Sent: Friday, April 24, 2020 12:28 PM
To: kyajima@regionofwaterloo.ca
Cc: Kirk Worounig <kworounig@RVAnderson.com>
Subject: request to be added to contact list Re: New Dundee water supply study

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Good afternoon Kaoru and Kirk,

Please add me to your contact list regarding the New Dundee water supply study.

Cheers!
[redacted] |She/Her|Councillor|Township of Wilmot

[redacted]

[redacted]

Frank Fei Feng

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: April 24, 2020 2:39 PM
To: '[redacted]'
Cc: Jonathan Rudyk; Kirk Worounig
Subject: RE: New Dundee Water Supply - Iron and Manganese Water Treatment Upgrades

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hello [redacted],

thanks for your interest in the project.

We will add you to the contact list (Jonathan, please add Jen) and will provide updates as project progresses.

Regards,
Kaoru

From: [redacted]
Sent: April 24, 2020 12:18 PM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Subject: New Dundee Water Supply - Iron and Manganese Water Treatment Upgrades

Good afternoon Kaoru, we have a residence in New Dundee and I would like to sign up to be on the email contact list to receive notices, participation, etc…

Thank-you,
[redacted]

Frank Fei Feng

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: April 24, 2020 2:40 PM
To: '[redacted]'
Cc: Jonathan Rudyk; Kirk Worounig
Subject: RE: New Dundee Water Study

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate before Replying or Clicking on any links

Hello [redacted]

thanks for your interest in the project.

We will add you to the contact list (Jonathan, please add [redacted]) and will provide updates as project progresses.

Regards,
Kaoru

-----Original Message-----
From: [redacted]
Sent: April 24, 2020 12:38 PM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Subject: New Dundee Water Study

Please add me to the E-mail list to receive ongoing updates on the New Dundee Water Study.

Thank you
[redacted]

Frank Fei Feng

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: April 24, 2020 2:47 PM
To: '[redacted]'
Cc: Kirk Worounig; Jonathan Rudyk
Subject: RE: new dundee water supply study

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hello [redacted], [redacted],

thanks for your interest in the project, and your question.

Let us add you to the contact list for now (Jonathan, please add [redacted] and [redacted]) and will provide updates as project progresses.

You can take a look at the material and if you feel you no longer wish to be on the contact list, you can let us know.

If you are on well water, my personal observation is yes, since this is in regards to the municipal drinking water it may not affect your water. However, part of this study will be to search for a location for the new treatment equipment so you may have some desire to provide input on that front.

Regards,
Kaoru

From: [redacted] and [redacted]
Sent: April 24, 2020 1:38 PM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>; kworounig@rvanderson.com
Subject: ew dundee water supply study

Hello,
We received your notice of study commencement regarding Iron and Manganese. We are interested in the study but not sure how woild affect us as we are not on city water distribution.

We are solely reliant on our well water .

Regards

[redacted]
New Dundee

Frank Fei Feng

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: April 27, 2020 8:52 AM
To: 'General Mail'
Cc: Kirk Worounig; Jonathan Rudyk
Subject: RE: New Dundee Water Supply Study

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hello [redacted],

Yes certainly we will add you to the notification list.

Thanks for your interest in the project.

Kaoru

(Jonathan, could you add [redacted] to the contact list?)

From: General Mail [redacted]
Sent: April 25, 2020 9:02 AM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Cc: kworounig@rvanderson.com
Subject: New Dundee Water Supply Study

In response to your letter regarding the Notice of Study Commencement for the New Dundee Water Supply – Iron and Manganese Treatment Upgrades, I would like to receive more information about this study and potential upgrades. Thank you.

[redacted]

Frank Fei Feng

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: April 27, 2020 8:53 AM
To: '[redacted]'
Cc: Kirk Worounig; Jonathan Rudyk
Subject: RE: New Dundee water survey Iron and Manganese Water Treatment Upgrades

[redacted]

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate before Replying or Clicking on any links

Hello [redacted],

Yes certainly we will add you to the notification list.

Thanks for your interest in the project.

Kaoru

(Jonathan, could you add [redacted] to the contact list?)

-----Original Message-----
From: [redacted]
Sent: April 25, 2020 9:54 PM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Subject: New Dundee water survey Iron and Manganese Water Treatment Upgrades

Hello,

I am happy to add my name to the survey as I live very close to the well in New Dundee and look forward to any updates.

thank you.

[redacted]

[redacted]

Frank Fei Feng

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: April 27, 2020 11:20 AM
To: Bridget Coady; Kirk Worounig
Cc: Dora Ciccarelli; Michele Hopkins; Jonathan Rudyk
Subject: RE: Notice of Commencement for the New Dundee Water Supply Iron and Manganese Upgrades Municipal Class Environmental Assessment

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hello Bridget,

Thanks for submitting comments.

We will definitely incorporate them into the planning process for this project.

Kaoru

From: Bridget Coady <BCoady@regionofwaterloo.ca>
Sent: April 24, 2020 4:39 PM
To: kworounig@rvanderson.com; Kaoru Yajima <KYajima@regionofwaterloo.ca>
Cc: Dora Ciccarelli <DCiccarelli@rvanderson.com>; Michele Hopkins <MHopkins@regionofwaterloo.ca>
Subject: Re: Notice of Commencement for the New Dundee Water Supply Iron and Manganese Upgrades Municipal Class Environmental Assessment

Good afternoon Kirk and Kaoru,

Please find Regional Cultural Heritage comments for the below noted study area. For your reference, Lee Templeton of Archeoworks has already been in contact with me and I have forwarded on Archaeological Potential mapping for the entire study area.

Have a great weekend!

Bridget Coady MCIP, RPP
Principal Planner, Cultural Heritage
Region of Waterloo
Planning, Development and Legislative Services
150 Frederick Street 8th Fl.
Kitchener, ON N2G 4J3
t. (519) 575-4500 x. 3112
f. (519) 575-4449
bcoady@regionofwaterloo.ca

From: Dora Ciccarelli <DCiccarelli@rvanderson.com>
Sent: Wednesday, April 15, 2020 8:12 AM
To: Bridget Coady
Subject: Notice of Commencement for the New Dundee Water Supply Iron and Manganese Upgrades Municipal Class Environmental Assessment

Dear Sir/Madam:

Please see enclosed the Notice of Study Commencement, for the New Dundee Water Supply Iron and Manganese Upgrades Municipal Class Environmental Assessment (Class EA). The Regional Municipality of Waterloo is undertaking this Class EA to identify a preferred treatment approach for iron and manganese based on current industry standards and new technologies.

This notice is sent to your attention as it was deemed that you may be an interested stakeholder.

If you would like more information about the New Dundee Water Supply Iron and Manganese Upgrades or would like to be removed from the study's contact list, please contact the undersigned.,

Yours very truly,

Kirk Worounig, P.Eng., PMP
Consultant Project Manager
Phone: 416-497-8600 ext. 1246
Email: kworounig@rvanderson.com

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Regional Cultural Heritage Comments - Current as of April 24th

Project: New Dundee Water Supply Iron and Manganese Upgrades Municipal Class Environmental Assessment



Summary

There are two designated properties, no municipally registered properties, and two unofficially listed properties in close proximity to 156 Alderview Drive. An archaeological assessment is required for several areas within the Study Area. There is a cemetery and a registered burial site within the project area.

The area municipal heritage contact for this project is Tracy Loch, Curator/Director Castle Kilbride, Township of Wilmot, tracy.loch@wilmot.ca, 519-634-8444 ext. 256.

Please keep Cultural Heritage staff at the Region informed as the project progresses.

The following information is compiled from an inventory of cultural heritage resources that is maintained by the Region. The inventory is updated regularly with data that is provided by the area municipalities. To ensure the accuracy of the information it should be verified with the area municipality. For more information please contact the Cultural Heritage Principal Planner at 519-575-4500 x. 3112.

This information is intended to provide a general overview of the cultural heritage resources in the project area. A Heritage Impact Assessment and/or Archaeological Assessment must be completed if identified as a requirement in the Class Environmental Assessment.

Inventory of Heritage Features

	Pre-1900 Date Built	Designated Properties	Municipally Registered	Unofficially Listed
324 Main St (including heritage barn)	1824			X
27 Mill Street (Doctor's House)	1850	IV		
183 South St	1887			X
1370 Bridge St (Band Shell)	1944	IV		
Please note there are <u>many</u> potentially significant cultural heritage properties within the study area, but Regional Staff have only noted those in relative close proximity to 156 Alderview Drive. Regional staff are able to provide additional information on other properties in the Study Area if required. Please contact Bridget Coady, Cultural Heritage Principal Planner bcoady@regionofwaterloo.ca				

Cultural Heritage Landscapes

The Township of Wilmot will be undertaking a Cultural Heritage Landscape study in 2020. It is likely that portions of New Dundee will be identified as Cultural Heritage Landscapes including, Alder Lake, New Dundee Community Park and some of the older commercial areas of the Town.

Cultural Heritage Definitions

Designated Properties – Protected from demolition and other adverse impacts
A designation confers a legal status on a property by a specific municipal by-law under the Ontario Heritage Act. Designation may fall under one of two categories under the Ontario Heritage Act: Part IV (individual designation) or Part V (district designation). Designation is an Area Municipal responsibility. The Area Municipal Council has the legal authority to refuse an application that will adversely affect the property's heritage attributes.

Municipally Registered/Listed Properties – Interim protection from demolition
The municipal register is the official list or record of cultural heritage properties that have been identified as being important to the community. The register includes all properties in the municipality that are designated under Part IV (individual designation) and Part V (district designation) of the Ontario Heritage Act. In addition, the municipal register may include properties of cultural heritage value or interest that have not been designated under the Ontario Heritage Act. This is commonly known as "listing." The Area Municipal Council must be given at least 60 days notice of intention to demolish or remove a building or structure on the property. This allows time for the municipality to decide whether to begin the designation process to give long term protection to the property.

The Process for Protected (Listed or Designated) Heritage Properties
If there are protected heritage properties located within the project boundaries of a Schedule B or C project a Heritage Impact Assessment (HIA) must be completed and Heritage Planning Staff at the Region and Area Municipality should be notified. The first phase of the HIA will provide an inventory of the heritage resources that are located within the project area. This inventory will provide more detail about the resources that have been identified in the PDR and may identify additional resources. The inventory should be used to identify and evaluate the impacts that the alternative solutions and design concepts will have on the heritage properties. Impacts to protected (listed/designated) heritage properties within the project boundaries should be avoided whenever possible.

Unofficially Identified Cultural Heritage Resources – No legal protection
Cultural Heritage Staff maintain a broad inventory of cultural heritage resources in the Region. These resources have been identified using a variety of sources including walking tours, local inventories, local histories, planning documents, heritage research projects, etc. Although these properties do not have any official heritage status or protection they may be potential candidates for designation or listing on a municipal register. If a historically significant property is threatened, a community may recognize its value and attempt to acquire some sort of heritage protection for the resource.

Regionally Significant Heritage Resources
Cultural Heritage staff have established Council approved criteria to evaluate and subsequently inventory Regionally Significant Heritage Resources (RSHR). RSHRs are defined as buildings, structures, monuments, bridges, railway stations, rivers, waterways, streets, parks, gardens, open spaces, districts, cemeteries, cultural landscapes, or archaeological sites of heritage importance that are significant regionally, provincially, nationally or internationally.

Cultural Heritage Landscapes
Cultural Heritage Landscapes are a defined geographical area that may have been modified by human activity and are identified as having cultural heritage value or interest by a community, including an Aboriginal community. The area may involve features such as structures, spaces, archaeological sites or natural elements that are valued together for their interrelationship, meaning or association. Examples may include, but are not limited to, heritage conservation districts designated under the Ontario Heritage Act; villages, parks, gardens, battlefields, mainstreets and neighbourhoods, cemeteries, trailways, viewsheds, natural areas and industrial complexes of heritage significance; and areas recognized by federal or international designation authorities (e.g. a National Historic Site or District designation, or a UNESCO World Heritage Site).

Pre -1900 Residential Properties – For information
Residential structures in the project area that were built prior to 1900 have been identified. These identified historic structures have no formal heritage protection. However, historic buildings that have maintained their heritage value could be candidates for further heritage protection. Property data is taken from the Municipal Property Assessment Corporation (MPAC). The date that is assigned to a property represents the oldest structure on the lot.

Additional Definitions

Heritage Easements – Property specific protection that is registered on title
A Heritage Easement Agreement is a tool used to ensure a building's preservation. It is an agreement that is entered into between the property owner and the Area Municipality and registered on title. A Heritage Easement Agreement identifies elements of a building which are to be retained in perpetuity and may also set out permitted alterations and development.

Heritage Bridges
The Region's Heritage Planning Advisory Committee has produced *Spanning the Generations: a Study of Old Bridges in Waterloo Region*. Phase I is an inventory and ranking of more than 100 bridges based on their heritage attributes. Phase 2 documents the 10 most historically significant bridges. Phase 3 focuses on steel truss bridges. The document also contains protection and maintenance strategies for historic bridges in the Region. Any work on an identified historic bridge should be done in conjunction with this

document. For a hard copy of this document please contact the Cultural Heritage Planner at 519-575-4094.

A supplemental Regional Bridge Inventory was compiled in July 2012 by Cultural Heritage Planning Staff. The inventory provides a general overview of Regionally owned bridges built post-1930 and contains information and photos on each structure. The inventory was compiled as a resource to help assess the heritage value of the bridge structures. The study does not include Regionally owned culverts. Because the data contained in this report is reviewed and evaluated on a continual basis, it is only accurate as of July 2012. For the most accurate and up-to-date data on Regional bridges please contact Shawn Buckley sbuckley@regionofwaterloo.ca.

For ease, the Regional Bridge Inventory is sorted both by date of construction (DOCs # 1329552) and by Structure ID No. (DOCs # 1329856).

Inventory of Modern Architecture
In 1996, the Kitchener Waterloo Art Gallery published, *Images of Progress: 1946-1996 Modern Architecture in Waterloo Region*. The book inventoried good examples of modern architecture throughout the Region of Waterloo. The identified resources should be noted when any work is done in their vicinity.

Archaeological Potential – Areas with a high potential for discovering artefacts
If the project area is **wholly or partially** located within an area that has been identified as having archaeological potential then an archaeological assessment is required to be undertaken by a licensed archaeologist in accordance with the Ontario Heritage Act. Alternatively, if the project area is located in an area that does not have archaeological potential or that has been previously assessed and cleared, then no archaeological assessment is required.

When an assessment is required:
Archaeological Assessment
That prior to any grading, construction or other site disturbance, a licensed Archaeologist shall carry out an Archaeological Resource Assessment of the project area to be acknowledged by the Ministry of Heritage, Sport Tourism and Culture Industries, and any adverse impacts to significant archaeological resources found shall be mitigated, through preservation or resource removal and documentation.

When an assessment is not required:
Archaeological Resources Found during Construction
Although the project area appears to be disturbed through past development, the Region should be aware of the possibility of unearthing archaeological remains during construction, and be prepared to follow proper procedure should any cultural or human remains be encountered.

If any other archaeological resources are encountered during construction all activity must cease and the Ministry of Heritage, Sport Tourism and Culture Industries (519-675-6898 or 416-212-8002) should be contacted immediately. In most cases, additional investigation and reporting of the cultural deposits will be required to be undertaken by a provincially licensed archaeologist at the expense of the proponent.

If human remains or artifacts associated with human remains are encountered during construction, all activity at the discovery site and in the immediate area of the discovery must cease immediately. The Region is required to contact the local police and coroner. In addition, the Ministry of Heritage, Sport

Tourism and Culture Industries (519-675-6898 or 416-212-8002), and the Registrar of the Bereavement Authority of Ontario (416-326-8404) should be notified. Appropriate procedures for dealing with the human remains will be determined by these organizations.

Cemeteries

If a cemetery is located adjacent to the Study Area the Area Municipality should be informed of any potential impacts to the cemetery. If land acquisition is required then the Bereavement Authority of Ontario should be contacted.

Frank Fei Feng

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: April 29, 2020 8:35 AM
To: '[redacted]'
Cc: Jonathan Rudyk; Kirk Worounig
Subject: RE: New Dundee Water Supply

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hello [redacted],

Thanks for taking the time to respond.

Right now, other than the notice you received, we don't have any further information on the project.

I'll ask Jonathan, cc'd, to put you on the email notice list when we have material ready.

Thanks also for your note about public gatherings. The team is currently developing ways to ensure the public is able to stay safe and still receive the information / provide opportunities to submit feedback. We'll have more details on this as well as the project evolves.

Regards,
Kaoru

(Jonathan, please add [redacted] to the notice list – tks)

From: [redacted]
Sent: April 29, 2020 8:22 AM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Subject: New Dundee Water Supply

Hello Kaoru

My name is [redacted] and I received a notice of study . Looking for more information if possible. With the current restrictions on public gathering adds to the challenge .

Thank you for your time

[redacted]

Frank Fei Feng

From: Trevor Heywood <theywood@grandriver.ca>
Sent: April 29, 2020 12:17 PM
To: Jonathan Rudyk; Kaoru Yajima
Cc: Kirk Worounig
Subject: RE: adding name to contact list

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Please remove Beth, she has moved to another position with GRCA. I will be the main contact going forward.

Thanks,

Trevor Heywood
Resource Planner
Grand River Conservation Authority
400 Clyde Road, PO Box 729, Cambridge ON N1R 5W6
519-621-2763 x2292 | theywood@grandriver.ca

From: Jonathan Rudyk <JRudyk@rvanderson.com>
Sent: Wednesday, April 29, 2020 12:14 PM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Cc: Kirk Worounig <kworounig@RVAnderson.com>; Trevor Heywood <theywood@grandriver.ca>
Subject: RE: adding name to contact list

Hi Kaoru,

Yes, just checking we had sent the Notice to Beth Brown via email. I can add Trevor to the list as well though.

Jonathan Rudyk, EIT
Process Designer
Phone: 416-497-8600 x1497

R.V. Anderson Associates Limited
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Toronto, ON M2J 4Z8
website | facebook | twitter | linkedin

GREATER TORONTO'S TOP 2020 EMPLOYERS

Our new Halton office is now open
4900 Palladium Way, Suite 200, Burlington, ON.

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: April 29, 2020 11:47 AM

To: Jonathan Rudyk <JRudyk@rvanderson.com>
Cc: Kirk Worounig <kworounig@RVAnderson.com>; Trevor Heywood <theywood@grandriver.ca>
Subject: adding name to contact list

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hello Jonathan,

Could you please add Trevor Heywood, Resource Planner at the GRCA, to the contact list for the New Dundee Water Supply Class EA project? He is responsible for Wilmot Township.

I know we sent the GRCA a notice of commencement earlier this month, but it may not have reached him yet. I provided him with a link to the Region's project page.

Thanks,
Kaoru

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Frank Fei Feng

From: Trevor Heywood <theywood@grandriver.ca>
Sent: April 30, 2020 9:10 AM
To: [redacted]
Cc: Kirk Worounig; Jonathan Rudyk; Kaoru Yajima
Subject: RE: New Dundee water supply study

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hi [redacted],

I'll have to make some inquiries internally to get you a more thorough answer about Alder Lake.

To my knowledge, we monitored water quality on the Nith downstream of Ayr, but not sure if that has changed in recent years, or if we have other monitoring stations further upstream. I believe testing also occurred after the fish dieoff last year, but don't know how comprehensive it was given it was investigating something specific.

As for swimming, Alder Lake is an operational reservoir behind New Dundee Dam. Swimming would have to be established in a designated area, and a number of things (water quality, operation protocols, property agreements) would have to come together for that.

Again, I'll have to ask internally to get you more information. It may be a while before I'm able to obtain some answers, given the operational challenges and other priorities were facing right now. But when I receive anything, I'll pass it along.

All the best,

Trevor Heywood
Resource Planner
Grand River Conservation Authority
400 Clyde Road, PO Box 729, Cambridge ON N1R 5W6
519-621-2763 x2292 | theywood@grandriver.ca

From: [redacted]
Sent: Thursday, April 30, 2020 8:21 AM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Cc: 'Kirk Worounig' <kworounig@RVAnderson.com>; Jonathan Rudyk <JRudyk@rvanderson.com>; Trevor Heywood <theywood@grandriver.ca>
Subject: Re: New Dundee water supply study

Firstly, I would be interested in knowing the quality of the new Dundee municipal drinking water system for sure Kaoru. Please keep us informed as to what is happening please.

Also, I would be interested in the quality of Alder lake and alder creek water as well.
Trevor, I know the GRCA has been monitoring this information for quite some time due to the past history of this town.

I guess our main question is; will we ever be able to swim And play in Alder lake? Or is it impossible to ever reverse the damage that was due to dumping water way?
Moreover, what is the damage that has been sustained to the soil and does this permeate our water table / drinking water system?
I assume this is why we have our municipal filtration and purification systems in place.

Thank you for your time and consideration in this matter.

[redacted]

Sent from Yahoo Mail for iPhone

On Wednesday, April 29, 2020, 2:01 PM, Kaoru Yajima <KYajima@regionofwaterloo.ca> wrote:

Hello [redacted],

Thanks for reaching out about our project.

In regards to your question, could you clarify if you were referring to the water quality in Alder Creek, or were you referring to the quality in the municipal drinking water system in New Dundee? I wasn't sure by your email.

If it's the municipal system, then through this project, we will be looking at the best way to add treatment at our facility at 156 Alderview Road. We'll be providing updates to the project as it evolves and give opportunities to provide input.

It you were referring to Alder Creek, that is beyond the scope of this project. If you wanted to enquire further, Trevor Heywood at the Grand River Conservation Authority (GRCA) may be able to answer your questions better. I've cc'd him on this email.

Either way, if you could clarify, that would be great.

Regards,

Kaoru

From: Kirk Worounig <kworounig@RVAnderson.com>
Sent: April 29, 2020 10:20 AM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>; Jonathan Rudyk <JRudyk@rvanderson.com>
Subject: FW: New Dundee water supply study

Hi Kaoru,

I received this email from a resident of New Dundee. Can you respond to their question.

Kirk

From: [redacted]
Sent: Wednesday, April 29, 2020 10:07 AM
To: Kirk Worounig <kworounig@RVAnderson.com>
Subject: New Dundee water supply study

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hello Kirk,

I am [redacted] and we live at [redacted] new Dundee [redacted].

My father in law and I have Been talking about how polluted the water system must be due to its past history. We are willing to help you in anyway possible to find out the quality of the water and the possibilities to reverse the damage that was done.

Please let us know what we can do to help you out in anyway.

[redacted]

Frank Fei Feng

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: April 30, 2020 9:46 AM
To: '[redacted]'
Cc: Kirk Worounig; Jonathan Rudyk; 'Trevor Heywood'
Subject: RE: New Dundee water supply study

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hello [redacted],

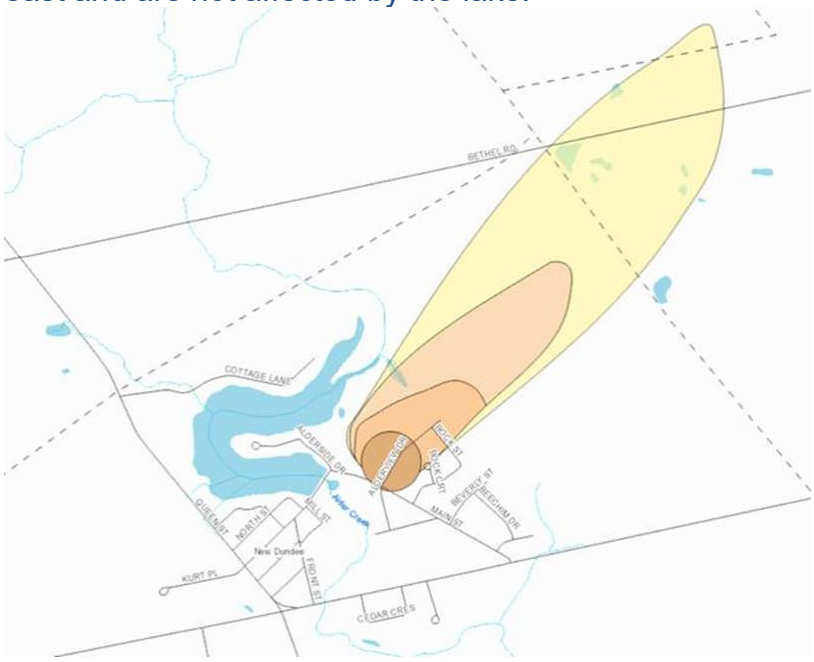
Thanks for your questions. Let me respond to your questions on the municipal system.

For a quick snapshot of any municipality's water quality, you can get it in their annual water quality report. The Region's report for New Dundee here: (it's 250 pages long but see the 210th thru 214th pages to find New Dundee):

https://www.regionofwaterloo.ca/en/resources/water/2019-RMOW-Water-Quality-Report.pdf

As part of this project, we will be taking a closer look at the water quality to identify options for treatment and will be presenting these results as the project evolves.

On the question of the lake and municipal system, this is a diagram that Trevor pulled from the GRCA mapping tool showing the lake in relation to the municipal well sources. The coloured areas can be thought of as the reach of the wells. As you can see, the wells generally pull water from the north-east and are not affected by the lake.



Frank Fei Feng

From: Kirk Worounig
Sent: April 30, 2020 5:13 PM
To: Jonathan Rudyk
Subject: FW: New Dundee Water Supply Class EA
Attachments: GRCA Map.pdf; 2020-04-30 New Dundee Water Class EA NoComm GRCA response.pdf

---

From: Trevor Heywood <theywood@grandriver.ca>
Sent: Thursday, April 30, 2020 4:59 PM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Cc: Kirk Worounig <kworounig@RVAnderson.com>
Subject: New Dundee Water Supply Class EA

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hi Kaoru,

Please see the GRCA's response to the Notice of Commencement.

Regards,

Trevor Heywood
Resource Planner
Grand River Conservation Authority
400 Clyde Road, PO Box 729, Cambridge ON N1R 5W6
519-621-2763 x2292 | theywood@grandriver.ca

Administration Centre: 400 Clyde Road, P.O. Box 729 Cambridge, ON N1R 5W6

Phone: 519-621-2761 Toll free: 1-866-900-4722 Fax: 519-621-4844 www.grandriver.ca

April 30, 2020

Kaoru Yajima
Senior Engineer, Region of Waterloo
150 Frederick Street
Kitchener ON N2G 4J3
kyajima@regionofwaterloo.ca

Re: Municipal Class Environmental Assessment – New Dundee Water Supply Treatment Upgrades
156 Alderview Drive, New Dundee
Township of Wilmot

Dear Kaoru Yajima,

The Grand River Conservation Authority (GRCA) has received the Notice of Commencement for the above-noted Class Environmental Assessment (Class EA).

The study area contains Alder Creek and its associated floodplain, riverine valley, and wetlands. While 156 Alderview Drive is not regulated, the Class EA may propose measures that have the potential to impact the regulated features in the broader study area. Furthermore, the GRCA owns the nearby New Dundee Dam. We may offer comments from a property ownership and dam operation perspective.

As such, the GRCA wishes to stay involved as the EA process moves forward. Please include the GRCA on the Project mailing list. If you have any questions or require additional information, please contact me at 519-621-2763 ext. 2292 or theywood@grandriver.ca.

Sincerely,

Trevor Heywood
Resource Planner
Grand River Conservation Authority



Map Centre (UTM NAD83 z17): 537,835.42 4,800,157.81

This map is not to be used for navigation | 2018 Ortho (RMOW)

Grand River Conservation Authority

Date: Apr 29, 2020

Author: TH

New Dundee Water Supply Treatment Upgrades

Legend

- Regulation Limit (GRCA)
- Regulated Watercourse (GRCA)
- Regulated Waterbody (GRCA)
- Wetland (GRCA)
- Floodplain (GRCA)
  - Engineered
  - Estimated
  - Approximate
  - Special Policy Area
- Slope Valley (GRCA)
  - Steep
  - Oversteep
  - Steep
- Slope Erosion (GRCA)
  - Oversteep
  - Toe
- Lake Erie Flood (GRCA)
- Lake Erie Shoreline Reach (GRCA)
- Lake Erie Dynamic Beach (GRCA)
- Lake Erie Erosion (GRCA)
- Parcel - Assessment (MPAC/MNRF)

This legend is static and may not fully reflect the layers shown on the map. The text of Ontario Regulation 150/06 supercedes the mapping as represented by these layers.

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Disclaimer: This map is for illustrative purposes only. Information contained herein is not a substitute for professional review or a site survey and is subject to change without notice. The Grand River Conservation Authority takes no responsibility for, nor guarantees, the accuracy of the information contained on this map. Any interpretations or conclusions drawn from this map are the sole responsibility of the user.
The source for each data layer is shown in parentheses in the map legend. For a complete listing of sources and citations go to: https://maps.grandriver.ca/Sources-and-Citations.pdf

0 40 80 160 240 Metres

N

NAD 1983 UTM Zone 17N

Scale: 7,156

Frank Fei Feng

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: May 4, 2020 8:35 AM
To: '[redacted]'
Cc: Kirk Worounig; Jonathan Rudyk
Subject: RE: Water study - New Dundee

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hello [redacted],

Thanks for reaching out – we'll put you on our email mailing list and notify you for upcoming opportunities to participate.

Regards,

Kaoru

From: [redacted] <Robert_Moser@manulife.com>
Sent: May 2, 2020 9:22 AM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Subject: Water study - New Dundee

Hello,

I would like to participate in this study.

Thanks,

[redacted]

Frank Fei Feng

Subject: FW: Notice of Study Commencement - New Dundee Water Supply - Iron and Manganese Water Treatment

From: Harvey, Joseph (MHSTCI) <Joseph.Harvey@ontario.ca>
Sent: May 6, 2020 12:38 PM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Cc: Barboza, Karla (MHSTCI) <Karla.Barboza@ontario.ca>; Kirzati, Katherine (MHSTCI) <Katherine.Kirzati@ontario.ca>; kworounig@rvanderson.com
Subject: Notice of Study Commencement - New Dundee Water Supply - Iron and Manganese Water Treatment

Kaoru Yajima,

Please find attached, a letter acknowledging the receipt of your notice of commencement. Contact us with any further questions or concerns.

Joseph Harvey
On behalf of

Katherine Kirzati
Heritage Planner
Heritage Planning Unit
Katherine.Kirzati@Ontario.ca

Ministry of Heritage, Sport, Tourism, and Culture Industries

Programs and Services Branch
401 Bay Street, Suite 1700
Toronto, ON M7A 0A7
Tel: 416.314.7643

Ministère des Industries du Patrimoine, du Sport, du Tourisme et de la Culture

Direction des programmes et des services
401, rue Bay, Bureau 1700
Toronto, ON M7A 0A7
Tél: 416.314.7643

Ontario

May 6, 2020 EMAIL ONLY

Kaoru Yajima, P.Eng
Sr. Engineer
Region of Waterloo
kyajima@regionofwaterloo.ca

MHSTCI File	**:**	**0012287**
Proponent	**:**	**Region of Waterloo**
Subject	**:**	**Notice of Study Commencement**
Project	**:**	**New Dundee Water Supply – Iron and Manganese Water Treatment Upgrades**
Location	**:**	**156 Alderview Road, Town of New Dundee, Township of Wilmot, Region of Waterloo**

Dear Kirk Worounig:

Thank you for providing the Ministry of Heritage, Sport, Tourism and Culture Industries (MHSTCI) with the Notice of Study Commencement for the above-referenced project. MHSTCI's interest in this Environmental Assessment (EA) project relates to its mandate of conserving Ontario's cultural heritage, which includes:

- Archaeological resources, including land and marine;
- Built heritage resources, including bridges and monuments; and,
- Cultural heritage landscapes.

Under the EA process, the proponent is required to determine a project's potential impact on cultural heritage resources. The recommendations below are for a Schedule C Municipal Class EA project, as described in the notice of study commencement.

Project Summary
The Region of Waterloo has initiated a Municipal Class Environmental Assessment (EA) Study for iron and manganese treatment upgrades for the New Dundee Water Supply System. The Study will review and provide recommendations related to iron and manganese treatment upgrades based on current industry standards and new technologies, as well as the location of potential upgrades, should they be recommended.

Identifying Cultural Heritage Resources
While some cultural heritage resources may have already been formally identified, others may be identified through screening and evaluation. Indigenous communities may have knowledge that can contribute to the identification of cultural heritage resources, and we suggest that any engagement with Indigenous communities includes a discussion about known or potential cultural heritage resources that are of value to these communities. Municipal Heritage Committees, historical societies and other local heritage organizations may also have knowledge that contributes to the identification of cultural heritage resources.

Archaeological Resources
The *Criteria for Evaluating Archaeological Potential* is used to determine if an archaeological assessment is needed. We understand that an archaeologist licenced under the OHA has been retained, who will complete the necessary archaeological assessment work and will be responsible for submitting the reports directly to MHSTCI for review.

Built Heritage and Cultural Heritage Landscapes
The MHSTCI *Criteria for Evaluating Potential for Built Heritage Resources and Cultural Heritage Landscapes* should be completed to help determine whether this EA project may impact cultural heritage resources.

If potential or known heritage resources exist, MHSTCI recommends that a Heritage Impact Assessment (HIA), prepared by a qualified consultant, should be completed to assess potential project impacts. Our Ministry's *Info Sheet #5: Heritage Impact Assessments and Conservation Plans* outlines the scope of HIAs. Please send the HIA to MHSTCI for review, and make it available to local organizations or individuals who have expressed interest in review.

Environmental Assessment Reporting
All technical cultural heritage studies and their recommendations are to be addressed and incorporated into EA projects. Please advise MHSTCI whether any technical cultural heritage studies will be completed for this EA project, and provide them to MHSTCI before issuing a Notice of Completion or commencing any work on the site. If screening has identified no known or potential cultural heritage resources, or no impacts to these resources, please include the completed checklists and supporting documentation in the EA report or file.

Thank you for consulting MHSTCI on this project and please continue to do so throughout the EA process. If you have any questions or require clarification, do not hesitate to contact me.

Sincerely,

Joseph Harvey
On behalf of

Katherine Kirzati
Heritage Planner
Heritage Planning Unit
Katherine.Kirzati@Ontario.ca

Copied to: Kirk Worounig, Project Manager, R.V. Anderson Associates Ltd.

It is the sole responsibility of proponents to ensure that any information and documentation submitted as part of their EA report or file is accurate. MHSTCI makes no representation or warranty as to the completeness, accuracy or quality of the any checklists, reports or supporting documentation submitted as part of the EA process, and in no way shall MHSTCI be liable for any harm, damages, costs, expenses, losses, claims or actions that may result if any checklists, reports or supporting documents are discovered to be inaccurate, incomplete, misleading or fraudulent.

Please notify MHSTCI if archaeological resources are impacted by EA project work. All activities impacting archaeological resources must cease immediately, and a licensed archaeologist is required to carry out an archaeological assessment in accordance with the *Ontario Heritage Act* and the *Standards and Guidelines for Consultant Archaeologists*.

If human remains are encountered, all activities must cease immediately and the local police as well as the Registrar, Burials of the Ministry of Government and Consumer Services (416-326-8800) must be contacted. In situations where human remains are associated with archaeological resources, MHSTCI should also be notified to ensure that the site is not subject to unlicensed alterations which would be a contravention of the *Ontario Heritage Act*.

Frank Fei Feng

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: May 13, 2020 4:12 PM
To: Jonathan Rudyk
Cc: Kirk Worounig
Subject: New Dundee - request to be removed from contact list

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Jonathan,

I rec'd a voicemail saying the following person wishes to be removed from the notice list:

[redacted] (sp? – I couldn't catch the last name)
[redacted],
New Dundee

The request was phoned in on April 20, 2020

Please ensure they no longer receive any notices.

Thanks
Kaoru

****

Kaoru Yajima , Sr. Project Engineer
Transportation and Environmental Services, Water Services
Region of Waterloo
150 Frederick Street, 7th Floor
Kitchener, Ontario, Canada N2G 4J3
tel: 1-519-575-4757 ext.3349
fax: 1-519-575-4452



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Appendix F-4

Public Consultation Centre #1 Notice, Advertisements, Materials, and Correspondence

R.V. Anderson Associates Limited
2001 Sheppard Avenue East Suite 300
Toronto Ontario M2J 4Z8 Canada
Tel 416 497 8600 Fax 855 833 4022
www.rvanderson.com

Date RVA 194591

Addressee
Street Address
City, Province
Postal Code

Dear Sir/Madam:

Re: Notice of Virtual Public Consultation Centre #1
Video Uploaded June 18, 2020, to YouTube and Region of Waterloo Website
New Dundee Water Supply System – Iron and Manganese Treatment Upgrades
Schedule 'C' Class Environmental Assessment

Please see enclosed the Notice of Virtual Public Consultation Centre #1 for the New Dundee Water Supply System – Iron and Manganese Treatment Upgrades Municipal Class Environmental Assessment (Class EA). The Regional Municipality of Waterloo is undertaking this Class EA to identify a preferred approach for iron and manganese treatment.

If you would like more information about the New Dundee Water Supply System – Iron and Manganese Treatment Upgrades or would prefer to be removed from the study's contact list, please contact the undersigned.

Kaoru Yajima, P.Eng.
Sr. Engineer, Water Services
Region of Waterloo
150 Frederick Street, 7th Floor
Kitchener, ON N2G 4J3

Phone: 519-575-4757 ext. 3349
Email: kyajima@regionofwaterloo.ca

Kirk Worounig, P.Eng., PMP
Consultant Project Manager
R.V. Anderson Associates Limited
2001 Sheppard Avenue East, Suite 300
Toronto, ON M2J 4Z8

Phone: 416-497-8600 ext. 1246
Email: kworounig@rvanderson.com

Encls.
Notice of Virtual Public Consultation Centre #1

CANADA'S BEST MANAGED COMPANIES
Platinum member

Notice of Virtual Public Consultation Centre #1
New Dundee Water Supply – Iron and Manganese Water Treatment Upgrades
Municipal Class Environmental Assessment

The Region of Waterloo has initiated a Municipal Class Environmental Assessment (EA) Study for iron and manganese treatment upgrades for the New Dundee Water Supply System. The New Dundee Water Supply System is located at 156 Alderview Road in the Town of New Dundee, in the Township of Wilmot. The Study will review and provide recommendations related to iron and manganese treatment upgrades based on current industry standards and new technologies, as well as the location of potential upgrades, should they be recommended.

How is this Study being undertaken?

This Study is being undertaken as a Schedule 'C' project in accordance with the requirements of the Municipal Class Environmental Assessment (October 2000, as amended in 2007, 2011 and 2015), which is an approved process under the Ontario Environmental Assessment Act.

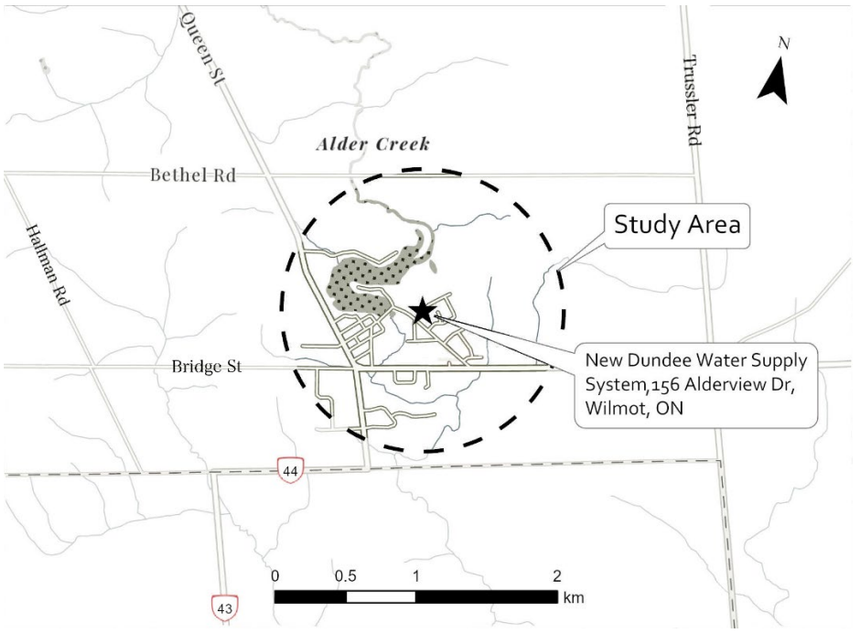


Figure 1: Study Area

How can I participate in this Study?

Three Public Consultation Centres (PCCs) are anticipated to be held as part of this study. The first PCC will be a virtual one and will be held to obtain comments on the study objectives, the planning process, and next steps.

We invite you to follow this link: https://www.regionofwaterloo.ca/CurrentWaterProjects/and view a video narration of the presentation on the Region's website or on YouTube. The slides and a transcript are available for download on the Region's website as well, and you may also fill out a Comments Form on the website for submittal to the Project Team. Please submit any comments you may have by July 8, 2020.

If you would like more information on the Study, would like to be removed from the contact list, have any questions about the study, or would like physical copies of the slides, transcript, or Comments Form, please contact either:

Kaoru Yajima, P.Eng.
Sr. Engineer, Water Services
Region of Waterloo
Phone: 519-575-4757 ext. 3349

Email: kyajima@regionofwaterloo.ca

Kirk Worounig, P.Eng., PMP
Project Manager
R.V. Anderson Associates Limited
Phone: 416-497-8600 ext. 1246

Email: kworounig@rvanderson.com

All comments and information received from individuals, stakeholder groups and agencies regarding this project are being collected under the authority of the "Municipal Act" to assist the Region of Waterloo in making a decision. Under the "Municipal Act", personal information such as name, address, telephone number, and property location that may be included in a submission becomes part of the public record. Questions regarding the collection of this information should be referred to Kaoru Yajima at the Region of Waterloo.

Region of Waterloo

New Dundee Water Supply – Iron and Manganese Treatment Upgrades

Schedule "C" Class Environmental Assessment

Virtual Public Consultation Centre #1

arva

File Uploaded on Thursday June 18, 2020 to the Region of Waterloo's website and YouTube Page

Welcome!

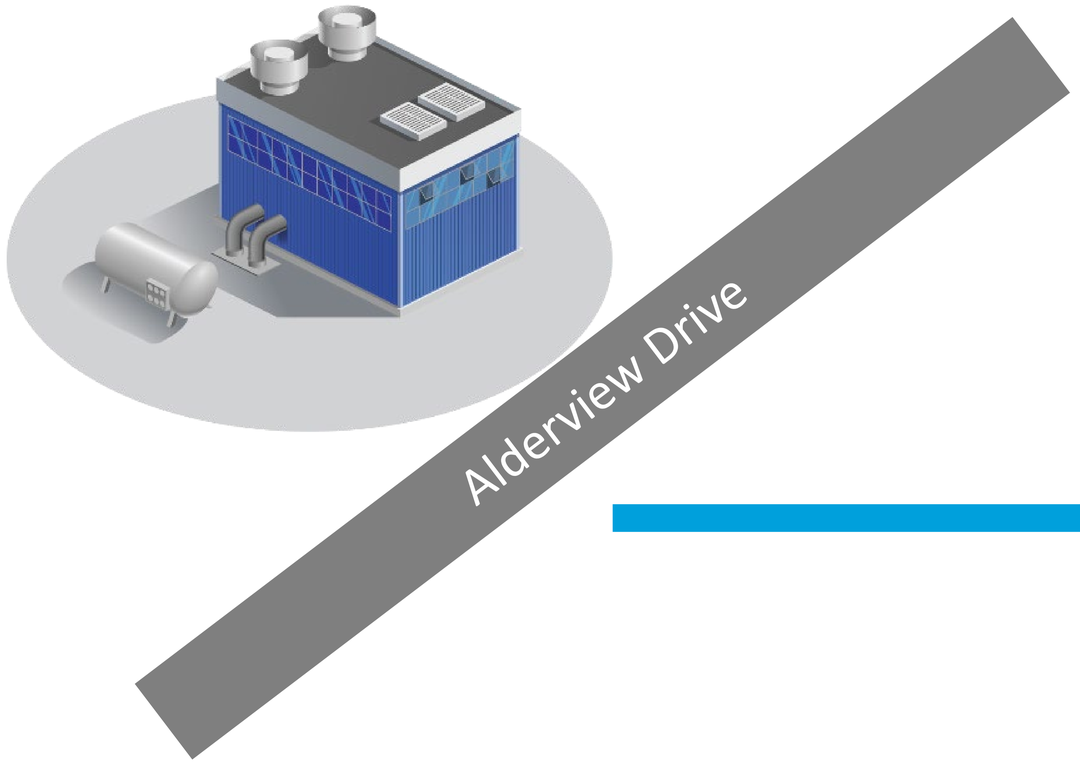
The Goals of this Virtual Public Consultation Centre:

- Introduce the project and the reasons why it is being done
- Provide an overview of the process that will be followed for the project
- Provide background information on the New Dundee Water Supply System
- Answer any questions you may have and provide an opportunity to get involved in the project

Comments received during this study will be used to identify a recommended approach for the New Dundee Water Supply iron and manganese treatment

The New Dundee drinking water supply system

New Dundee Water supply facility



Community of New Dundee



The New Dundee water supply system supplies drinking water to the community of New Dundee and is one of the Region of Waterloo's Rural Water Supply systems. The facility is operated by the Region, but the watermains are operated by the Township of Wilmot

New Dundee water supply facility



The New Dundee Water Supply facility is located at 156 Alderview Drive in the Township of Wilmot, in the Community of New Dundee.

The facility consists of two well-heads, one wellhouse, two reservoirs, an electrical room, and a portable generator.

New Dundee water supply system iron and manganese treatment upgrades project overview

What are we doing?

Planning upgrades to the New Dundee Water Supply System to provide treatment for iron and manganese. This study will look at the best way to complete these upgrades.

Why are we doing it?

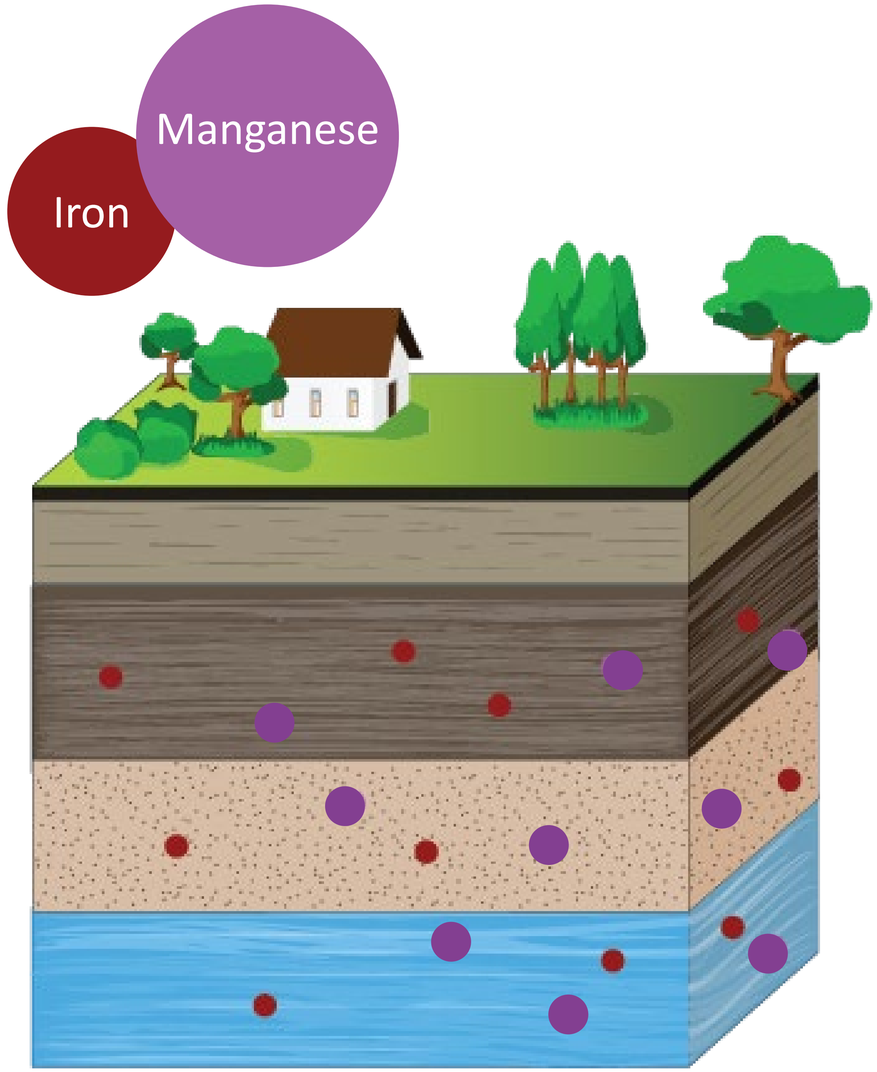
Lower aesthetic drinking water objectives for manganese are expected in the near future. The New Dundee Water Supply System has been identified as requiring upgrades to meet these future aesthetic objectives. We are taking steps now to ensure we are ready to meet these objectives.

What does it mean to you?

These upgrades will require a new building for the treatment equipment. It is expected additional property at the Region's existing water supply site or a new site will be required. There is no change in the amount of water being taken from the New Dundee Water Supply wells.



Iron and manganese in drinking water



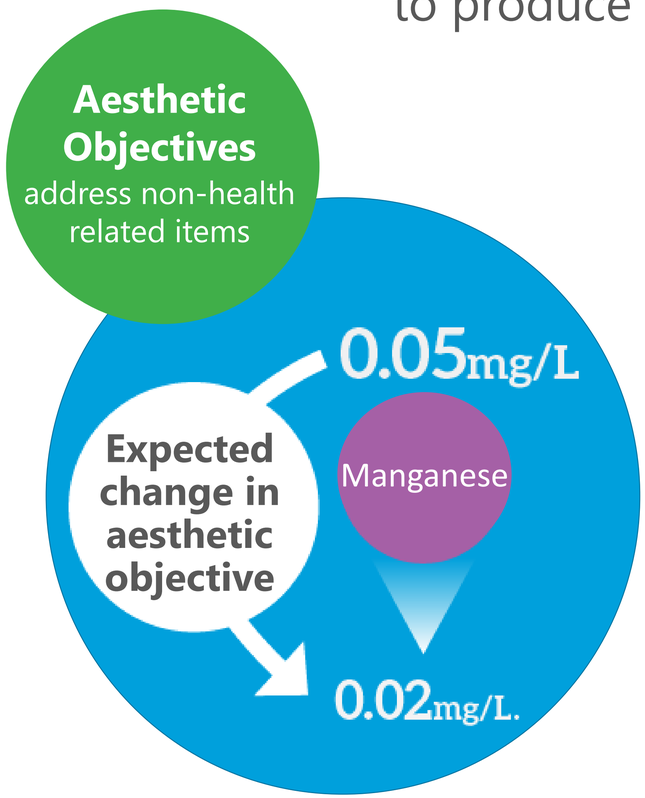
Iron and **Manganese** are naturally occurring metals commonly found in soil. They are often present in drinking water where groundwater is the source.

Iron and **Manganese** may have aesthetic impacts such as staining of laundry and fixtures, undesirable taste, and discolouration.

Changes in drinking water standards

The Province of Ontario regulates standards for drinking water to protect health and provides aesthetic objectives to produce drinking water that is pleasant to consumers.





The Province is considering a reduction to the manganese aesthetic objective in drinking water from 0.05 milligrams per litre (mg/L) to 0.02 mg/L based on guidance from Health Canada.

The New Dundee Water Supply System has been identified by the Region of Waterloo as requiring upgrades to meet future aesthetic objectives.

Overview of the Municipal Class Environmental Assessment planning process

We Are Here

Virtual Public Consultation Centre #1

Public Consultation Centre #2

Public Consultation Centre #3

Phase 1
Identify Problem and/or Opportunity

Phase 2
Develop and Evaluate Solutions and Identify Preferred Solution

Phase 3
Develop and Evaluate Design Concepts for Preferred Solution and Identify Preferred Design

Phase 4
Environmental Study Report (ESR)
30 Day Public Review

Phase 5
Implementation (Design and Construction)

This study is being completed as a Schedule C Class Environmental Assessment.
A Class Environmental Assessment is a decision making process that all municipalities in Ontario follow for building new infrastructure. The process will allow you to follow what is planned and provide opportunities for you to ask questions and provide input.

Project study area



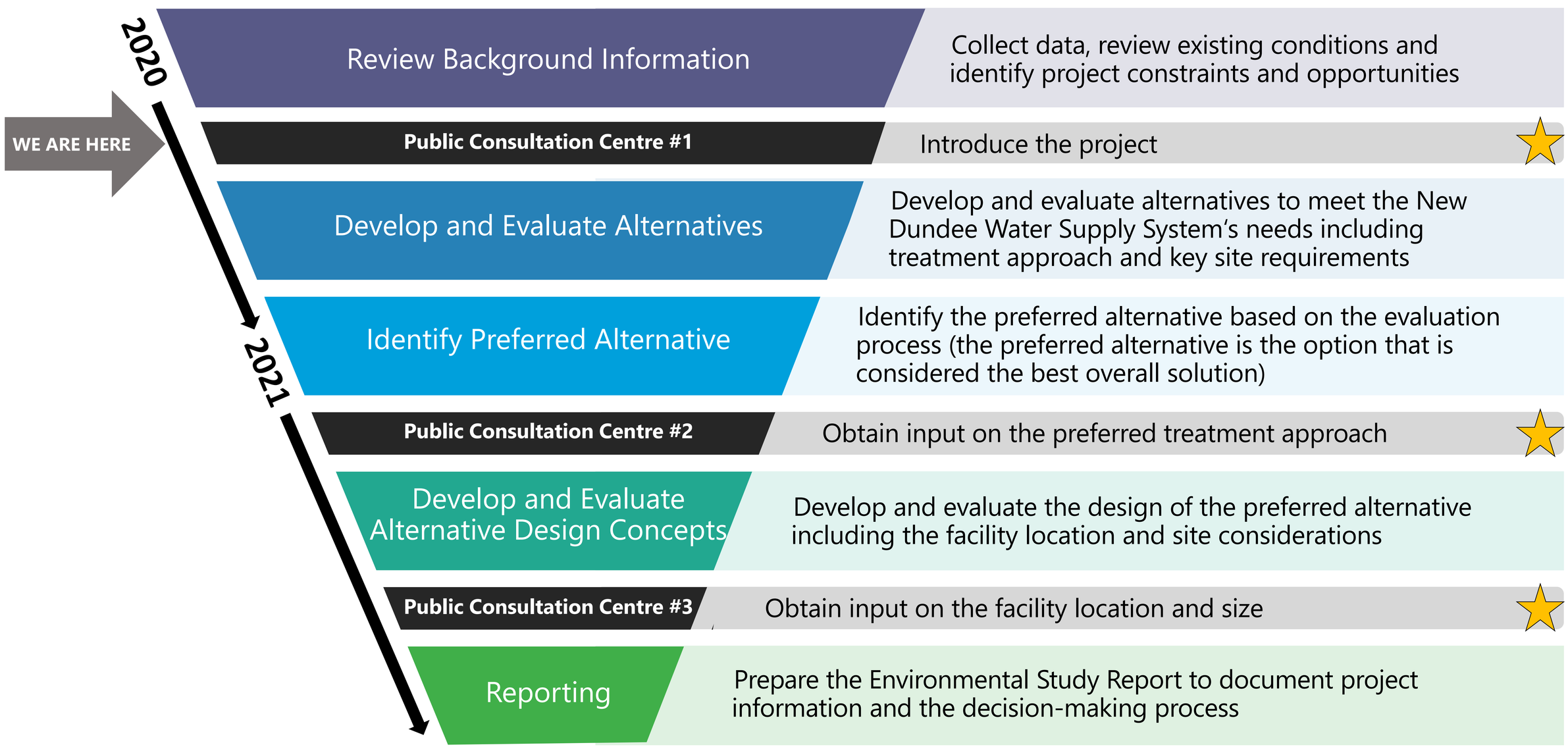
Additional background studies

As part of the Class EA process natural, archaeological, and cultural heritage sensitivities in the Study Area need to be considered when identifying a recommended approach for the iron and manganese treatment. The Barn Swallow pictured below is an example of a natural sensitivity because of its classification as a threatened species. These studies will be undertaken as part of this Class EA.



A photo of a Barn Swallow, a type of threatened bird species found in Ontario.

Next steps



Region of Waterloo Council

Region of Waterloo Council will provide approval to file the Environmental Study Report for a **30-day review period for public comment.**

An opportunity for the public to provide input

Thank you for your participation!

Get engaged!

We are still at the beginning of the New Dundee Water Supply System Iron and Manganese Treatment Upgrades Environmental Assessment. Do you have questions, comments, or want to stay up to date?

Please contact:

Kaoru Yajima, P.Eng.
Sr. Engineer, Water Services
Region of Waterloo
150 Frederick Street, 7th Floor
Kitchener, Ontario N2G 4J3
Tel: 519-575-4757 ext. 3349
Email: kyajima@regionofwaterloo.ca

Kirk Worounig, P.Eng, PMP.
Project Manager
R.V. Anderson Associates Limited
2001 Sheppard Avenue East, Suite 300
Toronto, Ontario M2J 4Z8
Tel: 416-497-8600 ext. 1246
Email: kworounig@rvanderson.com

More information, including copies of project notices and Public Consultation Centre materials like a transcript of this virtual presentation can be found at:
https://www.regionofwaterloo.ca/waterprojects

Transcript of Virtual Public Consultation Centre #1

Slide 1 – Title Slide

Hi Everyone, and welcome to the New Dundee Water Supply – Iron and Manganese Treatment Upgrades Virtual Public Consultation Centre #1, hosted by the Region of Waterloo as part of a Schedule C Municipal Class Environmental Assessment, or Class EA. My name is Jonathan Rudyk, and I work for R.V. Anderson, a company that will be assisting the Region in conducting the Class EA. I will be narrating the presentation today.

Before we begin, some housekeeping notes. This video is available on the Region of Waterloo website as of June 18, 2020 and has been uploaded to YouTube. On the Region website, there is a transcript of my narration for this presentation, and a PDF copy of the slides, as well as the contact information for Kaoru Yajima and Kirk Worounig of the project team. If you have any questions or comments on the presentation, please send it to them, or fill out a Comments Form provided on the Region website and submit it to the project team. With that, let's get started!

Slide 2 – Welcome!

The goals of this virtual public consultation centre, or virtual PCC, are as follows: Introduce the project and the reasons why it is being done, provide background information on the New Dundee water supply system, provide an overview of the process that will be followed for the project, and answer any questions you may have and provide you with an opportunity to get involved in the project. Please note that comments received during this study will be used to help identify a recommended approach for the New Dundee water supply iron and manganese treatment.

Slide 3 – The New Dundee drinking water supply system

The New Dundee drinking water supply system supplies water to the community of New Dundee in the Township of Wilmot, in the Regional Municipality of Waterloo. The system is one of the Region's Rural water supply systems. The facility is operated by the Region, and the watermains that distribute the water are operated by the Township of Wilmot.

Slide 4 – New Dundee water supply facility

The New Dundee water supply facility is located at 156 Alderview Drive, in the community of New Dundee and the Township of Wilmot. The facility consists of two wells, one wellhouse, an electrical room, two reservoirs, and a portable generator. Most of these can be seen in the photo on this slide, with the reservoirs being located off to the left side of the picture. The picture is taken from Alderview Drive, looking to the west.

Slide 5 – New Dundee water supply system iron and manganese treatment upgrades project overview

To better understand the project, we ask the following three questions.

1, what are we doing,

2, why are we doing it, and

3, what does it mean to you?

To answer the first, the Region is planning upgrades to the New Dundee water supply system to provide treatment for iron and manganese. This study will look at the best ways to complete these upgrades.

Why are we doing it? Lower aesthetic drinking water objectives for manganese are expected in the near future. The New Dundee water supply system has been identified as requiring upgrades to meet these future aesthetic objectives. As an aside, aesthetic objectives are targets we meet when treating water for taste, odour, and colour. We are taking steps now to ensure we are ready to meet these objectives.

What does it mean to you? These upgrades will require a new building for the treatment equipment. It is expected additional property at the Region's existing water supply site or a new site will be required. There is no change in the amount of water being taken from the New Dundee water supply wells.

Slide 6 – Iron and manganese in drinking water

Iron and manganese are naturally occurring metals commonly found in soil. They are often present in drinking water where groundwater is the source. Iron and manganese may have aesthetic impacts such as staining of laundry and fixtures, undesirable taste, and discolouration.

Slide 7 – Changes in drinking water standards

The Province of Ontario regulates standards for drinking water to protect health and provides aesthetic objectives to produce drinking water that is pleasant to consumers. The Province is considering a reduction to the manganese aesthetic objective in drinking water from 0.05 mg/L to 0.02 mg/L based on guidance from Health Canada. As stated in Slide 5, the New Dundee water supply system has been identified by the Region of Waterloo as requiring upgrades to meet future aesthetic objectives.

Slide 8 – Overview of the Municipal Class Environmental Assessment planning process

This study is being completed as a Schedule C Class Municipal Class Environmental Assessment. A Class Environmental Assessment, or Class EA, is a decision-making process that all municipalities in Ontario follow for building new infrastructure. The

process will allow you as the public to follow what is planned and provide opportunities for you to ask questions and provide input. The above diagram gives a step by step process of the Class EA process.

Phase 1 is to identify the problem and/or opportunity. After Phase 1 is complete, the first Virtual Public Consultation Centre, or virtual PCC, is held, which is where we are currently.

Phase 2 is to develop and evaluate solutions and identify the preferred solution. A second PCC is scheduled after this phase is completed.

Phase 3 is to develop and evaluate design concepts for the preferred solution and identify the preferred design. A third PCC is scheduled after this phase.

Phase 4 is the submission of the Environmental Study Report (ESR) and a 30-day public review period. Phase 4 is the final step of the Class EA.

Phase 5 is the implementation of the Class EA findings, in this case design and construction of the facility.

Slide 9 – Project study area

Here is a map of the study area and the surrounding countryside. The study area is 1-kilometer radius around the New Dundee water supply facility, and encompasses the Community of New Dundee.

Slide 10 – Additional background studies

As part of the Class EA process natural, archaeological, and cultural heritage sensitivities in the Study Area need to be considered when identifying a recommended approach for the iron and manganese treatment. The Barn Swallow pictured below is an example of a natural sensitivity because of its classification as a threatened species. These studies will be undertaken as part of this Class EA.

Slide 11 – Next steps

The next steps for the project are as follows. The project team has completed the background review and has introduced the project to the public. The next steps would be to develop and evaluate alternatives to meet the New Dundee water supply system's needs including treatment approach and key site requirements, followed by identifying the preferred alternative based on an evaluation process, which will output the preferred alternative that is considered the best overall solution. We will hold another PCC after this, to obtain public input on the preferred treatment approach. After this, the project team can develop and evaluate alternative design concepts including the facility location and site considerations. A third PCC will be held after this for input on the facility location and size, followed by the final step, which is the filing of the Environmental Study Report, or ESR, to document the project information and the decision making

process. As part of the reporting, there is a thirty-day period for public review of the ESR.

Slide 12 – Thank you for your participation!

Finally, we would like to ask you all to get engaged! We are still at the beginning of the New Dundee water supply system iron and manganese treatment upgrades EA. Do you have any questions, comments, or want to stay up to date? Please contact or fill out a Comment form for either Kaoru Yajima from the Region of Waterloo or Kirk Worounig from R.V. Anderson. Again, the contact information is available on this slide and on the Region website, and more information, including copies of project notices and PCC materials like a transcript of this virtual presentation can be found at the Region of Waterloo's website. Thank you very much for your participation in the virtual PCC, the project team really appreciates it.

FINISH

Frank Fei Feng

From: John Cicuttin <JCicuttin@regionofwaterloo.ca>
Sent: June 22, 2020 1:07 PM
To: Jonathan Rudyk
Subject: RE: New Dundee Water Supply System Class Environment Assessment

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hi Jonathan, I don't need further notifications on this project. Thanks,

John

From: Jonathan Rudyk <JRudyk@rvanderson.com>
Sent: June 22, 2020 11:44 AM
To: John Cicuttin <JCicuttin@regionofwaterloo.ca>
Subject: New Dundee Water Supply System Class Environment Assessment

Hi John,

My name is Jonathan Rudyk, I am a project coordinator at R.V. Anderson, and we are currently conducting a Class EA on behalf of the Region of Waterloo. We had tried contacting you previously with EA Notifications as you are listed as a technical stakeholder on the Region's EA Contact List, but it seems like we were given the incorrect email.

Please see the two attached Notifications for our Class EA (Notice of Commencement, Notice of PCC #1). Please confirm that you would like to receive EA Notifications moving forward.

Thank you,

Jonathan Rudyk, EIT
Process Designer
Phone: 416-497-8600 x1497

R.V. Anderson Associates Limited
2001 Sheppard Avenue East, Suite 300
Toronto, ON M2J 4Z8
website | facebook | twitter | linkedin

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Frank Fei Feng

From: Joe Pimentel <joe.pimentel@zayo.com>
Sent: June 26, 2020 11:56 AM
To: Jonathan Rudyk
Subject: Re: New Dundee Class Environment Assessment (EA)

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My pleasure Jonathan. Enjoy your day

On Fri, Jun 26, 2020 at 11:48 AM Jonathan Rudyk <JRudyk@rvanderson.com> wrote:

> Hi Joe,
>
> Thanks for your response, I have updated our Contact List accordingly.

rva

RVA IS GROWING!

Our NEW Halton and Halifax

offices are now open.

Jonathan Rudyk, EIT

Process Designer

P: (416) 497-8600 ext. 1497

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2001 Sheppard Avenue East, Suite 300 Toronto, ON M2J 4Z8

rvanderson.com

RVA celebrates the summer season from June 26th to September 4th. Our offices will be closed at 2 pm each Friday.

From: Joe Pimentel <joe.pimentel@zayo.com>
Sent: June 23, 2020 4:11 PM
To: Jonathan Rudyk <JRudyk@rvanderson.com>
Subject: Re: New Dundee Class Environment Assessment (EA)

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hello Jonathan,

See, it pays to be persistent. You have reached the correct person. For a much quicker response, all inquiries of your nature need to be sent to Utility Circulations <utility.circulations@zayo.com>. In the meantime i can tell you that Zayo has no conflict in the area highlighted on the PCC notice.

On Mon, Jun 22, 2020 at 11:39 AM Jonathan Rudyk <JRudyk@rvanderson.com> wrote:

> Hi Joe,
>
> My name is Jonathan Rudyk, I am project coordinator at R.V. Anderson, an engineering consultant that is conducting a Class EA on behalf of the Region of Waterloo in the Community of New Dundee. We had received a technical stakeholder contact for Allstream for the EA consultation process, but have not been able to contact them. I contacted Zayo directly and was given your contact information. Please confirm if you would like to be notified about the Class EA process. I have attached our two previous mailouts to this email for your reference as well.
>
> Thank you,

Jonathan Rudyk, EIT
Phone: 416-497-8600 x1497
Process Designer

R.V. Anderson Associates Limited
2001 Sheppard Avenue East, Suite 300
Toronto, ON M2J 4Z8

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****Vacation Alert - I will be out of office beginning June 29 returning July 14****

Joe Pimentel

OSP Project Manager | Zayo Networks
80 Worcester Road | Etobicoke, Ontario

C: 416-728-8602 | joe.pimentel@zayo.com

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****Vacation Alert - I will be out of office beginning June 29 returning July 14****

Joe Pimentel
OSP Project Manager | Zayo Networks
80 Worcester Road | Etobicoke, Ontario
C: 416-728-8602 | joe.pimentel@zayo.com

Frank Fei Feng

Subject: FW: New Dundee Water Supply - Iron & Manganese Treatment Upgrades

---

From: Kirk Worounig
Sent: Monday, June 29, 2020 9:20 AM
To: 'Mark Jeffery' <mark.jeffery@wilmot.ca>
Cc: Chris Thorne <chris.thorne@Wilmot.ca>; Jeff Molenhuis <jeff.molenhuis@wilmot.ca>; kyajima@regionofwaterloo.ca
Subject: RE: New Dundee Water Supply - Iron & Manganese Treatment Upgrades

Hi Mark,

Thank you for the email.

We will include the Township's email engineering@wilmot.ca in the notice list for the New Dundee Class EA.

Kirk Worounig, P.Eng., PMP
Project Manager
Direct: 416-753-2492
Phone: 416-497-8600 x1246
Cell: 416-570-5475

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2001 Sheppard Avenue East, Suite 300
Toronto, ON M2J 4Z8
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RVA is growing!
Our new Halton office is opening this spring.

From: Mark Jeffery <mark.jeffery@wilmot.ca>
Sent: Friday, June 26, 2020 1:29 PM
To: Kirk Worounig <kworounig@RVAnderson.com>
Cc: Chris Thorne <chris.thorne@Wilmot.ca>; Jeff Molenhuis <jeff.molenhuis@wilmot.ca>; kyajima@regionofwaterloo.ca
Subject: New Dundee Water Supply - Iron & Manganese Treatment Upgrades

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Good Afternoon Kirk,

I have had the opportunity to view the virtual PCC #1 for the above noted project. Although I do not have any questions at this time, I would request the Township of Wilmot be informed of all future Public Consultation Centers and be

forwarded all other information regarding this project as it is made available for public review. This information can be emailed to the Township at engineering@wilmot.ca

Thank you,
Mark

Mark Jeffery, C.E.T. | Senior Engineering Technologist | Public Works | Engineering Services | **Township of Wilmot**
60 Snyder's Road West, Baden, ON N3A 1A1 | P. 519.634.8444 x 263 | F. 519.634.5044| Toll. 800.469.5576 | TTY. 519.634.5037
www.wilmot.ca|Follow us on Twitter @WilmotTownship

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Frank Fei Feng

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: June 29, 2020 3:15 PM
To: Jonathan Rudyk
Cc: Kirk Worounig
Subject: FW: Fe & Mn upgrades

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate before Replying or Clicking on any links

Hi Jonathan,

Please remove [redacted] off the contact list - 2 addresses as noted below

Kaoru

-----Original Message-----
From: Kaoru Yajima
Sent: June 29, 2020 3:14 PM
To: '[redacted]' [redacted]
Subject: RE: Fe & Mn upgrades

Noted with thanks [redacted].

I will take you off the notice list for both.

Regards,

Kaoru

-----Original Message-----
From: [redacted]
Sent: June 29, 2020 3:13 PM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Subject: Fe & Mn upgrades

Hello Kaoru.

I do not wish to participate in the study.
I receive two notifications one for [redacted] New Dundee &
[redacted] New Dundee. They are the same address. Thank you [redacted].

Frank Fei Feng

Subject: FW: New Dundee Water Supply Study...comment form

From: [redacted]
Sent: July 3, 2020 11:00 AM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Subject: Re: New Dundee Water Supply Study...comment form

Thank you Kaoru for your thorough and prompt response....it is much appreciated. As my kitchen window, sunroom windows and back deck look toward the current well site it is of major interest to me.

I look forward to future consultations and information this fall 2020.

Again many thanks.
[redacted]

On Fri, Jul 3, 2020 at 8:16 AM Kaoru Yajima <KYajima@regionofwaterloo.ca> wrote:

> Dear, [redacted]
>
> Thank you for your interest in the project and taking time to submit comments. We are in the very early stages of the Class Environmental Assessment process and are currently evaluating treatment alternatives , building size and location. At this point it is early to comment on the size of the building or appearance.
>
> At the next Public Consultation Centre which will likely be in the fall of 2020 we will present treatment alternatives along with a shortlist of potential sites where the new facility could be located.
>
> In the third and last Public Consultation Centre which will be in 2021, we will present the building location and size. Once we present the location and size at these Public Consultation Centers, you are encouraged to let us know if there are any other items we should consider related to the appearance that will feed into the next stage, detailed design. Note that the Region always strives to account for the neighborhood in the design.
>
> Regards,
>
> Kaoru Yajima
>
> Sr. Project Engineer

From: [redacted]
Sent: June 29, 2020 11:23 PM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>; kworounig@rvanderson.com
Subject: New Dundee Water Supply Study...comment form

June 29, 2020

Please find attached the comment form for this study. I hope you receive the completed form version.

Thank you.

[redacted]

Comment Sheet

Contact Information (Optional, but required if you would like a response to your question):

Name/Organization: [redacted]

Address: [redacted]

New Dundee

E-mail: [redacted]

1. **Do you have any questions about the changes in the drinking water standards? (Shown on Slide 7)**

2. **Do you have any comments on the project study area?**

The New Dundee well is very close to my house and I have questions about the possibility of changes to the well building. I am very concerned if there were to be a large building on this site.

Perhaps someone could call me [redacted] regarding what some of the options might look like. I know this is down the road, however I want to know now what things might look like. Thank you.

3. The following are some important factors for consideration in the New Dundee Iron and Manganese Class EA. Please score them according to how important they are for you (1 being the most important, 5 being the least).

1	Effective and efficient water treatment
	Cost
1	Protecting the environment
1	Minimizing disruptions to the surrounding community
1	Other: size of a possible new building on current site.

4. Do you have any other questions or comments about the study?

All of the above are VERY important...which is why I ranked them all #1.

Please email the completed forms by July 8, 2020 to:

Regional Municipality of Waterloo
Kaoru Yajima, P.Eng.
Sr. Engineer, Water Services
T: 519-575-4757, Ext. 3349
E: kyajima@regionofwaterloo.ca
F: 519-575-4452

R.V. Anderson Associates Limited
Kirk Worounig, P.Eng., PMP
Project Manager
T: 416-497-8600 Ext 1246
E: kworounig@rvanderson.com
F: 855-833-4022

All comments and information received from individuals, stakeholder groups and agencies regarding this project are being collected under the authority of the "Municipal Act" to assist the Region of Waterloo in making a decision. Under the "Municipal Act", personal information such as name, address, telephone number, and property location that may be included in a submission becomes part of the public record. Questions regarding the collection of this information should be referred to Kaoru Yajima at the Region of Waterloo.

Frank Fei Feng

From: Emily.Spitzer@HydroOne.com
Sent: June 30, 2020 9:21 AM
To: Jonathan Rudyk
Subject: RE: New Dundee Class Environment Assessment for Region of Waterloo Contact

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Good morning Jonathon,

The Hydro One contact for project review is indicated below. Thanks and please feel free to reach out with any further questions.

Hydro One Networks Inc.			
Hydro One Networks Inc.	1 electronic copy	SecondaryLandUse@HydroOne.com	Projects that could potentially directly impact HONI facilities (including transmission/distribution lines/stations). Proponents must clearly identify the proposal's location and outline the type of impact anticipated relative to HONI facilities.

Thanks,

Emily Spitzer
Hydro One Community Relations
Phone: 1-877-345-6799
Email: Community.Relations@HydroOne.com

From: GOW Stephanie <Stephanie.Gow@HydroOne.com> **On Behalf Of** HYDRO ONE BCC
Sent: Thursday, June 25, 2020 7:26 PM
To: COMMUNITY Relations <community.relations@HydroOne.com>
Cc: HYDRO ONE BCC <HydroOneBCC@HydroOne.com>
Subject: FW: New Dundee Class Environment Assessment for Region of Waterloo Contact

Hi Team,

Would you be able to assist with the request below?

Thank you,

Stephanie Gow
Senior Analyst, Business Customer Centre

Hydro One Networks Inc.
483 Bay Street
Toronto, ON | M5G 2P5
Tel: 1.866.922.2466
Fax: 416.345.5957
Email: BCC@HydroOne.com

From: Jonathan Rudyk <JRudyk@rvanderson.com>
Sent: Monday, June 22, 2020 12:20 PM
To: HYDRO ONE BCC <HydroOneBCC@HydroOne.com>
Subject: New Dundee Class Environment Assessment for Region of Waterloo Contact

*** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***

Hi,

My name is Jonathan Rudyk, and I a project coordinator at R.V. Anderson, an engineering firm conducting a Class EA on behalf of the Region of Waterloo. I am emailing in response to a discussion I had with a customer service rep regarding the technical stakeholder contact for Hydro One. The contact I have from the Region is Rosella Fazio working at 483 Bay Street, however I was told she no longer works at Hydro One. Could Hydro One please supply me with an updated contact for this Class EA?

Thank you,

Jonathan Rudyk, EIT
Process Designer
Phone: 416-497-8600 x1497

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Toronto, ON M2J 4Z8
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Frank Fei Feng

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: July 7, 2020 3:31 PM
To: '[redacted]'
Cc: Kirk Worounig; Jonathan Rudyk
Subject: RE: New Dundee Water Supply Upgrades

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Ok great [redacted], we'll add you to the list.
Regards,
Kaoru

(Jonathan - please add [redacted] to the contact list- tks)

-----Original Message-----
From: [redacted]
Sent: July 7, 2020 3:24 PM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Cc: kworounig@rvanderson.com; Jonathan Rudyk <JRudyk@rvanderson.com>
Subject: RE: New Dundee Water Supply Upgrades

Hi Kauro,

I did watch the video and yes I would like you to add my email to your contact list, so I can get updates on the project.

Thank -you!

[redacted]

-----Original Message-----
From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: July 7, 2020 3:16 PM
To: [redacted]
Cc: kworounig@rvanderson.com; Jonathan Rudyk <JRudyk@rvanderson.com>
Subject: RE: New Dundee Water Supply Upgrades

Hello [redacted],

First of all, thank you for your interest in the project.

Next, I'd like to confirm if we should add you to our mailing list for future updates? I see the email address you used to reach out to me so if you like, we can add you to the contact list so you have timely updates. Please let us know.

As for information, we have 3 public consultation centres scheduled in this project. Due to Covid, they are virtual recordings on Youtube. The first one was release a few weeks ago. It's less than 10 minutes and can be accessed here:

https://www.youtube.com/watch?v=JNp-FT7g5i0

If you had any comments or questions on the recording, please don't hesitate to print out this comment sheet and email it back to me.

https://www.regionofwaterloo.ca/en/living-here/resources/Documents/water/projects/water/CamWest/WS2020NewDundeeManganeseClassEAPCC1CommentandQuestionSheet.pdf

Our second virtual consultation is scheduled for the fall when we will have more information. The third will be in spring of 2021.

Hope this gets you started but let me know if you have any other questions.

Regards,
Kaoru Yajima
Sr. Engineer, Region of Waterloo

-----Original Message-----
From: [redacted]
Sent: July 7, 2020 2:51 PM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Subject: New Dundee Water Supply Upgrades

Hi Kaoru,

We received the attached in the mail and could we please get updates on this issue whenever available.

Thank -you!

Regards,

[redacted]

Frank Fei Feng

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hi Jonathan,

For the issues list, I didn't let you know but I received a call in my voice mail from [redacted]. He said he rec'd the notice as a resident so he should be in your database. He called and left massages on April 22, May 5 and June 30. His question was what was manganese and iron, and what are the impacts. I called him today and explained what they were, the Federal gov't's new guideline for manganese, and the province considering it, thus prompting the Region to be proactive with studies. He was content with my answers and so no follow up is needed. If you can record that, that would be great.

Also did you remove J[redacted]) from the mailing list? [redacted]. Her telephone is [redacted] It could be [redacted] but wasn't quite sure.

Thanks,
Kaoru

Frank Fei Feng

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: June 29, 2020 8:28 AM
To: Jonathan Rudyk
Cc: Kirk Worounig
Subject: New Dundee - request to be removed from contact list

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hi Jonathan,

I've had 2 requests in my voicemail to be removed from the New Dundee contact list.

[redacted]
June 24, 2020

[redacted] (sp?)
[redacted]
June 21, 2020

Thanks,
Kaoru

Frank Fei Feng

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: July 27, 2020 10:21 AM
To: Kirk Worounig
Cc: Jonathan Rudyk
Subject: FW: Hydro One Response: New Dundee Water Supply Iron and Manganese Water Treatment Upgrades
Attachments: 20200727-NoticeOfPIC1-New Dundee Water Supply Iron and Manganese Water Treatment Upgrades.pdf

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hi Kirk,

I took a look and it looks like the corridor would be out of the potential sites we plan to examine.

They do ask for us to respond if our project does not affect them at the right time so once we are sure, we should let them know.

Thanks
Kaoru

From: SecondaryLandUse@HydroOne.com <SecondaryLandUse@HydroOne.com>
Sent: July 27, 2020 9:07 AM
To: kworounig@rvanderson.com
Cc: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Subject: Hydro One Response: New Dundee Water Supply Iron and Manganese Water Treatment Upgrades

Please see the attached for Hydro One's Response.

Hydro One Networks Inc
SecondaryLandUse@HydroOne.com

This email and any attached files are privileged and may contain confidential information intended only for the person or persons named above. Any other distribution, reproduction, copying, disclosure, or other dissemination is strictly prohibited. If you have received this email in error, please notify the sender

Hydro One Networks Inc
483 Bay St
Toronto, ON

July 27, 2020

Re: New Dundee Water Supply Iron and Manganese Water Treatment Upgrades

Attention:
Kirk Worounig, P.Eng., PMP
Project Manager
R.V. Anderson Associates Limited

Thank you for sending us notification regarding (New Dundee Water Supply Iron and Manganese Water Treatment Upgrades). In our preliminary assessment, we have confirmed that Hydro One has existing high voltage Transmission facilities within your study area (see map attached). At this time we do not have sufficient information to comment on the potential resulting impacts that your project may have on our infrastructure. As such, we must stay informed as more information becomes available so that we can advise if any of the alternative solutions present actual conflicts with our assets, and if so; what resulting measures and costs could be incurred by the proponent. Note that this response does not constitute approval for your plans and is being sent to you as a courtesy to inform you that we must continue to be consulted on your project.

In addition to the existing infrastructure mentioned above, the applicable transmission corridor may have provisions for future lines or already contain secondary land uses (e.g., pipelines, watermains, parking). Please take this into consideration in your planning.

Also, we would like to bring to your attention that should (New Dundee Water Supply Iron and Manganese Water Treatment Upgrades) result in a Hydro One station expansion or transmission line replacement and/or relocation, an Environmental Assessment (EA) will be required as described under the Class Environmental Assessment for Minor Transmission Facilities (Hydro One, 2016). This EA process would require a minimum of 6 months for a Class EA Screening Process (or up to 18 months if a Full Class EA were to be required) to be completed. Associated costs will be allocated and recovered from proponents in accordance with the Transmission System Code. If triggered, Hydro One will rely on studies completed as part of the EA you are current undertaking.

Consulting with Hydro One on such matters during your project's EA process is critical to avoiding conflicts where possible or, where not possible, to streamlining processes (e.g., ensuring study coverage of expansion/relocation areas within the current EA). Once in receipt of more specific project information regarding the potential for conflicts (e.g., siting, routing), Hydro One will be in a better position to communicate objections or not objections to alternatives proposed.

If possible at this stage, please formally confirm that Hydro One infrastructure and associated rights-of-way will be completely avoided, or if not possible, allocate appropriate lead-time in your project schedule to collaboratively work through potential conflicts with Hydro One, which ultimately could result in timelines identified above.

In planning, note that developments should not reduce line clearances or limit access to our infrastructure at any time. Any construction activities must maintain the electrical clearance from the transmission line conductors as specified in the Ontario Health and Safety Act for the respective line voltage.

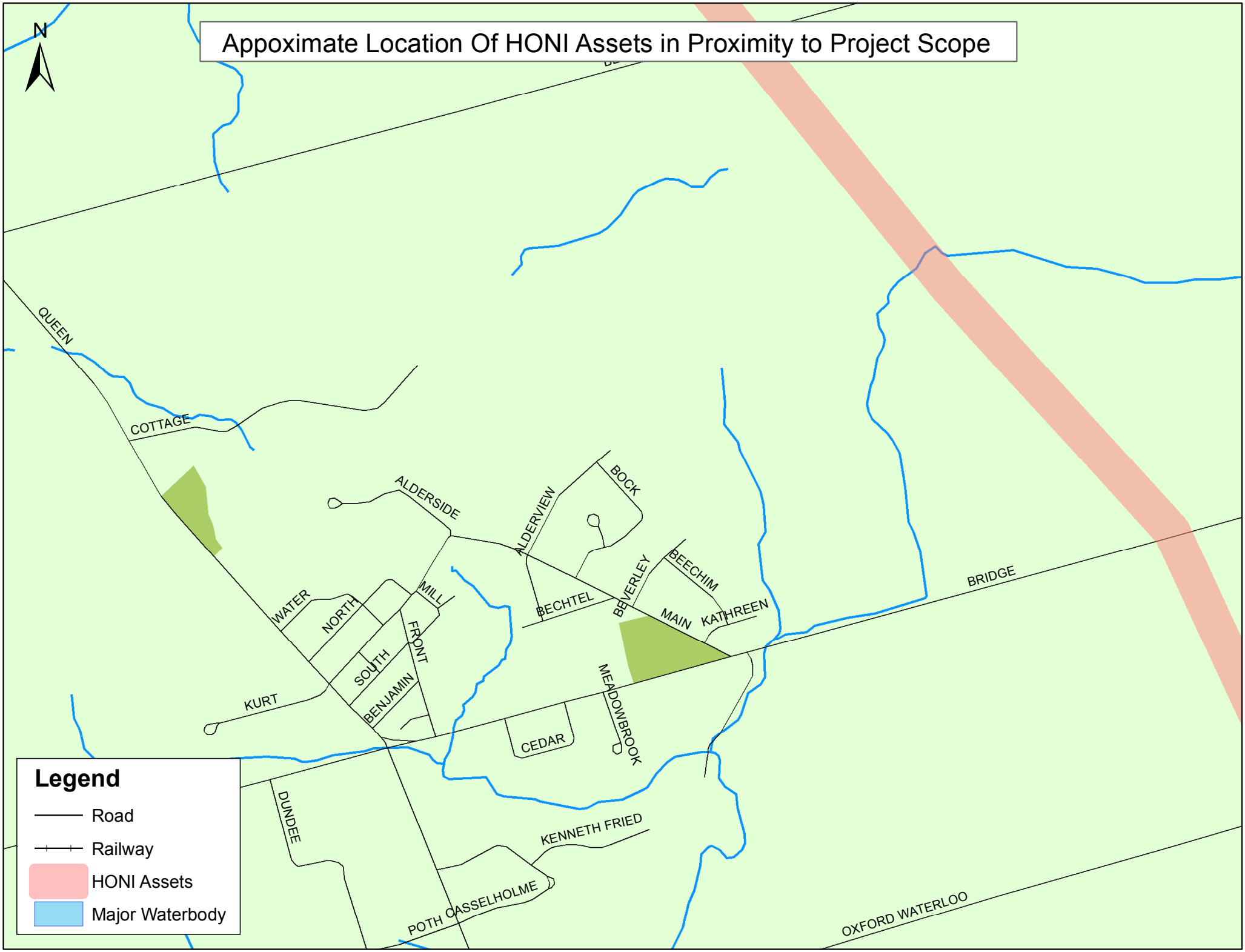
Be advised that any changes to lot grading or drainage within, or in proximity to Hydro One transmission corridor lands must be controlled and directed away from the transmission corridor.

Please note that the proponent will be held responsible for all costs associated with modifications or relocations of Hydro One infrastructure that result from your project, as well as any added costs that may be incurred due to increased efforts to maintain said infrastructure.

We reiterate that this message does not constitute any form of approval for your project. Hydro One must be consulted during all stages of your project. Please ensure that all future communications about this and future project(s) are sent to us electronically to secondarylanduse@hydroone.com

Sent on behalf of,

Secondary Land Use
Asset Optimization
Strategy & Integrated Planning
Hydro One Networks Inc.


Appoximate Location Of HONI Assets in Proximity to Project Scope
N
QUEEN
COTTAGE
ALDERSIDE
ALDERVIEW
BOCK
BECHTEL
BEVERLEY
BEECHIM
MAIN
KATHREEN
BRIDGE
WATER
NORTH
SOUTH
MILL
FRONT
BENJAMIN
KURT
CEDAR
MEADOWBROOK
DUNDEE
KENNETH FRIED
POTH CASSELHOLME
OXFORD WATERLOO
Legend
Road
Railway
HONI Assets
Major Waterbody

RV Anderson Associates Ltd

Please correct thes

adresses

[redacted]

[redacted]

[redacted]

[redacted]

Appendix F-5

Public Consultation Centre #2 Notice, Advertisements, Materials, and Correspondence

R.V. Anderson Associates Limited
2001 Sheppard Avenue East Suite 300
Toronto Ontario M2J 4Z8 Canada
Tel 416 497 8600 Fax 855 833 4022
www.rvanderson.com

Date RVA 194591

Addressee
Street Address
City, Province
Postal Code

Dear Sir/Madam:

Re: Notice of Virtual Public Consultation Centre #2
Video Uploaded May 11, 2021, to YouTube and Region of Waterloo Website
New Dundee Water Supply System – Iron and Manganese Treatment Upgrades
Schedule 'C' Class Environmental Assessment

Please see enclosed the Notice of Virtual Public Consultation Centre #2 for the New Dundee Water Supply System – Iron and Manganese Treatment Upgrades Municipal Class Environmental Assessment (Class EA). The Regional Municipality of Waterloo is undertaking this Class EA to identify a preferred approach for iron and manganese treatment.

If you would like more information about the New Dundee Water Supply System – Iron and Manganese Treatment Upgrades or would prefer to be removed from the study's contact list, please contact the undersigned.

Kaoru Yajima, P.Eng.
Sr. Engineer, Water Services
Region of Waterloo
150 Frederick Street, 7th Floor
Kitchener, ON N2G 4J3

Phone: 519-575-4757 ext. 3349
Email: kyajima@regionofwaterloo.ca

Kirk Worounig, P.Eng., PMP
Consultant Project Manager
R.V. Anderson Associates Limited
2001 Sheppard Avenue East, Suite 300
Toronto, ON M2J 4Z8

Phone: 416-497-8600 ext. 1246
Email: kworounig@rvanderson.com

Encls.
Notice of Virtual Public Consultation Centre #2

CANADA'S BEST MANAGED COMPANIES
Platinum member

Notice of Virtual Public Consultation Centre #2
New Dundee Water Supply – Iron and Manganese Water Treatment Upgrades
Municipal Class Environmental Assessment

The Region of Waterloo has initiated a Municipal Class Environmental Assessment (EA) Study for iron and manganese treatment upgrades for the New Dundee Water Supply System. The New Dundee Water Supply System is located at 156 Alderview Road in the Town of New Dundee, in the Township of Wilmot. The Study will review and provide recommendations related to iron and manganese treatment upgrades based on current industry standards and new technologies, as well as the location of potential upgrades, should they be recommended.

How is this Study being undertaken?

This Study is being undertaken as a Schedule 'C' project in accordance with the requirements of the Municipal Class Environmental Assessment (October 2000, as amended in 2007, 2011 and 2015), which is an approved process under the Ontario Environmental Assessment Act.

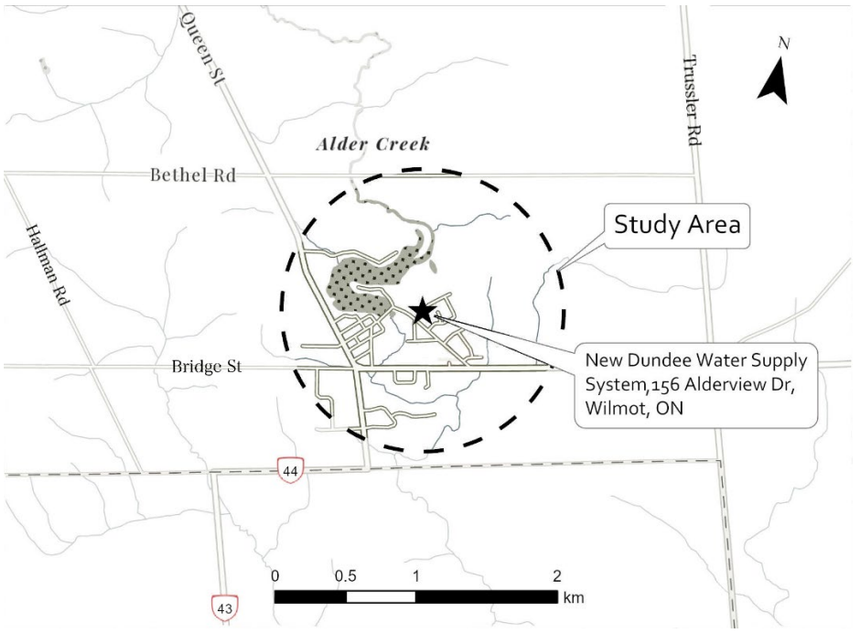


Figure 1: Study Area

How can I participate in this Study?

Three Public Consultation Centres (PCCs) are anticipated to be held as part of this study. The second PCC will be a virtual one and will be held to obtain comments on the treatment and residual management alternatives, facility location requirements, potential facility locations, and next steps.

On May 11, 2021, we invite you to follow this link: **https://www.regionofwaterloo.ca/CurrentWaterProjects/** and view a video narration of the presentation on the Region's website or on YouTube. The slides and a transcript are available for download on the Region's website as well, and you may also fill out a Comments Form on the website for submittal to the Project Team. Please submit any comments you may have by June 9, 2021.

If you would like more information on the Study, would like to be removed from the contact list, have any questions about the study, or would like physical copies of the slides, transcript, or Comments Form, please contact either:

Kaoru Yajima, P.Eng.
Sr. Engineer, Water Services
Region of Waterloo
Phone: 519-575-4757 ext. 3349

Email: **kyajima@regionofwaterloo.ca**

Kirk Worounig, P.Eng., PMP
Project Manager
R.V. Anderson Associates Limited
Phone: 416-497-8600 ext. 1246

Email: **kworounig@rvanderson.com**

All comments and information received from individuals, stakeholder groups and agencies regarding this project are being collected under the authority of the "Municipal Act" to assist the Region of Waterloo in making a decision. Under the "Municipal Act", personal information such as name, address, telephone number, and property location that may be included in a submission becomes part of the public record. Questions regarding the collection of this information should be referred to Kaoru Yajima at the Region of Waterloo.

Region of Waterloo

New Dundee Water Supply – Iron and Manganese Treatment Upgrades

Schedule "C" Class Environmental Assessment

Virtual Public Consultation Centre #2

arva

3610830

File Uploaded on Tuesday May 11, 2021, to the Region of Waterloo's website and YouTube Page

Welcome!

The Goals of this Virtual Public Consultation Centre:

- **Provide background information on the New Dundee Water Supply System**
- **Evaluate alternatives for iron and manganese treatment and residuals management**
- **Provide the evaluation criteria for the treatment and residual management alternatives**
- **Present treatment facility location requirements and potential locations**
- **Answer any questions you may have and provide an opportunity to get involved in the project**

Comments received during this study will be used to identify a recommended approach for the New Dundee Water Supply iron and manganese treatment

New Dundee water supply system iron and manganese treatment upgrades project overview

What are we doing?

Planning upgrades to the New Dundee Water Supply System to provide treatment for iron and manganese. This study will look at the best way to complete these upgrades.

Why are we doing it?

More stringent aesthetic drinking water objectives for manganese are expected in the near future. The New Dundee Water Supply System has been identified as requiring upgrades to meet these future aesthetic objectives. We are taking steps now to ensure we are ready to meet these objectives.

What does it mean to you?

These upgrades will require a new building for the treatment equipment. It is expected additional property at the Region's existing water supply site or a new site will be required. There is no change in the amount of water being taken from the New Dundee Water Supply wells.



Evaluation criteria

Criteria scoring

The iron and manganese treatment processes will be evaluated according to the criteria shown below, with each of the four categories being considered equally.
The highest score will identify the preferred alternative.

Technical Criteria

- Provides reliable service
- Meets current and future needs
- Aligns with existing and planned infrastructure
- Aligns with existing and future land uses
- Aligns with approval and permitting process
- Manages and minimizes construction risks
- Ability to adapt to climate change

Social Criteria

- Protects health and safety
- Minimizes impacts to residents and businesses related to noise, odour, traffic, and aesthetics
- Minimizes impacts to businesses
- Manages and minimizes construction impacts
- Protects cultural heritage features
- Protects archaeological features

Financial Criteria

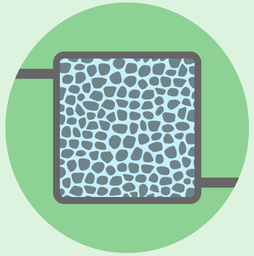
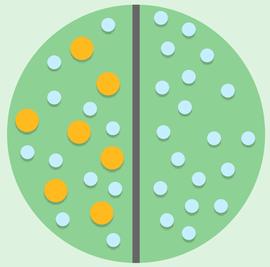
- Provides low lifecycle costs

Natural Environment Criteria

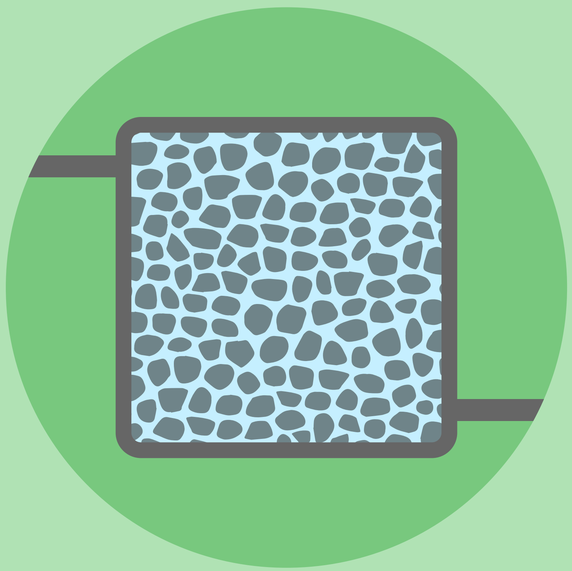
- Protects environmental features
- Protects wildlife and species at risk
- Protects groundwater, streams, and rivers
- Minimizes climate change impacts

Potential treatment alternatives

Potential alternatives were screened to develop a short-list of options for detailed evaluation. Alternatives that were screened out did not meet the project objectives.

Screened out alternatives	Short-listed alternatives
✖ Do nothing ✖ New watermain ✖ Iron and manganese sequestration ✖ In situ removal ✖ Ion exchange softening ✖ Biological filtration ✖ Lime and Soda Softening	 Oxidation and conventional filtration  Oxidation and membrane filtration

Short listed alternative 1: Oxidation and conventional filtration



Description: Adding a chlorine solution to the water to oxidize the iron and manganese before being removed through filtration

Advantages:

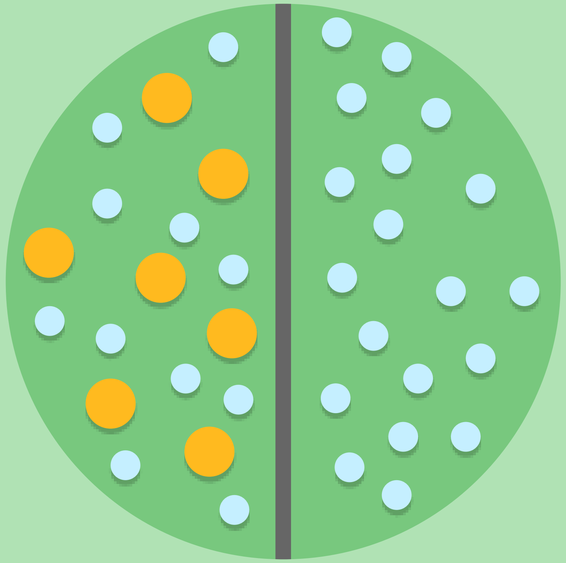
- This is a reliable process in removing iron and manganese.
- This technology is currently being used at other facilities in the Region.
- No additional chemicals required since chlorine solution is already used at the existing facility. Operation of technology will not negatively impact operator health and safety.
- Treatment facility will be resilient to extreme weather events.

Disadvantages:

- A medium sized footprint is required for this alternative, to account for the new filters, backwash systems and residual management.

Estimated Comparative Lifecycle Cost: $4 Million

Short listed alternative 2: Oxidation and membrane filtration



Description: Adding an oxidant to oxidize the iron and manganese, before being pumped under pressure through a membrane filtration system

Advantages:

- This is a reliable process in removing iron and manganese.
- This alternative has the smaller footprint of the two alternatives.
- Treatment facility will be resilient to extreme weather events.

Disadvantages:

- Additional chemicals are required for maintenance, which increases cost, operational complexity, risk of spills and operator health and safety hazards.
- Disposal of large volumes of residuals is difficult with no sanitary sewer connection in the study area.

Estimated Comparative Lifecycle Cost: $9 Million

Evaluation of treatment alternatives

Criteria	Alternative 1: Oxidation and conventional filtration	Alternative 2: Oxidation and membrane filtration
Technical		
Financial (Lifecycle)		
Social/cultural		
Natural environment		
Overall Score		

Legend


Very low alignment with criteria


Not well aligned with criteria


Somewhat aligned with criteria

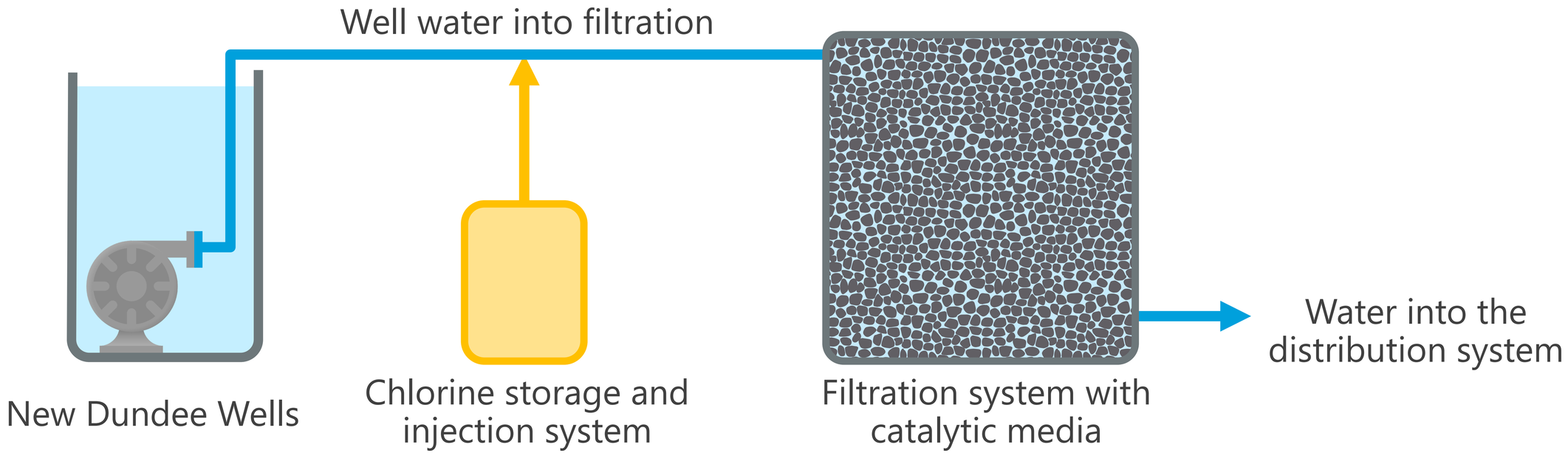

Well aligned with criteria


Very well aligned with criteria

Region of Waterloo arva 3610830

Preferred treatment approach

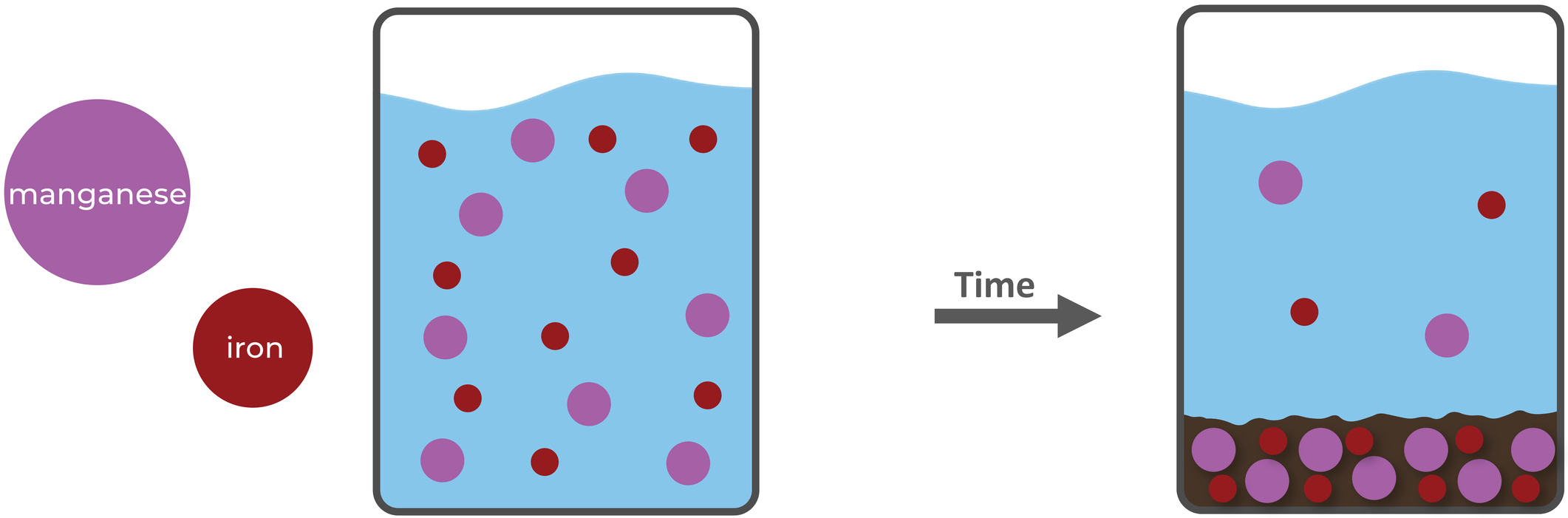
Alternative 1: Oxidation and conventional filtration had the best score in each of the four evaluation categories and is the preliminary preferred treatment approach. This option has the lowest lifecycle cost and this treatment approach is successfully used for iron and manganese treatment at other facilities in the Region.



Residual waste produced by the preferred alternative

The next step in the process is to develop residual management systems for the backwash* water produced.

The backwash water volumes produced are expected to contain small concentrations of iron and manganese. After adequate settling time, most of the remaining water could separate as “supernatant**”. The solids would gradually thicken to a liquid “settled solids” suspension.



Backwash tank immediately after backwash

Backwash tank after settling into supernatant and settled solids

***Backwash Water:** Water used to clean a filter by flowing the water in reverse of the typical direction of flow.

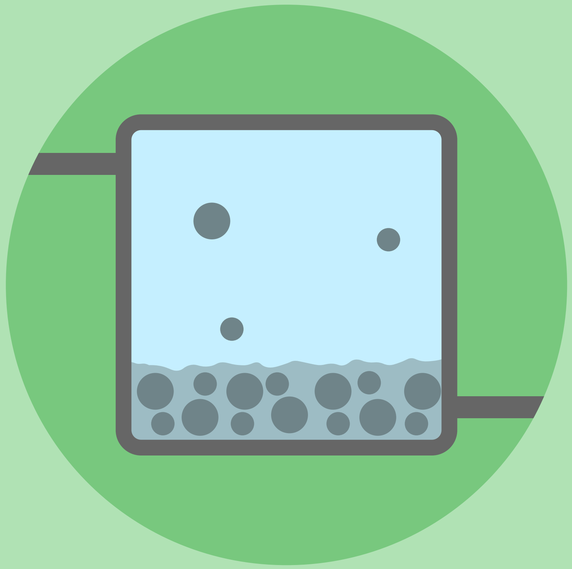
****Supernatant:** Clear liquid that lies above the settled solids after settling. Backwash water separates into supernatant and settled solids.

How to manage residuals under the preferred alternative

Potential residuals management alternatives were considered for the preferred treatment alternative. Residual management alternatives that were screened out did not meet the project objectives.

Screened out alternatives	Short-listed alternatives
✖ Lagoons with supernatant to the storm sewer	 Backwash equalization tank with recycling of supernatant back to the treatment plant and settled solids haulage
✖ Storage tanks with supernatant to the storm sewer	 Backwash equalization tank with pumping to a sanitary collection system 9 km away

Short-listed residual management alternative 1: Backwash equalization tank with recycling of supernatant and settled solids haulage



Description: A backwash equalization tank (BET) to hold the backwash water while it settles to supernatant and solids. The supernatant would be recycled back to the start of the treatment and settled solids would be hauled by truck to a septage receiving station.

Advantages:

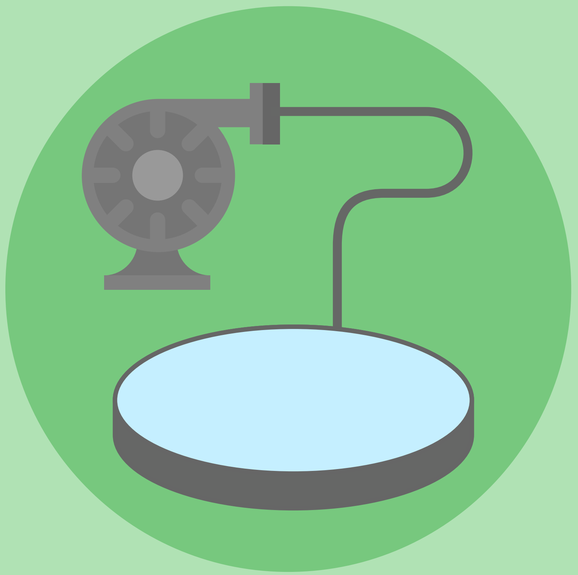
- This alternative has been used for other plants within the Region and aligns with infrastructure.
- Treatment facility will be resilient to extreme weather events.

Disadvantages:

- This process would require a truck to haul the settled solids once every month.

Estimated Comparative Lifecycle Cost: $1.3 Million

Short-listed residual management alternative 2: Backwash equalization tank with pumping to a sanitary collection system



Description: A BET to hold the backwash water before pumping the residuals to a sanitary collection system.

Advantages:

- There's no truck haulage required for this alternative.

Disadvantages:

- The closest sanitary collection system with potential capacity is in Kitchener, located approximately 9 km away from the New Dundee Water Supply Facility.
- Construction of the piping is expensive and would have a greater impact on the community.
- Length of piping and potential pumping station requirements increases operation and maintenance complexity

Estimated Comparative Lifecycle Cost: $15.5 Million

Evaluation of residual management alternatives

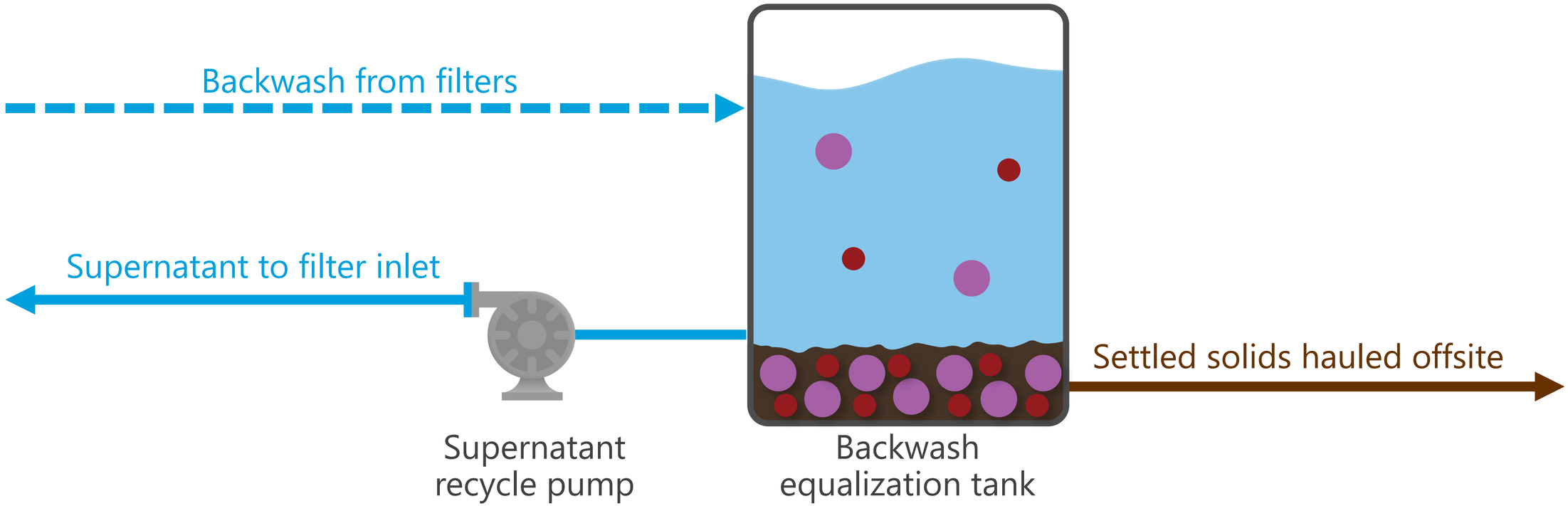
Criteria	Alternative 1: BET + Recycling Supernatant + Hauling Settled Solids	Alternative 2: BET + Pump to Existing Sanitary System
Technical		
Financial (Lifecycle)		
Social/cultural		
Natural environment		
Overall Score		

Legend

Very low alignment with criteria	Not well aligned with criteria	Somewhat aligned with criteria	Well aligned with criteria	Very well aligned with criteria

Preferred residual management approach

Alternative 1 : Backwash equalization tank with supernatant recycling and haulage of settled solids had the best score in each of the four evaluation categories and is the preliminary preferred residual management approach. This option has the lowest lifecycle cost, is currently in use by the Region at other facilities and is water efficient.



The settled solids would be hauled off site on a monthly or bi-monthly basis, depending on how much is produced.

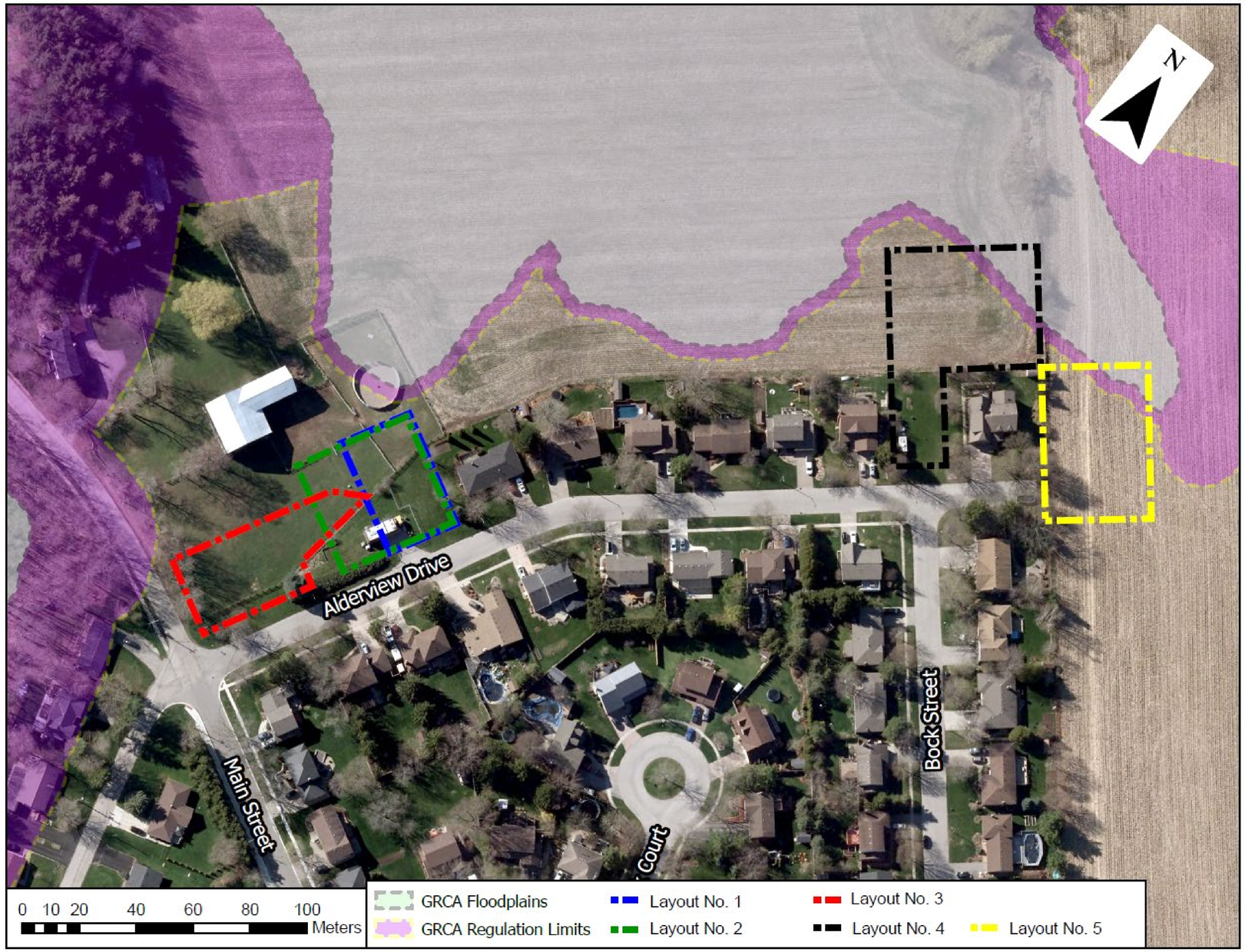
Requirements for potential treatment site location

There is not enough space on the existing site for a new treatment facility. Potential options for a new site were identified based on:

- **Land size for new building and driveway**
- **Vehicle access to the new site**
- **Distance to the existing New Dundee Water Supply facility and watermains**
- **Environmental features, cultural heritage features, and areas of archaeological potential**
- **Current and potential future land uses**

Short-list of potential locations

These short- listed facility locations will be evaluated in detail.
The evaluation results will be presented at the next Public Consultation Centre #3 where there will be an opportunity review and provide comments.



Overview of the Municipal Class Environmental Assessment planning process

We Are Here

Virtual Public Consultation Centre #1

Public Consultation Centre #2

Public Consultation Centre #3

Phase 1
Identify Problem and/or Opportunity

Phase 2
Develop and Evaluate Solutions and Identify Preferred Solution

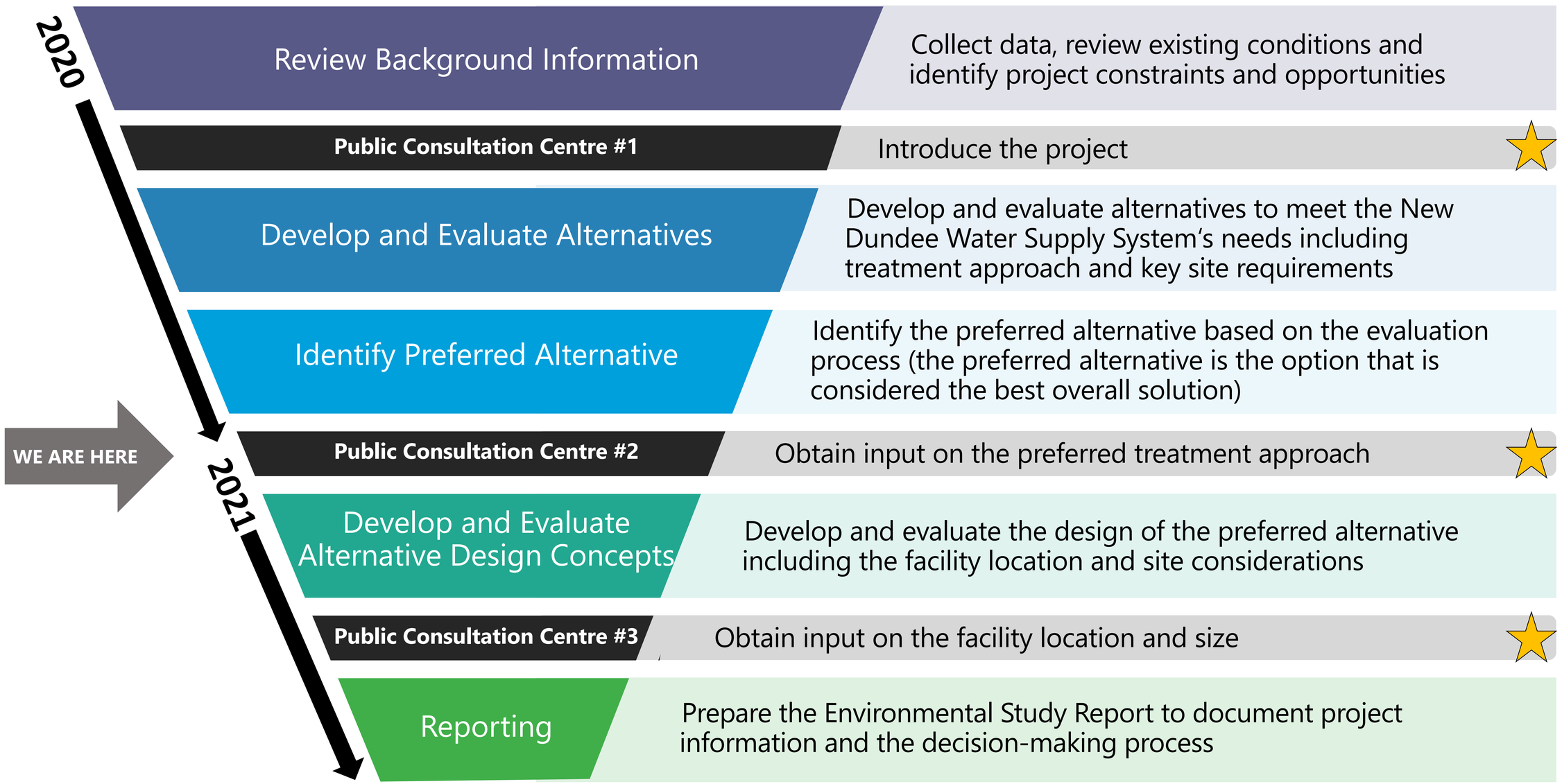
Phase 3
Develop and Evaluate Design Concepts for Preferred Solution and Identify Preferred Design

Phase 4
Environmental Study Report (ESR)
30 Day Public Review

Phase 5
Implementation (Design and Construction)

This study is being completed as a Schedule C Class Environmental Assessment.
A Class Environmental Assessment is a decision making process that all municipalities in Ontario follow for building new infrastructure. The process will allow you to follow what is planned and provide opportunities for you to ask questions and provide input.

Next steps



Region of Waterloo Council

Region of Waterloo Council will provide approval to file the Environmental Study Report for a **30-day review period for public comment.**

An opportunity for the public to provide input

Thank you for your participation!

Get engaged!

We are in the middle of the New Dundee Water Supply System Iron and Manganese Treatment Upgrades Environmental Assessment. Do you have questions, comments, or want to stay up to date?

Please contact:

Kaoru Yajima, P.Eng.
Sr. Engineer, Water Services
Region of Waterloo
150 Frederick Street, 7th Floor
Kitchener, Ontario N2G 4J3
Tel: 519-575-4757 ext. 3349
Email: kyajima@regionofwaterloo.ca

Kirk Worounig, P.Eng, PMP.
Project Manager
R.V. Anderson Associates Limited
2001 Sheppard Avenue East, Suite 300
Toronto, Ontario M2J 4Z8
Tel: 416-497-8600 ext. 1246
Email: kworounig@rvanderson.com

More information, including copies of project notices and Public Consultation Centre materials like a transcript of this virtual presentation can be found at:
https://www.regionofwaterloo.ca/waterprojects

Transcript of Virtual Public Consultation Centre #2

Slide 1 – Title slide

Hi everyone, and welcome to the New Dundee Water Supply – Iron and Manganese Treatment Upgrades Virtual Public Consultation Centre, or PCC, #2. This PCC is hosted by the Region of Waterloo as part of a Schedule C Municipal Class Environmental Assessment, or Class EA. My name is Jonathan Rudyk, and I work for R.V. Anderson, a company that will be assisting the Region in conducting the Class EA. I will be narrating the presentation today.

Before we begin, some housekeeping notes. This video is available on the Region of Waterloo website as of May 11, 2021 and has been uploaded to YouTube. On the Region website, there is a transcript of my narration for this presentation, and a PDF copy of the slides, as well as the contact information for Kaoru Yajima and Kirk Worounig of the project team. If you have any questions or comments on the presentation, please send it to them, or fill out a Comments Form provided on the Region website and submit it to the project team. This presentation is the second of three public consultation centres, or PCCs, with the first PCC happening in June of 2020. With that, let's get started with virtual PCC #2!

Slide 2 – Welcome!

The goals of this virtual PCC are as follows: Introduce the project and the reasons why it is being completed, provide the evaluation criteria for iron and manganese treatment and residual management alternatives, evaluate alternatives for iron and manganese treatment, present treatment facility location requirements and potential locations, and answer any questions you may have and provide an opportunity to get involved in the project. Please note that comments received during this study will be used to help identify a recommended approach for the New Dundee water supply iron and manganese treatment.

Slide 3 – New Dundee water supply system iron and manganese treatment upgrades project overview

To better understand the project, we ask the following three questions.

1, what are we doing,

2, why are we doing it, and

3, what does it mean to you?

To answer the first, the Region is planning upgrades to the New Dundee water supply system to provide treatment for iron and manganese. This study will look at the best ways to complete these upgrades.

Why are we doing it? Lower aesthetic drinking water objectives for manganese are expected in the near future. The New Dundee water supply system has been identified as requiring upgrades to meet these future aesthetic objectives. As an aside, aesthetic objectives are targets we meet when treating water for taste, odour, and colour. We are taking steps now to ensure we are ready to meet these objectives.

What does it mean to you? These upgrades will require a new building for the treatment equipment. It is expected additional property at the Region's existing water supply site or a new site will be required. There is no change in the amount of water being taken from the New Dundee water supply wells.

Slide 4 – Evaluation criteria

Iron and manganese treatment processes will be evaluated according to technical, financial, social, and natural environmental criteria, as shown below. Each of these four categories will be considered equally, with the highest overall score signifying the preferred alternative.

The alternatives are evaluated against the technical criteria to determine if they:

- Provides reliable service,
- Meets current and future needs,
- Align with existing and planned infrastructure,
- Align with existing and future land uses,
- Align with approval and permitting processes,
- Manage and minimize construction risks, and
- Their ability to adapt to climate change.

The alternatives are evaluated against the financial criteria to determine if they:

- Provide low lifecycle costs

The alternatives are evaluated against the social criteria to determine if they:

- Protect health and safety,
- Minimize impacts to residents and businesses related to noise, odour, traffic, and aesthetics,
- Minimize impacts to businesses,
- Manages and minimizes construction impacts,
- Protect cultural heritage features,
- Protect archaeological features.

The alternatives are evaluated against the natural environment criteria to determine if they:

- Protect environmental features,
- Protect wildlife and species at risk,

- Protect groundwater, streams, and rivers,
- Minimize climate change impacts.

Slide 5 – Potential treatment alternatives

Potential alternatives were screened to develop a short-list of options for detailed evaluation. Alternatives that were screened out did not meet the project objectives for one reason or another.

The screened out alternatives include: doing nothing, a new watermain from Kitchener-Waterloo, iron and manganese sequestration, in situ removal, ion exchange softening, biological filtration, and lime and soda softening.

The short-listed alternatives that will be taken forward for detailed evaluation are: oxidation and conventional filtration, and membrane filtration. These technologies will be summarized on the next two slides.

Slide 6 – Short listed alternative 1: Conventional filtration and oxidation

A description of this alternative is: Chlorine solution is added to the well water to oxidize the iron and manganese before being removed through filtration.

The advantages of this alternative are:

- This is a reliable process in removing iron and manganese.
- This technology is currently being used at other facilities in the Region.
- No additional chemicals are required since the chlorine solution is already used at the existing facility. Operation of technology will not negatively impact operator health and safety.
- Treatment facility will be resilient to extreme weather events.

The disadvantages of this alternative are:

- A medium sized footprint is required for this alternative, to account for the new filters, backwash systems and residual management.

The estimated comparative lifecycle cost of this alternative is four million dollars.

Slide 7 – Short listed alternative 2: Membrane filtration

A description of this alternative is: An oxidant is added to oxidize the iron and manganese, before being pumped under pressure through a membrane filtration system.

The advantages of this alternative are:

- This is a reliable process in removing iron and manganese.
- This alternative has the smaller footprint of the two alternatives.
- The treatment facility will be resilient to extreme weather events.

The disadvantages of this alternative are:

- Additional chemicals are required for maintenance, which increases cost, operational complexity, risk of spills and operator health and safety hazards.
- Disposal of large volumes of residuals is difficult with no sanitary sewer connection in the study area.

The estimated comparative lifecycle cost of this alternative is nine million dollars.

Slide 8 – Evaluation of treatment alternatives

The treatment alternatives were scored, and a summary of the scoring is given on this slide.

For technical criteria, alternative 1, oxidation and conventional filtration, is well aligned with criteria, and alternative 2, membrane filtration, is somewhat aligned with criteria.

For financial, or lifecycle, criteria, alternative 1 is well aligned with criteria, and alternative 2 is not well aligned with criteria.

For social slash cultural criteria, alternative 1 is somewhat aligned with criteria, and alternative 2 is not well aligned with criteria.

For natural environment criteria, alternative 1 is well aligned with criteria, and alternative 2 is somewhat aligned with criteria.

Overall, alternative 1 is well aligned with the evaluation criteria, while alternative 2 is not well aligned with the evaluation criteria.

Slide 9 – Preferred treatment approach.

Oxidation and conventional filtration had the best score in each of the four evaluation categories and is the preliminary preferred treatment alternative. This option has the lowest lifecycle cost and this treatment approach is successfully used for iron and manganese treatment at other facilities in the Region.

The graphic shows how the treatment process would operate. Chlorine solution is injected into water pumped from the wells, and the chlorinated water is pumped into the filter. The filter removes the iron and manganese, and the water is discharged to the distribution system.

Slide 10 – Residual waste produced by the preferred alternative

The next step in the process is to develop residual management systems for the wastewater produced.

The backwash water volumes produced are expected to contain small concentrations of iron and manganese. After adequate settling time, most of the remaining water could

separate as “supernatant”. The solids would gradually thicken to a liquid “settled solids” suspension.

Note that backwash water is the water used to clean a filter by flowing the water in reverse of the typical direction of flow.

Supernatant is the clear liquid that lies above the settled solids after settling. Backwash water separates into supernatant and settled solids.

The graphic below shows iron and manganese particles in suspension in the backwash volume and settling to the bottom of the tank after a period of time has elapsed.

Slide 11 – How to manage residuals under the preferred alternative

As with the potential treatment alternatives, potential residual management alternatives were considered for the preferred treatment approach. Residual management alternatives that were screened out did not meet the project objectives.

The screened out alternatives include: Lagoons with supernatant discharged to the storm sewer system, and storage tanks with supernatant discharged to the storm sewer.

Short listed alternatives include: a backwash equalization tank with recycling of supernatant back to the treatment plant and settled solids haulage, and a backwash equalization tank with pumping to a sanitary collection system 9 km away.

Slide 12 – Short-listed residual management alternative 1: Backwash equalization tank with recycling of supernatant and settled solids haulage

A description of this alternative is: A backwash equalization tank (or BET) is used to hold the backwash water while is settles to supernatant and the settled solids. The supernatant would be recycled back to the start of the treatment process and the settled solids would be hauled by truck to a septage receiving station.

The advantages of this alternative are:

- This alternative has been used for other plants within the Region and aligns with infrastructure.
- Treatment facility will be resilient to extreme weather events.

The disadvantages of this alternative are:

- This process would require a truck to haul the settled solids once every month.

The estimated comparative lifecycle cost is one point three million dollars.

Slide 13 – Short-listed residual management alternative 2: BET with pumping to a sanitary collection system

A description of this alternative is: A BET is used to hold the backwash water before pumping the residuals to a sanitary collection system.

The advantages of this alternative are:

- There is not truck haulage required for this alternative.
- Could be expanded to bring sanitary service to the community.

The disadvantages of this alternative are:

- The closest sanitary collection system with potential capacity is in Kitchener, located approximately 9 km away from the New Dundee Water Supply Facility.
- Construction of the piping is expensive and would have a greater impact on the community.
- Length of piping and potential pumping station requirements increases operation and maintenance complexity.

The estimated comparative lifecycle cost is fifteen point five million dollars.

Slide 14 – Evaluation of residual management alternatives

The residual management alternatives were scored, and a summary of the scoring is given on this slide.

For technical criteria, alternative 1, the BET with supernatant recycle and settled solids hauling, is well aligned with criteria, and alternative 2, the BET with pumping to an existing sanitary collection system, has very low alignment with criteria.

For financial, or lifecycle, criteria, alternative 1 is well aligned with criteria, and alternative 2 has very low alignment with criteria.

For social slash cultural criteria, alternative 1 is well aligned with criteria, and alternative 2 is not well aligned with criteria.

For natural environment criteria, alternative 1 is very well aligned with criteria, and alternative 2 is not well aligned with criteria.

Overall, alternative 1 is well aligned with the evaluation criteria, while alternative 2 has very low alignment with the evaluation criteria.

Slide 15 – Preferred residual management approach.

The backwash equalization tank with supernatant recycling and haulage of settled solids had the best score in each of the four evaluation categories and is the preliminary preferred residual management approach. This option has the lowest lifecycle cost, is currently in use by the Region at other facilities and is water efficient.

The below schematic provides a representation of the residual management strategy process.

The settled solids would be hauled off site on a monthly or bi-monthly basis, depending on how much is produced.

Slide 16 – Requirements for potential treatment site location

There is not enough space on the existing site for a new treatment facility. Potential options for a new site were identified based on:

- Land size for new building and driveway,
- Vehicle access to the new site,
- Distance to the existing New Dundee Water Supply facility and watermains,
- Environmental features, cultural heritage features, and areas of archaeological potential, and
- Current and potential future land uses.

Slide 17 – Short-list of potential locations

The below map shows five potential locations for the new facility. Three of the potential locations are adjacent to the existing facility, with two potential locations not adjacent to the existing facility, at the end of Alderview Dr. These short- listed facility locations will be evaluated in detail. The evaluation results will be presented at the next Public Consultation Centre #3 where there will be an opportunity review and provide comments.

Slide 18 – Overview of the Municipal Class Environmental planning process

This study is being completed as a Schedule C Municipal Class Environmental Assessment. A Class Environmental Assessment, or Class EA, is a decision-making process that all municipalities in Ontario follow for building new infrastructure. The process will allow you as the public to follow what is planned and provide opportunities for you to ask questions and provide input. The above diagram gives a step by step process of the Class EA.

Phase 1 is to identify the problem and/or opportunity. After Phase 1 is complete, the first Virtual Public Consultation Centre, or virtual PCC, is held. This PCC was completed in June 2020.

Phase 2 is to develop and evaluate solutions and identify the preferred solution. A second PCC is scheduled after this phase is completed. This is where we are in the process currently.

Phase 3 is to develop and evaluate design concepts for the preferred solution and identify the preferred design. A third PCC is scheduled after this phase.

Phase 4 is the submission of the Environmental Study Report (ESR) and a 30-day public review period. Phase 4 is the final step of the Class EA.

Phase 5 is the implementation of the Class EA findings, in this case design and construction of the facility.

Slide 19 – Next steps

The next steps for the project are as follows. The project team has completed a background review of the existing facility and distribution system, identified a preferred treatment and residual management alternative, and presented the findings to the public for their input. After this, the project team can develop and evaluate alternative design concepts including the facility location and site considerations. A third PCC will be held after this for input on the facility location and size, followed by the final step, which is the filing of the Environmental Study Report, or ESR, to document the project information and the decision-making process. As part of the reporting, there is a thirty-day period for public review of the ESR.

Slide 20 – Thank you for your participation!

Finally, we would like to ask you all to get engaged! We are in the middle of the New Dundee water supply system iron and manganese treatment upgrades EA. Do you have any questions, comments, or want to stay up to date? Please contact or fill out a Comment form for either Kaoru Yajima from the Region of Waterloo or Kirk Worounig from R.V. Anderson. Again, the contact information is available on this slide and on the Region website, and more information, including copies of project notices and PCC materials like a transcript of this virtual presentation can be found at the Region of Waterloo's website. Thank you very much for your participation in the virtual PCC, the project team really appreciates it.

Finish

Frank Fei Feng

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: May 11, 2021 4:41 PM
To: [redacted]
Cc: Jonathan Rudyk
Subject: RE: New Dundee water study

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate before Replying or Clicking on any links

Certainly [redacted]! Will do.

Jonathan,
could you add [redacted] to the contact list?
Thanks
Kaoru

-----Original Message-----
From: [redacted]
Sent: May 11, 2021 4:15 PM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Subject: New Dundee water study

Please sign me up for updates.

Sent from my iPhone

Frank Fei Feng

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: July 19, 2021 3:06 PM
To: '[redacted]'
Cc: Jonathan Rudyk; Kirk Worounig
Subject: your Feedback on New Dundee Water Supply Class EA Project PCC#2

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hello [redacted]

Thanks once again for submitting comments on the New Dundee Water Supply Class Environmental Assessment project.

Now that the commenting period has closed for the virtual public consultation 2, the project team is reviewing all input received as they move into the next stage of the project. We also wanted to provide a responses to the feedback we received from you, based on information we have to date.

new facility will negatively affect aesthetic appeal of the neighbourhood

As we are still in the planning stages, the project team will continue to consider all viable alternatives as we move into the next stage of work. The team will take a balanced approach to considering all the factors to supply drinking water to New Dundee, but your preference to locate the new treatment building towards the end of Alderview Road is noted. In this regard, in order to better understand the aesthetic appeal we will be approaching the cultural heritage staff at Wilmot Township and Region of Waterloo for their guidance in the next stage of the project.

I will add that for any of the alternative locations, the building itself will have a pleasant façade, to effectively align with the architectural features in the New Dundee and the local neighbourhood. An architectural rendering will be shown in the next consultation, PCC #3.

future comment forms

In regards to the form, I apologize on the format. I have discussed this with the firm assisting with the project and they will be correcting it in the next round, to address formatting issues.

Let me know if you have any further questions.

Regards,
Kaoru Yajima, P.Eng. (he/him)
Transportation and Environmental Services, Water Services

Region of Waterloo
150 Frederick Street, 7th Floor
Kitchener, Ontario, Canada N2G 4J3
tel: 1-519-575-4757 ext.3349
cell: 226-753-0065



From: Kaoru Yajima
Sent: May 12, 2021 12:59 PM
To: '[redacted]' [redacted] kworounig@rvanderson.com
Subject: RE: Feedback on New Dundee Water Project

Thank you for submitting comments [redacted],

Noted about the form – we will look into better alternatives.

Regards,
Kaoru

From: [redacted] <[redacted]
Sent: May 12, 2021 12:46 PM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>; kworounig@rvanderson.com
Subject: Feedback on New Dundee Water Project

Comment Sheet

Contact Information (Optional, but required if you would like a response to your question):

Name/Organization: [redacted]

Address: [redacted]

New Dundee, ON

E-mail: [redacted]

1. Do you have any comments on the evaluation process?

No

2. Do you have any comments on the recommended treatment approach?

It looks like the options recommended are the most appropriate given all of the criteria.

3. Do you have any comments on the short-listed options for the location of a new treatment facility?

I would prefer to see the facility moved to the other end of Alderview Drive. Removing a portion of the horse pasture for this project would have a negative impact on the community -- aesthetically and socially. The horse farm and pasture is important to our community's identity, provides entertainment and enjoyment for children, and maintains a pastoral aesthetic.

Putting this facility on this very visible corner would, not only take much of the horse farm away, but it would also affect the general aesthetic of the town. Tucking it away at the end of Alderview Drive so that it doesn ' t interfere with residents ' sightlines to the lake is preferred.

4. Do you have any other questions or comments about the study?

No, but this form is not user friendly. Longer text has to be chopped up in order to be viewable, and it has to be downloaded to be emailed. Surely a better comment system would be more accessible to community members?

Please email the completed forms by June 9, 2021 to:

Regional Municipality of Waterloo
Kaoru Yajima, P.Eng.
Sr. Engineer, Water Services
T: 519-575-4757, Ext. 3349
E: kyajima@regionofwaterloo.ca
F: 519-575-4452

R.V. Anderson Associates Limited
Kirk Worounig, P.Eng., PMP
Project Manager
T: 416-497-8600 Ext 1246
E: kworounig@rvanderson.com
F: 855-833-4022

All comments and information received from individuals, stakeholder groups and agencies regarding this project are being collected under the authority of the "Municipal Act" to assist the Region of Waterloo in making a decision. Under the "Municipal Act", personal information such as name, address, telephone number, and property location that may be included in a submission becomes part of the public record. Questions regarding the collection of this information should be referred to Kaoru Yajima at the Region of Waterloo.

Frank Fei Feng

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: May 13, 2021 10:45 AM
To: [redacted]
Cc: Kirk Worounig; Jonathan Rudyk
Subject: RE: New Dundee water project

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hello [redacted],

Thanks for your interest in the New Dundee Water Supply Class Environmental Assessment. I'm the Region of Waterloo's project manager and I acknowledge receipt of your comments.

Together with other comments we may receive, they will be considered as the project evolves.

Regarding your questions, the project team will work on them in the next stage of work as we evaluate the possible sites in more detail. We will provide responses in the next round of public consultation.

I note that you also queried about residents connecting to the municipal sewer. The decision of whether or not to provide sanitary collection services to residents lies with Wilmot Township and beyond the scope of this project. I can try to connect you to appropriate Township staff if you are interested in pursuing further.

Regards,
Kaoru Yajima

From: Kirk Worounig <kworounig@RVAnderson.com>
Sent: May 13, 2021 8:57 AM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>; Jonathan Rudyk <JRudyk@rvanderson.com>
Subject: FW: New Dundee water project

Hi Kaoru,

I received the following email regarding New Dundee. Do you want to respond?

Kirk

From: [redacted]
Sent: Wednesday, May 12, 2021 7:40 PM

To: Kirk Worounig <kworounig@RVAnderson.com>
Subject: New Dundee water project

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hi Kirk,

My name is [redacted] living on [redacted] in New Dundee.Thanks for sharing and encouraging feedback. I have some questions on the alternative location indicated in the presentation. The location at the end of Alderview . Roughly how big of building would be required to house the filtration system and associated equipment? How big of a truck is needed to haul away the solids ? What is the estimated time required per vist to complete the task ? Is the truck a vacuum truck or are the solids pumped form the facility to the tanker ? It was indicated that it may need to be done 2 times a month . Is this a conservative estimate?

Understanding the sanitary sewer is some distance away . The option of running a sanitary truck line to facilitate the solids removal described in the report . Is a more costly solution .Would it not be more beneficial in the long term allowing the citizens to connect to municipal sewer line in the future?

The project will definitely benefit the water quality. My concern is how the operation of the system will impact our environment in our peaceful street .

Thanks for taking the time to review my comments . Looking forward to more information on this project.

[redacted]

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Frank Fei Feng

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: July 19, 2021 3:07 PM
To: [redacted]
Cc: Kirk Worounig; Jonathan Rudyk
Subject: your Feedback on New Dundee Water Supply Class EA Project PCC#2

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hello [redacted],

Thanks once again for submitting comments on the project.

Now that the commenting period has closed for the virtual public consultation 2, the project team is reviewing all input received as they move into the next stage of the project. We also wanted to provide responses to the feedback we received from you, based on information we presently have.

What environmental impact this will have?

An Existing Conditions Report was completed by a Natural Heritage consultant for the proposed locations, and field investigations in the surrounding area is being completed currently, to reflect on site conditions. A Stage 1 Archaeological Assessment (AA) was completed in 2020, and archaeological potential was identified in the field adjacent to the 156 Alderview Drive Water Treatment Plant site. A Stage 2 AA will be conducted in the preliminary design phase for the preferred location, to clear the site of any artifacts and preserve them.

What would be the estimated time of time it would take to complete a 'pump out'?

Based on the Region's experience at our existing, similarly sized rural water facilities for iron and manganese removal, the operation takes roughly one to two hours

How loud is the truck when it 'Pumps out'?

Based on the Region's experience at our existing, similarly sized rural water facilities for iron and manganese removal, there will be truck noise associated with the removal. Therefore this operation is coordinated to occur during weekday working hours

How often with the truck need to come to pump out? In your proposal it mentions monthly on one slide, then bi-monthly and as often as needed. Is there a chance it could be weekly?

Thank you for identifying this discrepancy. The settled solids will be hauled off once per month at the most, but it will likely be roughly eight times a year. This is typical for the iron and manganese

removal facilities located in other rural communities in the Region. We will clarify this in the next round of consultations.

What are your plans for the aesthetic of the building, will it match with our residential neighbourhood or with it look like a facility? How tall would this building be?

The team will take a balanced approach to considering all the factors to supply drinking water to New Dundee, but your comments on the proposed locations are noted. In order to better understand the aesthetic appeal we will be approaching the cultural heritage staff at Wilmot Township and Region of Waterloo for their guidance.

An architectural rendering will be included as part of PCC #3. The architecture of the building will strive to match the existing pastoral aesthetic. A landscape architect will be retained during design to present a suitable landscaping plan for Township review.

The building height will be one story, similar to the existing building.

Since this will take up such a large area what are your plans to make it fit in with a residential area? Will there be trees and plants? Will someone come to maintain the grass & weeds, if there will be a green area?

Although the new treatment building layout still in development, the project team is striving to minimize the size. The project team anticipates the building to be a maximum 20 m by 15 m, and one story tall, however further detail will be provided in PCC#3.

Regards,
Kaoru Yajima, P.Eng. (he/him)
Transportation and Environmental Services, Water Services
Region of Waterloo
150 Frederick Street, 7th Floor
Kitchener, Ontario, Canada N2G 4J3
tel: 1-519-575-4757 ext.3349
cell: 226-753-0065



From: Kaoru Yajima
Sent: May 13, 2021 10:45 AM
To: [redacted]
Cc: 'Kirk Worounig' <kworounig@RVAnderson.com>; Jonathan Rudyk <JRudyk@rvanderson.com>
Subject: RE: Regarding the New Dundee Water Supply – Iron and Manganese Water Treatment Upgrades Municipal Class Environmental Assessment

Hello [redacted],

Thanks for your interest in the New Dundee Water Supply Class Environmental Assessment. I'm the Region of Waterloo's project manager and I acknowledge receipt of your comments.

Together with other comments we may receive, they will be considered as the project evolves.

Regarding your questions, the project team will work on them in the next stage of work as we evaluate the possible sites in more detail. We will provide responses in the next round of public consultation.

Regards,
Kaoru Yajima

From: Kirk Worounig <kworounig@RVAnderson.com>
Sent: May 13, 2021 8:58 AM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>; Jonathan Rudyk <JRudyk@rvanderson.com>
Subject: FW: Regarding the New Dundee Water Supply – Iron and Manganese Water Treatment Upgrades Municipal Class Environmental Assessment

Hi Kaoru,

I received the following email regarding New Dundee. Do you want to respond?

Kirk

From: [redacted]
Sent: Wednesday, May 12, 2021 8:57 PM
To: Kirk Worounig <kworounig@RVAnderson.com>
Subject: Regarding the New Dundee Water Supply – Iron and Manganese Water Treatment Upgrades Municipal Class Environmental Assessment

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hello Kirk,

I am [redacted] and I am a resident of New Dundee and more specifically I live on [redacted]. I have recently been informed of the *'Notice of Study Commencement New Dundee Water Supply – Iron and Manganese Water Treatment Upgrades Municipal Class Environmental Assessment'* and I am honestly applauded at the current proposed areas for this new facility.

I understand the need for this to improve our water and I thank you for identifying and looking for a solution to better our drinking water. But I feel as though that amount of care and thought did not go into the on the ground planning.

Your proposed **sites for 1-3 (that would sit on the corner of Alderview Dr and Main Street),** I'm not sure if you aware of this but that is a very steep hill coming up Main street and the road does get quite narrow around the bend. I don't see how you can park a large truck for even a small amount of time or give enough space for a large truck to turn into a parking area. Also it would be a complete eye sore to a major artery of where people walk and drive through New Dundee.

Your proposed **sites for 4 & 5 (That would mostly be on Bock Street),** the fact that number 4 is even an option is very concerning to me, again I recommend if you have never seen this area in person I suggest you do.

To turn onto Bock St from Alderview is a tight turn, on google maps is looks like a large open area but daily people drive onto our grass to make it around the corner. My other concern with **site 4** is you will completely ruin the property value for 296 Alderview Dr and 264 Alderview. One of the main reason people move to New Dundee, specifically our neighbourhood, is too live in a quiet area that looks onto the surrounding fields. What your proposing is to put a large building on the property line of a house as well as put a paved road, that will most likely have bright street lights and a locked fence on his other property line is ridicules. You would be diminishing the appeal our neighbourhood completely.

As in regards to **site 5,** again the road is narrow, this is a small neighbourhood, and the idea of a truck having to maneuver its way and then sit idly too pump for an uncertain amount of time does not speak to the culture New Dundee.

What environmental impact this will have?

What would be the estimated time of time it would take to complete a 'pump out'?

How loud is the truck when it 'Pumps out'?

How often with the truck need to come to pump out? In your proposal it mentions monthly on one slide, then bi-monthly and as often as needed. Is there a chance it could be weekly?

What are your plans for the aesthetic of the building, will it match with our residential neighbourhood or with it look like a facility? How tall would this building be?

Since this will take up such a large area what are your plans to make it fit in with a residential area? Will there be trees and plants? Will someone come to maintain the grass & weeds, if there will be a green area?

Thank you, and I hope to hear back.

[redacted]

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Frank Fei Feng

Subject: FW: your Feedback on New Dundee Water Supply Class EA Project PCC#2 - 2

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Hello [redacted],

Thanks once again for submitting comments on the project.

Some further responses below to your remaining questions from your second submission.

existing gradient in the area, and truck turning radii

The new site layout will ensure that grades are reflective of the surrounding area, and that post development stormwater flows will equal pre-development stormwater flows. Sufficient space will be provided such that truck turning radii do not infringe on curbs or boulevards

road is too narrow for access of the truck

The existing road meets the Region of Waterloo Corridor (Roadway) Design Guidelines, and future driveways would meet Township of Wilmot Zoning Bylaws

Regards,
Kaoru Yajima, P.Eng. (he/him)
Transportation and Environmental Services, Water Services
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150 Frederick Street, 7th Floor
Kitchener, Ontario, Canada N2G 4J3
tel: 1-519-575-4757 ext.3349
cell: 226-753-0065



Frank Fei Feng

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: July 19, 2021 3:08 PM
To: Jonathan Rudyk
Subject: FW: your Feedback on New Dundee Water Supply Class EA Project PCC#2

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

From: Kaoru Yajima
Sent: July 19, 2021 3:08 PM
To: [redacted]
Cc: 'kworounig@rvanderson.com' <kworounig@rvanderson.com>
Subject: your Feedback on New Dundee Water Supply Class EA Project PCC#2

Hello [redacted],

Thanks once again for submitting comments on the project. Also thanks for your voicemail. Given that many are working from home, it's best to use email to get in contact with us.

Now that the commenting period has closed for the virtual public consultation 2, the project team wanted to provide an additional response to the feedback we received from you.

Increase in vehicular traffic

This is a good point. Based on the Region of Waterloo's experience at our existing, similarly sized water facilities for iron and manganese removal (like in Rosedale, Foxboro Green, Heidelberg, St. Clements, to name a few), a truck will be on site typically once a month. Also, operations will be coordinated to occur during weekday business hours. Still, your comment about children playing along Alderview is noted.

I appreciate your comments.

Regards,
Kaoru Yajima, P.Eng. (he/him)
Transportation and Environmental Services, Water Services
Region of Waterloo
150 Frederick Street, 7th Floor
Kitchener, Ontario, Canada N2G 4J3
tel: 1-519-575-4757 ext.3349

cell: 226-753-0065



From: Kaoru Yajima
Sent: May 13, 2021 10:15 AM
To: '[redacted]' [redacted]
Cc: kworounig@rvanderson.com
Subject: RE: PCC #2 New Dundee Water Supply Comment Sheet

Hello [redacted],

Thanks for your interest in the New Dundee project, and taking time to submit comments.

Together with other comments we may receive, they will taken into consideration as the project evolves.

Regards,
Kaoru

From: [redacted] <[redacted]
Sent: May 13, 2021 9:44 AM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>; kworounig@rvanderson.com
Subject: PCC #2 New Dundee Water Supply Comment Sheet

Kaoru/Kirk,

Attached is my completed comment sheet on your virtual PCC #2. Good work!

Cheers,

[redacted]

Comment Sheet

Contact Information (Optional, but required if you would like a response to your question):

Name/Organization: [redacted]

Address: [redacted]

New Dundee, Ontario N0B 2E0

E-mail: [redacted]

1. Do you have any comments on the evaluation process?

I am confident that the process has aligned the best and most cost effective and environmentally friendly approach for the project. The project team has done a terrific job at communicating this project to the residents.

2. Do you have any comments on the recommended treatment approach?

I feel that due consideration has been given to the multiple facets of the project and the process has provided adequate feedback opportunities. The defined approach makes for a logical and considerate way forward.

3. Do you have any comments on the short-listed options for the location of a new treatment facility?

I would hope that the existing facility could be redesigned to accomodate this upgrade however, I feel the increase in commercial vehicular traffic directed to the site to truck residuals would be less of an impact if the facility was relocated to the end of Alderview Drive, which now has an agricultural land use in.

4. Do you have any other questions or comments about the study?

I want to thank the Region of Waterloo and the project team for keeping us informed of this important community initiative and being ahead of the curve on the aesthetic changes that are likely to be implemented in the near future.

Please email the completed forms by June 9, 2021 to:

Regional Municipality of Waterloo
Kaoru Yajima, P.Eng.
Sr. Engineer, Water Services
T: 519-575-4757, Ext. 3349
E: kyajima@regionofwaterloo.ca
F: 519-575-4452

R.V. Anderson Associates Limited
Kirk Worounig, P.Eng., PMP
Project Manager
T: 416-497-8600 Ext 1246
E: kworounig@rvanderson.com
F: 855-833-4022

All comments and information received from individuals, stakeholder groups and agencies regarding this project are being collected under the authority of the "Municipal Act" to assist the Region of Waterloo in making a decision. Under the "Municipal Act", personal information such as name, address, telephone number, and property location that may be included in a submission becomes part of the public record. Questions regarding the collection of this information should be referred to Kaoru Yajima at the Region of Waterloo.

Frank Fei Feng

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: May 13, 2021 10:10 AM
To: 'Cerniavskaja, Karina (MNRF)'; Kirk Worounig
Cc: Jonathan Rudyk
Subject: RE: Notice of Virtual Public Consultation Centre #2 - New Dundee Water Supply System – Iron and Manganese Treatment Upgrades (37)

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hello Karina,

We will make the adjustment on our end.

Thanks for letting me know.

Kaoru

From: Cerniavskaja, Karina (MNRF) <Karina.Cerniavskaja@ontario.ca>
Sent: May 13, 2021 9:55 AM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>; kworounig@rvanderson.com
Cc: DCiccarelli@rvanderson.com
Subject: FW: Notice of Virtual Public Consultation Centre #2 - New Dundee Water Supply System – Iron and Manganese Treatment Upgrades (37)

Good morning,

Thank you for your email to the Ministry of Natural Resources and Forestry (MNRF) Guelph District Office.

I am the District Planner currently covering the MNRF Guelph District geography, which includes the Region of Waterloo.

Please replace Ken Cornelisse's contact information with my information.

Thanks again,
Karina

Karina Černiavskaja, District Planner

Ministry of Natural Resources and Forestry
Tel: 519-200-2276 | Email: karina.cerniavskaja@ontario.ca

Ontario

As part of providing accessible customer service, please let me know if you have any accommodation needs or require communication supports or alternate formats.

From: Dora Ciccarelli <DCiccarelli@rvanderson.com>
Sent: Tuesday, May 11, 2021 10:10 AM
To: Cornelisse, Ken (MNRF) <ken.cornelisse@ontario.ca>
Subject: Notice of Virtual Public Consultation Centre #2 - New Dundee Water Supply System – Iron and Manganese Treatment Upgrades (37)

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Dear Sir/Madam:

Re: Notice of Virtual Public Consultation Centre #2
Video Uploaded May 11, 2021, to YouTube and Region of Waterloo Website
New Dundee Water Supply System – Iron and Manganese Treatment Upgrades
Schedule 'C' Class Environmental Assessment

Please see enclosed the Notice of Virtual Public Consultation Centre #2 for the New Dundee Water Supply System – Iron and Manganese Treatment Upgrades Municipal Class Environmental Assessment (Class EA). The Regional Municipality of Waterloo is undertaking this Class EA to identify a preferred approach for iron and manganese treatment.

If you would like more information about the New Dundee Water Supply System – Iron and Manganese Treatment Upgrades or would prefer to be removed from the study's contact list, please contact the undersigned.

Kaoru Yajima, P.Eng.
Sr. Engineer, Water Services
Region of Waterloo
150 Frederick Street, 7th Floor
Kitchener, ON N2G 4J3

Phone: 519-575-4757 ext. 3349
Email: kyajima@regionofwaterloo.ca

Kirk Worounig, P.Eng., PMP
Consultant Project Manager
R.V. Anderson Associates Limited
2001 Sheppard Avenue East, Suite 300
Toronto, ON M2J 4Z8

Phone: 416-497-8600 ext. 1246
Email: kworounig@rvanderson.com

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Frank Fei Feng

Subject: FW: Hydro One Response: New Dundee Water Supply Iron and Manganese Water Treatment Upgrades

From: Jonathan Rudyk
Sent: May 18, 2021 12:14 PM
To: susan.sun@hydroone.com; SecondaryLandUse@HydroOne.com
Cc: Kirk Worounig <kworounig@RVAnderson.com>; Kaoru Yajima <KYajima@regionofwaterloo.ca>
Subject: RE: Hydro One Response: New Dundee Water Supply Iron and Manganese Water Treatment Upgrades

Hi Susan,

Thank you for sending your response to us, we are acknowledging receipt of it, and will advise Hydro One if the study area changes.

RVA IS GROWING!
Our NEW Halton and Halifax offices are now open.

Jonathan Rudyk, P.Eng
Process Engineer / Site Representative
P: (416) 497-8600 ext. 1497
Or on Microsoft Teams
R.V. Anderson Associates Limited
2001 Sheppard Avenue East, Suite 300 Toronto, ON M2J 4Z8
rvanderson.com

From: Susan.SUN@HydroOne.com <Susan.SUN@HydroOne.com> **On Behalf Of** SecondaryLandUse@HydroOne.com
Sent: Thursday, May 13, 2021 12:33 PM
To: Kirk Worounig <kworounig@RVAnderson.com>
Cc: kyajima@regionofwaterloo.ca
Subject: Hydro One Response: New Dundee Water Supply Iron and Manganese Water Treatment Upgrades

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Please see the attached for Hydro One's Response.

Hydro One Networks Inc
SecondaryLandUse@HydroOne.com

Hydro One Networks Inc
483 Bay St
Toronto, ON

May 13, 2021

Re: New Dundee Water Supply Iron and Manganese Water Treatment Upgrades

Attention:
Kirk Worounig, P.Eng., PMP
Project Manager
R.V. Anderson Associates Limited

Thank you for sending us notification regarding (New Dundee Water Supply Iron and Manganese Water Treatment Upgrades). In our preliminary assessment, we confirm there are no existing Hydro One Transmission assets in the subject area. Please be advised that this is only a preliminary assessment based on current information.

If plans for the undertaking change or the study area expands beyond that shown, please contact Hydro One to assess impacts of existing or future planned electricity infrastructure.

Any future communications are sent to Secondarylanduse@hydroone.com.

Be advised that any changes to lot grading and/or drainage within proximity to Hydro One transmission corridor lands must be controlled and directed away from the transmission corridor.

Sent on behalf of,

Secondary Land Use
Asset Optimization
Strategy & Integrated Planning
Hydro One Networks Inc.

Frank Fei Feng

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: July 19, 2021 3:09 PM
To: '[redacted]'
Cc: Kirk Worounig; Jonathan Rudyk
Subject: your Feedback on New Dundee Water Supply Class EA Project PCC#2

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hello [redacted],

Thanks once again for submitting comments, and your questions on the project.

Now that the commenting period has closed for the virtual public consultation 2, the project team is reviewing all input received as they move into the next stage of the project. We also wanted to provide a response to the feedback we received from you.

considerations for the preferred alternative

Although the new treatment building layout is still in development, the project team is striving to minimize the size. At this point, the project team anticipates the building to be a maximum 20 m by 15 m, and one story tall. These dimensions are smaller than the boxes shown in the slides which included required open space setbacks. Further detail will be provided in PCC#3.

impact to property

Thank you for pointing out potential impacts of your private water supply and your value. It is helpful that you point these out during the planning phases of the project. If any of the locations close to your property is the best alternative, then in terms of your well, it would be our duty to look into potential impacts to water supplies nearby during construction and a specialist will be part of the project team to look into the potential for any water supply impacts to neighbouring properties.

Although I do not have a definite answer for your other question, I will be consulting internally with our real estate division in this regard.

If you have any other questions, please let me know.

Regards,
Kaoru Yajima, P.Eng. (he/him)
Transportation and Environmental Services, Water Services
Region of Waterloo

150 Frederick Street, 7th Floor
Kitchener, Ontario, Canada N2G 4J3
tel: 1-519-575-4757 ext.3349
cell: 226-753-0065



From: Kaoru Yajima
Sent: May 14, 2021 4:27 PM
To: '[redacted]' [redacted]
Cc: Kirk Worounig <kworounig@RVAnderson.com>; 'Jonathan Rudyk' <JRudyk@rvanderson.com>
Subject: RE: phase 2 of water management at New Dundee

Hello [redacted],

Thank you for taking time to read through our project material and document your opinions and thoughts.

We will certainly take them into consideration as we move into the next step of the project.

Regards,
Kaoru

Kirk, Jonathan,

Please note the comments and questions received below. I talked to her on the phone yesterday and she is the property owner of the farm behind the New Dundee water treatment plant.

Kaoru

From: [redacted]
Sent: May 14, 2021 4:18 PM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Subject: phase 2 of water management at New Dundee

Consultation Centre # 2

Hello Kaoru

Alternative # 1 cost at 1.3 million compared to alternative # 2 at 15.5 million seems to me to be the best choice for several reason. If I understand it alternative # 1 process is already being used in the region and is working well, and the cost difference is considerable.

The construction of piping needed in your # 2 alternative would have a negative impact on the community not only disrupting land use but the cost of the maintenance of those pipe lines would be ongoing.

We have already received a rash of opinions on the locations proposed in the map, none of which are favorable especially those at or around the existing pump house. Our personal concerns for my property is the impact on my water well location and and the loss of income from my land, as well as the the impact on the value of any sale of my property in the future.

There is a lot to consider about this project, but until you have developed and determined what the final design is, how will you know how much land you will need.

I look forward to consultation # 3 when the concerns of my neighbors as well as mine will be expressed.

Regards

[redacted]
[redacted]
New Dundee

Frank Fei Feng

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: May 17, 2021 8:09 AM
To: '[redacted]'
Cc: Jonathan Rudyk; Kirk Worounig
Subject: RE: New Dundee Waterloo Supply Upgrade

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate before Replying or Clicking on any links

Hello [redacted],

Thanks for reaching out and letting us know. We can certainly include you in the notification list.

I wasn't sure if you had viewed the video prepared for this round of consultation. In case you didn't, please go to the following and scroll down to the New Dundee Water Supply - Iron and Manganese Water Treatment Upgrades project where there is a link to the video. We are also accepting comments on the material.

https://hes32-ctp.trendmicro.com:443/wis/clicktime/v1/query?url=www.regionofwaterloo.ca%2fwaterprojects&umid=8866843a-3409-4d64-807f-f2413c8064d2&auth=ae5b7509e662c7d4ba2bc398001a905538473861-2c223828d25501b224e28f435fffe53c61ade9c8

Regards,
Kaoru Yajima

Jonathan, Kirk,

Please add [redacted] to the contact list.
Tks,
Kaoru

-----Original Message-----
From: [redacted]
Sent: May 16, 2021 9:19 AM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Subject: New Dundee Waterloo Supply Upgrade

Hello.

I am a resident on [redacted] and some of your proposed sites for the new upgrade would have a significant impact.

Please add me to your email list so I may be better informed regarding updates.

Please use this email address: [redacted]

Thank you.
[redacted],
[redacted]

Frank Fei Feng

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: May 17, 2021 8:20 AM
To: '[redacted]'
Cc: Kirk Worounig; Jonathan Rudyk
Subject: RE: New Dundee Well Project

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate before Replying or Clicking on any links

Hello [redacted],

The format for receiving comments is flexible so yes, you can submit your comments in an email directly.

Alternatively, there is also a comment sheet that you can download from the project website:

https://www.regionofwaterloo.ca/en/living-here/resources/Documents/water/projects/water/WS2021MayCommentSheetVirtualPCC2NewDundeeWaterSupplyIronAndManganeseWaterTreatmentAndUpgradesMunicipalClassEA-DOCS3651275.PDF

When you submit please add the two cc'd, Jonathan and Kirk who are assisting with the project.

I look forward to receiving your comments, and thanks for your continued interest in the project, Kaoru

-----Original Message-----
From: [redacted]
Sent: May 16, 2021 5:22 PM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>; kworounig@rvanderson.com
Subject: New Dundee Well Project

May 15, 2021

Hello Kaoru and Kirk,

Thank you for sharing the information about the New Dundee (and other) well water improvement projects.

I do have a few comments and concerns and am not sure whether to express them to you via email or is there some other public process whereby persons and nearby houses that would be affected by the well and proposed sites will have an opportunity to either read or hear everyone's comments and concerns.

I appreciate your guidance on how to move forward with sharing our concerns at this time.

Many thanks

[redacted]

Frank Fei Feng

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: May 17, 2021 1:55 PM
To: '[redacted]'
Cc: Kirk Worounig; Jonathan Rudyk
Subject: RE: [redacted], New Dundee

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate before Replying or Clicking on any links

Hello there,

Thank you for letting me know! We will update our records.

This is a public consultation and if you wish to receive notices on the project, just let me know.

Regards,
Kaoru

-----Original Message-----
From: [redacted]
Sent: May 17, 2021 1:53 PM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Cc: kworounig@rvanderson.com
Subject: [redacted], New Dundee

[redacted] no longer resides at this residence. The property has been sold.

Thank You

Sent from my iPad

Frank Fei Feng

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: May 26, 2021 1:44 PM
To: '[redacted]'
Cc: Les Armstrong; Angie Hallman; Kirk Worounig; Jonathan Rudyk
Subject: RE: New Dundee Water System

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hello [redacted],

Thanks for taking time to ask questions about the project. I provide responses based on your referenced page number.

Page 3 questions

Drinking water quality standards and aesthetic objectives are regulated by the Ministry of Environment, Conservation and Parks of the Ontario government. The water supplied from the New Dundee Water Treatment Plant satisfies all current drinking water quality standards and objectives and is safe to consume. Objectives, according to the Ministry, are targets that should be met.

As mentioned in slide 7 of our first public consultation, the Province is contemplating a reduction of the manganese aesthetic objective (AO) from the current 0.05mg/l to 0.02 mg/l based on Health Canada recommendations. The levels of manganese at New Dundee meet the current AO but would be above the proposed AO.

The timing of the adoption of AO level into the Provincial standards is dependent on the Province's processes. However due to the long lead-time for treatment systems to be brought on line, typically five to seven years, the Region is taking a proactive approach to planning for treatment at all of its water treatment plants identified to be in a similar situation to the New Dundee. These include ongoing studies at the Erb Street Water Supply System, the Shingleton water supply system, and the Middleton Water supply system.

Page 5 questions

The existing New Dundee Water Supply System was identified as requiring treatment based on detailed analysis of water quality and performance of the existing system with consideration of the contemplated AO levels. As a result, alternative solutions were identified to meet this level.

The screened out alternatives were eliminated because they failed to meet critical criteria that are needed to meet the project goals. These goals were set by considering how to best solve the project objective with the minimal amount of disruption or cost to people and the environment.

Page 6 questions

We currently have numerous manganese treatment facilities in place. Facilities with similar size to New Dundee would be in Ayr, Foxboro Green, Heidelberg, St. Clements, New Hamburg, Roseville, and Linwood. The Region has manganese treatment in larger facilities in Cambridge, Kitchener and Waterloo as well. Unfortunately, we currently do not allow facility tours at this time.

Page 8 questions

On slide 4, we present a breakdown of criteria used to score the alternatives. They are grouped into technical, social, natural environment and financial criteria. Scoring is based on studies, background data collected and the expertise of the project team. We welcome feedback on any criteria that has been missed. Feedback collected will be considered as part of the EA process.

Page 11 questions

Thank you for identifying this discrepancy. The settled solids will be hauled off once per month at the most, but it will likely be roughly eight times a year. This is typical for the iron and manganese facilities located in other rural communities in the Region. We will clarify this in the next round of consultations.

Page 19 questions

Our engineering consultant has developed alternatives which are in line with good water supply engineering practice and are presented in the boards. Nevertheless, we encourage your feedback including any other alternatives for consideration as part of the Municipal Class Environmental Assessment process we are following.

Again, thank you for your questions.

Kaoru Yajima

From: [redacted]
Sent: May 18, 2021 9:58 AM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>; kworounig@rvanderson.com
Cc: Les Armstrong <les.armstrong@wilmot.ca>; Angie Hallman <angie.hallman@wilmot.ca>
Subject: New Dundee Water System

G'day……..have some questions for you guys and would appreciate a response to my queries……as you mentioned on page 2…answer any questions you may have….so, here we go……..

On page 3……define more stringent aesthetic drinking water objectives for manganese are expected in the near future
…are objectives the law or somebodies idea…….what are the FACTS
…define near future as in years/months etc.
….what is wrong with our existing water…..lived here for 35 years, water is GREAT
…what are our existing iron and manganese levels in New Dundee, and what are the current requirements by law

On page 5…..screened out alternatives….Do Nothing…….explain ALL THE DETAILS that you used to come to this conclusion or did you just want to quickly eliminate this alternative to get to the one that you want all the time.

….. you claim that screened out alternatives did not meet project objectives, BUT what if the project objectives are/were not realistically in tune with the laws and the existing quality of our current water and the actual/accurate timeline for laws to change.

On page 6…..where are all the other facilities in the region that use this system and can we view and have these procedures explained to us on site.

On page 8…….all your scoring is all based on criteria, which is based on project objectives, which are based on ideas, thoughts, wishful thinking, whatever……BUT are they based FACTS

On page 11……you say the haulage of the solids would be ONCE a MONTH……BUT on page 15, you say monthly or bi-monthly depending on how much is produced….so, that leaves the door open for any amount and your ass is covered. Why not commit to a maximum number of trucks, period

On page 19……..based on all public consultation, I trust that possible other alternatives will be considered and not just railroad your proposed objectives

So, I ask you to address my concerns/questions and kindly reply.

Regards, a concerned citizen

[redacted]

Frank Fei Feng

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: July 19, 2021 3:10 PM
To: '[redacted]'
Cc: Kirk Worounig; Jonathan Rudyk
Subject: your Feedback on New Dundee Water Supply Class EA Project PCC#2

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hello [redacted], [redacted],

Thanks once again for submitting comments on the project. Thanks also for sending the various photos of the local area and your suggestions.

Now that the commenting period has closed for the virtual public consultation 2, the project team is reviewing all input received as they move into the next stage of the project. We also wanted to provide a responses to the feedback we received from you, based on information we presently have.

scoring for the sites and weighting of the criteria

We appreciate the feedback on the criteria. As noted in the slides, the selection of the preferred site alternative will be based on evaluation of the five alternatives against four evaluation criteria categories: Technical, Environmental, Social/Cultural, and Financial. These categories follow the recommendation of the Municipal Class Environmental Assessment process.

As a preliminary evaluation, the criteria categories will be weighted equally, however it is also standard practice to conduct a sensitivity analysis by changing the weighting of the criteria which are more important to stakeholders interested in the project; your point about the changing the weight of the financial criteria is noted.

blending to local aesthetic

Again, thank you for pointing out the aspects of the community in your submission. In order to better understand the aesthetic appeal we will be approaching the cultural heritage staff at Wilmot Township and Region of Waterloo for their guidance in this next stage of the project.

Also, an architectural rendering will be included as part of the next PCC #3. The architecture of the building will strive to match the existing pastoral aesthetic. A landscape architect will be retained during design to present a suitable landscaping plan for review.

noise and odour

During construction of the facility, there will be increased truck and vehicle traffic. The team will consult their construction experts on strategies to mitigate impacts from construction and report back in the next consultation. The Region will also ensure that construction is only during the times permitted by Wilmot Township.

Once the facility is running, any additional noise will be minimized through design.

No odor is anticipated from the future operation of the facility.

details regarding the haul-away of solids using trucks

based on our experience at our existing, similarly sized water facilities for iron and manganese removal (in Rosewood, Foxboro Green, Heidelberg, St. Clements to name a few), a vacuum truck will be on site typically a maximum of once a month to remove solids. There will be truck noise associated with the removal which takes roughly one hour. Therefore this operation will be coordinated to occur during weekday business hours only.

new facility will negatively affect the aesthetic appeal of the neighbourhood

As we are still in the planning stages, the project team will continue to consider all alternatives as we move into the next stage of work. The team will take a balanced approach to considering all the factors to supply drinking water to New Dundee, but your preference to locate the new treatment building towards the end of Alderview Road is noted.

The new treatment facility is being constructed to confirm that the Region of Waterloo maintains its goal of treating its drinking water to aesthetic objective levels. The building itself will have a façade that effectively aligns with the architectural features in New Dundee and the local neighbourhood. An architectural rendering will be shown in PCC #3

reason the red, green, and blue layouts are different sizes

The difference in sizes was due to preliminary estimates for the access of maintenance vehicles, its parking space, and building orientation.

Although the new treatment building still in development, the project team is striving to minimize the size. The project team anticipates the building to be a maximum 20 m by 15 m, and one story tall, however further detail on this will be provided in PCC#3. Your points on the proposed location are noted.

pasturelands provide a higher environmental value than cropland

We consulted with our ecologist and they noted that in a general sense they may have a higher environmental value, therefore in the evaluation for environmental criteria, there will be a difference based on the land being pasture rather than row crop. However, based on preliminary site investigations, our ecologist has not noted any features, such as presence of species at risk, that would exclude any of the site options at this stage of the study. The findings will be shared at PCC#3.

I have tried to answer your questions based on what we have so far, however if you have any further questions please let me know.

Regards,
Kaoru Yajima, P.Eng. (he/him)
Transportation and Environmental Services, Water Services
Region of Waterloo
150 Frederick Street, 7th Floor
Kitchener, Ontario, Canada N2G 4J3
tel: 1-519-575-4757 ext.3349
cell: 226-753-0065



From: [redacted]
Sent: June 8, 2021 8:34 PM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>; kworounig@rvanderson.com
Subject: Comments on Regional Municipality of Waterloo New Dundee Water Supply System – Iron and Manganese Upgrades

Hello Kaoru and Kirk,

Please find attached our comments regarding the Regional Municipality of Waterloo New Dundee Water Supply System – Iron and Manganese Upgrades Environmental Assessment, Virtual Public Consultation Centre #2. Attached is the returned May Comment Sheet and a second pdf document "[redacted]Comments -New Dundee Water Project.pdf" with additional comments.

Please confirm your receipt of this email and both attached documents.

Best Regards,

[redacted]
New Dundee, ON, N0B 2E0

Comments on Regional Municipality of Waterloo New Dundee Water Supply System – Iron and Manganese Upgrades - Virtual Public Consultation Centre #2

[redacted]

June 8, 2021

[redacted], **New Dundee, N0B 2E0**

1. **Criteria Scoring:**
   - I disagree with the criteria scoring method given, where all four of the criteria areas are scored with equal weighting. Financial criteria should not necessarily have equal weighting to social criteria. It is difficult to put a price on social criteria. Often the social impact costs will far out weight the extra financial cost that may result from choosing another option to avoid the problem.

2. **Social Criteria affecting all residents of New Dundee and the neighbourhood:**
   - The locations of Layouts 1, 2 and 3 will have a major negative impact to the residents of New Dundee affecting the view and aesthetics of the area.

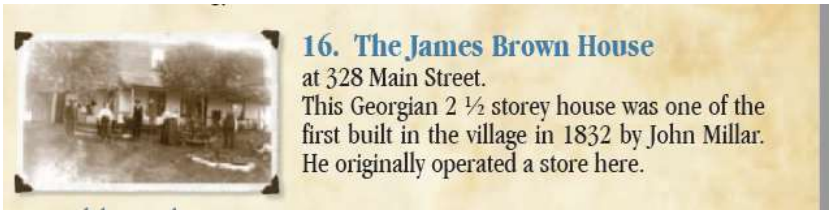
     The view and aesthetics of the farm field and barn at the corner of Alderview Dr. and Main St. is a unique and valuable cultural asset to the local and adjoining neighbourhoods of New Dundee. There are not many small towns that offer what this neighbourhood currently has, which is a close-up proximity and view to a quaint "Waterloo County" style barn and pastureland usually having one or more horses grazing in the field.

     It is a very common occurrence, sometimes almost daily, for residents to bring young children to see the horses, often by accessing the open maintained space between the water station and the house beside at 182 Alderview Dr. which is at the location of the proposed Layout 1 and 2. A building at Layout 1 or Layout 2 locations will block this access to the neighbourhood.

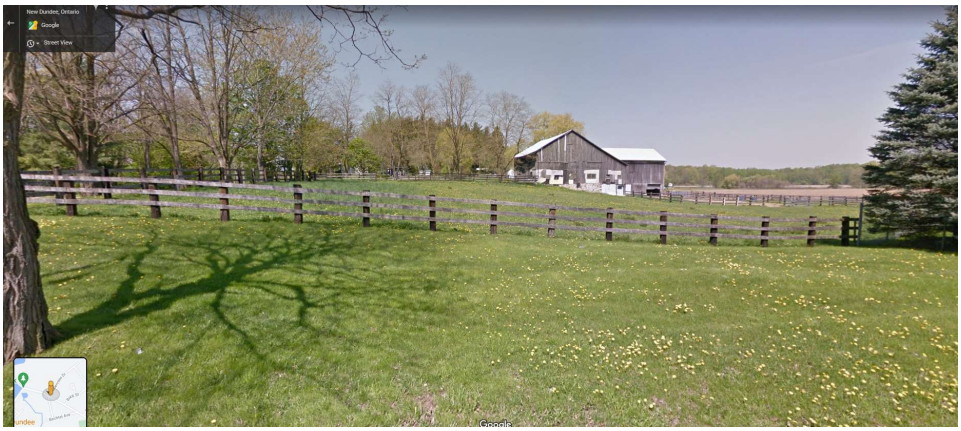
     A local Realtor has often shown photos in advertisements, of people standing at the fence with children looking at the horses, highlighting this as being an attraction of New Dundee.

   - With respect to cultural heritage, although the farmhouse and barn has not been designated as a heritage site, the farmhouse, a Georgian 2 ½ story house at 328 Main St. New Dundee, is one of the first houses built in the village in 1832 [(1)]. This together with the barn and open pastureland form an important cultural aspect to the neighbourhood which will be diminished if a new building at the locations of Layouts 1, 2 or 3 were to proceed.

     (1) taken from https://www.wilmot.ca/en/living-here/resources/Documents/New-Dundee-Walking-Tour.pdf



Photos showing the neighbourhood views:



View from corner of Main St. and Alderview Dr.



View from Alderview Dr. to the left-hand side of the Water Station



View from Alderview Dr. to the right-hand side of the Water Station

3. **Social Criteria affecting the dwelling at [redacted] for Layout 1 and 2:**
    - With regards to the proposed locations for Layout 1 and 2 in the open space between the current wells and pumping station and our dwelling at 1[redacted] adding buildings to these sites will have a highly negative impact by blocking our view of the barn and field where the horses graze.

      We bought this house with the understanding this parcel of land currently owned by Wilmot township was no longer going to be used for a road allowance, and we expected it to remain undeveloped.

      Putting a structure at Layouts 1 or 2 will have a significant negative financial impact to us by reducing the value of our property and making it less attractive to buy if in the future we were to sell.

      Building close to the existing water station will no doubt be financially attractive to the Region of Waterloo as no pipeline will be needed as would be required for Layout 4 or 5. However the financial gain of the Region of Waterloo will be at the expense of our financial loss and our loss of the view and aesthetic features of our property at [redacted]

    - We also have concerns around additional noise generated at the site by the filtration system. We already have a significant amount of noise from the existing operations when the generator turns on or when occasionally additional water is brought in by tanker trucks either very early in the morning or very late at night.

    - Additional concerns exist around snow removal if Layout 1 or 2 is chosen. Currently snow removal at the existing water station usually happens early in the morning with the truck shining its headlights into our side windows and causing noise. Snow removal occurring at Layout 1 or 2 sites will no doubt compound and exasperate this issue.

Photos showing views that will be blocked by Layouts 1 and 2 affecting [redacted]





4. **Technical Criteria – impact to alignment of existing and future land uses:**
   - The current and future land use of Layouts 1, 2 and 3 next to the water station is pastureland whereas the current and future land use of Layouts 4 and 5 is cropland.

     The land use of Layouts 1, 2 and 3 would take away up to approximately one third of the total pastureland at the front corner of Main St. and Alderview Dr. resulting in a major reduction to the size of the pasture and cultural landmark of the town.

     The land usage of Layouts 4 or 5 would be only a tiny fraction of the total cropland area in those fields, resulting in minimal impact.

     Therefore, from a current/future land use comparison, Layouts 1, 2 and 3 have a major disadvantage over Layouts 4 and 5.

   - Layouts 1 and 2 would have a severe impact to the quality and usage of the farm as they encroach almost all the way up to the barn. In fact, to even propose Layouts 1 and 2 encroaching so close to the barn area would seem to be a mistaken concept and a non-viable option to present as part of this study.

5. **Natural Environment Impact Criteria**
   - The current land use of Layouts 1, 2 and 3 next to the water station is pastureland for horses vs. agricultural cropland usage for Layouts 4 and 5. Pastureland provides a higher value and benefit in supporting the ecosystem and natural habitant for wildlife, native birds and species at risk than does cropland, which has rotating row crops planted on a yearly basis.

Therefore, from a natural environment impact, Layouts 1, 2 and 3 have a clear disadvantage over Layouts 4 and 5.

Alternative Suggestions:

1. I would make a proposal to modify Layout 5 at the end of Alderview Dr., to rotate the site 90 degrees, so the narrow end is at the front, facing the end of Alderview Dr. instead of the long side at the front.

   This results in less of an impact to the resident at the end of Alderview Dr. in the corner, so the new building is not directly beside their lot.

   Rotating Layout 5 would also allow for none of the new site to be on the flood plain, whereas now, the corner of both Layout 4 and 5 encroaches onto the flood plain.

2. As there is plenty of room in the field, the site would also benefit by being set back further in the field to have less effects on the neighbouring properties.

Concluding Comments:

1. Layouts 1, 2 and 3 have severe negative social consequences in changing the ascetics and scenic view of the barn and pastureland and will diminish the cultural and farm character aspect of the neighbourhood.

2. Layout 4 is a very poor alternative to Layout 5, as Layout 4 impacts both the side and rear of the property of the last house at the end of the street

3. Rotating Layout 5 as described above and placing it back further back into the field will have the least impact to adjacent neighbouring dwellings and be the least detrimental to the natural habitat. It has the fewest social impacts compared to the suggested alternatives. Therefore, a modified Layout 5 is our preferred location.

Comment Sheet

Contact Information (Optional, but required if you would like a response to your question):

Name/Organization: [redacted]

Address: [redacted]

New Dundee

E-mail: [redacted]

1. Do you have any comments on the evaluation process?

I disagree with the criteria scoring method given, where all four of the criteria areas are scored with equal weighting.

Financial criteria should not necessarily have equal weighting to social criteria. It is difficult to put a price on social impact.

Often the social impact costs will far out weight the extra financial cost that may result from choosing a more expensive option to avoid the problem.

2. Do you have any comments on the recommended treatment approach?

none

3. Do you have any comments on the short-listed options for the location of a new treatment facility?

Yes, see attached pdf file in email containing additional comments.

File: [redacted] Comments -New Dundee Water Project.pdf

4. Do you have any other questions or comments about the study?

Please email the completed forms by June 9, 2021 to:

Regional Municipality of Waterloo
Kaoru Yajima, P.Eng.
Sr. Engineer, Water Services
T: 519-575-4757, Ext. 3349
E: kyajima@regionofwaterloo.ca
F: 519-575-4452

R.V. Anderson Associates Limited
Kirk Worounig, P.Eng., PMP
Project Manager
T: 416-497-8600 Ext 1246
E: kworounig@rvanderson.com
F: 855-833-4022

All comments and information received from individuals, stakeholder groups and agencies regarding this project are being collected under the authority of the "Municipal Act" to assist the Region of Waterloo in making a decision. Under the "Municipal Act", personal information such as name, address, telephone number, and property location that may be included in a submission becomes part of the public record. Questions regarding the collection of this information should be referred to Kaoru Yajima at the Region of Waterloo.

Frank Fei Feng

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: July 19, 2021 3:10 PM
To: '[redacted]'
Cc: Kirk Worounig; Jonathan Rudyk
Subject: your Feedback on New Dundee Water Supply Class EA Project PCC#2
Attachments: New Dundee Water Class EA - TM #2 Evaluation Criteria-FINAL.PDF

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hello [redacted], [redacted],

Thanks once again for submitting comments on the New Dundee Water Supply Class Environmental Assessment project.

Now that the commenting period has closed for the virtual public consultation 2, the project team is reviewing all input received as they move into the next stage of the project. We also wanted to provide a responses to the feedback we received from you, based on information we presently have.

future comment forms

In regards to the form, I again apologize on the format. I have discussed this with the firm assisting with the project and they will be correcting it in the next round, to address the formatting issues.

size of the building

Although the new treatment building still in development, the project team is striving to minimize the size. The project team anticipates the building to be a maximum 20 m by 15 m, and one storey tall, however further detail will be provided in PCC#3

noise and odour on the street

During construction of the facility, there will be increased truck and vehicle traffic. The team will consult their construction experts on strategies to mitigate impacts from construction and report back in the next consultation. The Region will also ensure that construction is only during the times permitted by Wilmot Township. Once the facility is running, any additional noise will be minimized through design.

No odor is anticipated from the future operation of the facility

appearance of the proposed building

The team will take a balanced approach to considering all the factors to supply drinking water to New Dundee, but your comments on the proposed locations are noted. In this regard, in order to better understand the aesthetic appeal we will be approaching the cultural heritage staff at Wilmot Township and Region of Waterloo for their guidance in the next stage of the project.

Also, an architectural rendering will be included as part of the next PCC #3. The architecture of the building will strive to match the existing pastoral aesthetic. A landscape architect will be retained during design to present a suitable landscaping plan for review.

request evaluation criteria and scoring matrix

As requested, please find the attached evaluation memo which provides additional explanation on the criteria that was presented in the slides. The scoring matrix for the all sites will be developed in the next stage of the project and will be provided as part of the next PCC#3.

Your observations about the archaeological potential is noted.

how future decisions will be made with respect to the selection of the preferred location

The flow of the project and how decisions will be made is shown on slide 19 in the presentation slides. We are currently at Public Consultation Center #2 (PCC#2). The team will take the input received in this round use it in the stage of the project. In Public Consultation Center #3 the team will provide more information on the layout and the scoring matrix. The team will take public input again and then prepare its recommended report. The report will be made available for public review which will be approved by Region Council.

Impacts to storm water management

The new site layout must be such that storm water management impacts are mitigated. The layout will ensure that grades are reflective of the surrounding area, and that post-stormwater flows will equal pre-stormwater flows.

Please let me know if you have any further questions.

Regards,
Kaoru Yajima, P.Eng. (he/him)
Transportation and Environmental Services, Water Services
Region of Waterloo
150 Frederick Street, 7th Floor
Kitchener, Ontario, Canada N2G 4J3
tel: 1-519-575-4757 ext.3349
cell: 226-753-0065



From: Kaoru Yajima
Sent: May 25, 2021 11:18 AM
To: '[redacted]'
Cc: kworounig@rvanderson.com; Jonathan Rudyk <JRudyk@rvanderson.com>
Subject: RE: New Dundee Water Supply Municipal Class EA - Iron and Manganese Water Treatment Upgrades - PIC#2 Comment Sheet

Hello [redacted], [redacted],

Thank you for taking time to submit comments on this project.

I also see your point about the comment sheet and appreciate your efforts to get around the technical details. I'll work with our consultant on improving the comment sheet.

We are still early in the project planning stages and have provided what information we have developed to date. The next step is to take all comments received and consider them as part of the step of the study process.

Regarding the archaeological potential, environmental (species at risk), and storm water management, those are valid points and will be investigated further in this project.

Regards,
Kaoru Yajima

From: [redacted]
Sent: May 24, 2021 11:29 AM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>; kworounig@rvanderson.com
Subject: New Dundee Water Supply Municipal Class EA - Iron and Manganese Water Treatment Upgrades - PIC#2 Comment Sheet

Hello,

My husband and I have lived on [redacted] for 34 years, and my husband grew up in New Dundee and we would like to contribute our opinion/comments to on-going study. Please see our attached comments.

I am concerned with the accessibility of the provided Region Comment sheets as when I try and type text they self change text size which makes it hard to view. There is not enough room in the provided sheets to articulate all of my comments but I have tried my best.

We are having a hard time understanding what the impacts of the proposed upgrades will be to our neighbourhood. It is unclear how large the proposed building dimensions will be and what the site layout will consist of. It is hard for us and our neighbours to have an informed opinion on the proposed new expansion without understanding what the impacts will be.

It is also unclear to us how the new processes will impact our street with regards to noise, odor, and building appearance.

Please provide the public with your evaluation criteria and scoring matrix for the selection of the proposed site.

Of note, Browns Farm (the farm and field behind the existing Water Treatment Plant) is one of the first houses in New Dundee. We would like the evaluation to include potential archeological impacts of the proposed site. Another note, is

that over the past 55 years that our family has lived in New Dundee we have found several arrow heads, and pottery pieces in Browns Field. It is commonly understood in the community that the field and area adjacent to Alder Creek was used as a fishing/hunting camp for first nations peoples.

We look forward to hearing from you and seeing this project move forward.

Regards,

[redacted]

Sent from Mail for Windows 10

[redacted]

Comment Sheet

Contact Information (Optional, but required if you would like a response to your question):

Name/Organization: [redacted]

Address: [redacted]

New Dundee, Ontario, N0B2E0

E-mail: [redacted]

1. Do you have any comments on the evaluation process?

(This form setup is lacking, and likely not AODA compliant due to the text size changing on each line). Please provide a more accessible comment form in the future.

Up to this point, we agree with the evaluation process.

We would like more information on how the evaluation for the protential site will be conducted.

It is not clear how future decisions will be made with respect to the selection of the preferred location.

We would like to understand in what context the future site will be evaluated, and the scoring weight given to each criterial (Ie. social, landower imput, costs, etc.)

2. Do you have any comments on the recommended treatment approach?

It is unclear how the two reviewed alternatives for treatment will impact the community with respect to:

-Noise and Odor

-Required building size (height/ Width) (the Browns Barn is a community Icon, and we do not want its view obstructed).

-Impacts to Stormwater Management

Please provide a conceptual treatment facility/ site layout

3. Do you have any comments on the short-listed options for the location of a new treatment facility?

Please provide your scoring matrix and evaluation creiteria for the locations.

Please consider the following during the evaluation:

Arechological Impacts (as the Browns site is one of the first houses in New Dundee)

Native Arechological Impacts - As kids, we would often find Arrow Heads, and pottery in the Browns field. We understand that part of Browns field was used as a Native Camp Site)

4. Do you have any other questions or comments about the study?

(This form setup is lacking, and likely not AODA compliant due to the text size changing on each line). Please provide a more accessible comment form in the future....

- We expect environmental (speices at risk)/ stormwater management/ and arechological considerations to be included in the evlaluation criteria

- We cannot make an informed decision about the preferred location because we do not understand the architecutural impacts of the proposed upgrades to the community.

- Our preferred apporach is to limit impacts to our neighbours property values while maintaining the visual uniquness of the Browns Barn to the neighbourhood.

- We are very interested in obtaining responses to our comments.

Please email the completed forms by June 9, 2021 to:

Regional Municipality of Waterloo
Kaoru Yajima, P.Eng.
Sr. Engineer, Water Services
T: 519-575-4757, Ext. 3349
E: kyajima@regionofwaterloo.ca
F: 519-575-4452

R.V. Anderson Associates Limited
Kirk Worounig, P.Eng., PMP
Project Manager
T: 416-497-8600 Ext 1246
E: kworounig@rvanderson.com
F: 855-833-4022

All comments and information received from individuals, stakeholder groups and agencies regarding this project are being collected under the authority of the "Municipal Act" to assist the Region of Waterloo in making a decision. Under the "Municipal Act", personal information such as name, address, telephone number, and property location that may be included in a submission becomes part of the public record. Questions regarding the collection of this information should be referred to Kaoru Yajima at the Region of Waterloo.

Frank Fei Feng

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: June 2, 2021 8:39 AM
To: '[redacted]'
Cc: Kirk Worounig; Jonathan Rudyk
Subject: RE: New Dundee Water Supply System

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hello [redacted],

It's Kaoru from the Region of Waterloo and project manager for the New Dundee Water Supply Project.

Thank you for participating in the recent round of virtual public consultations and furthermore, taking time to submit comments. Kirk also shared with me your voicemail message to him. They are certainly good points.

We will take them, along with comments from others, into consideration as we move into the next stage of the project.

Regards,
Kaoru Yajima

From: [redacted]<pat.monaghan@hotmail.com>
Sent: May 31, 2021 7:49 AM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Subject: Fwd: New Dundee Water Supply System

Get Outlook for Android

From: [redacted] <[redacted]
Sent: Sunday, May 30, 2021, 8:38 p.m.
To: kyajima@regionofwatdrloo.ca; kworounig@rvanderson.com
Subject: New Dundee Water Supply System

Thanks for the information and the video...my request is to leave the pumping station where is at and do the modifications along with the land acquisitions..everyone is use to the pumping station being there and has easy access off Main St. Also l don't think we need the truck travel down Alderview Drive and the construction as there's a lot of young children that play in and off the street. I've lived in the village for almost 40 yrs and the best way to go is the simplest way that is the least disruptive to everyone and safest for Alderview Drive and that would be to do the modifications and additions at the existing location...thanks for taking the time to read this and hopefully my recommendations are what are the final decisions...[redacted]e New Dundee ..[redacted]

Get Outlook for Android

Frank Fei Feng

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: June 4, 2021 1:41 PM
To: '[redacted]'
Cc: '[redacted]'; Kirk Worounig; Jonathan Rudyk
Subject: RE: New Dundee Well Project [redacted] comment

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate before Replying or Clicking on any links

Hello [redacted],

I appreciate you following up with your comments. They are much appreciated.

Kirk, the team and myself will be reviewing them and incorporating them as we move into the next stage of the project.

On the point of more information, I am totally with you that we need to supply more details and they will be forthcoming. The Class Environmental Assessment process is a step-by-step planning process and so we have shared our preliminary thoughts developed to date.

Looking forward to continued communications with you on the project.

Regards,
Kaoru

-----Original Message-----
From: [redacted] <nbirss@connect.uwaterloo.ca>
Sent: June 4, 2021 11:25 AM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>; kworounig@rvanderson.com; 'Jonathan Rudyk' <JRudyk@rvanderson.com>
Cc: '[redacted]' [redacted]
Subject: Re: New Dundee Well Project [redacted] comment

June 4, 2021

Kaoru Yajima, Sr. Engineer, Water Services, Region of Waterloo; Kirk Worounig, Consultant Project Mgr R.V. Anderson Associates Ltd. Toronto Jonathan Rudy, R.V. Anderson Associates Ltd. Toronto

Hello Kaoru, Kirk and Johathan,

I hereby submit my comments regarding the New Dundee Water Supply Upgrade Project. I didn't know if it would fit in the survey space so am sending it as a PDF attachment.

Neighbourhood residents look forward to working with you all in a positive manner and we look forward to more detailed information and public consultation....hopefully when we can all gather even outdoors.

Regards,
[redacted]
[redacted] New Dundee

On 2021-05-17 8:20 AM, Kaoru Yajima wrote:
> Hello [redacted],
>
> The format for receiving comments is flexible so yes, you can submit your comments in an email directly.
>
> Alternatively, there is also a comment sheet that you can download from the project website:
>
> https://www.regionofwaterloo.ca/en/living-here/resources/Documents/wat
> er/projects/water/WS2021MayCommentSheetVirtualPCC2NewDundeeWaterSupply
> IronAndManganeseWaterTreatmentAndUpgradesMunicipalClassEA-DOCS3651275.
> PDF
>
> When you submit please add the two cc'd, Jonathan and Kirk who are assisting with the project.
>
> I look forward to receiving your comments, and thanks for your
> continued interest in the project, Kaoru
>
> -----Original Message-----
> From: [redacted]
> Sent: May 16, 2021 5:22 PM
> To: Kaoru Yajima <KYajima@regionofwaterloo.ca>;
> kworounig@rvanderson.com
> Subject: New Dundee Well Project
>
> May 15, 2021
>
> Hello Kaoru and Kirk,
>
> Thank you for sharing the information about the New Dundee (and other) well water improvement projects.
>
> I do have a few comments and concerns and am not sure whether to express them to you via email or is there some other public process whereby persons and nearby houses that would be affected by the well and proposed sites will have an opportunity to either read or hear everyone's comments and concerns.
>
> I appreciate your guidance on how to move forward with sharing our concerns at this time.
>
> Many thanks
>
> [redacted]
>
> [redacted]
>
> New Dundee
>

New Dundee Well Water Upgrade Project
Comment June 4, 2021
[redacted] [redacted] (corner Alderview), New Dundee [redacted]

Thank you for the opportunity to comment on the New Dundee well project.
I do have many concerns and although residents are asked for their concerns and opinions, there is much that we don't know. We are asked to comment not knowing how big this 'facility' will be, what size of trucks are likely to visit our street and how often and what time of day or night.

The current 5 options will affect some or all residents on Aldrview and surrounding neighbourhood. I live at the corner of [redacted], options 1,2,3 will impact my side and backyard view of the rural Brown's farm property. Six years ago I built a sunroom addition on the back of my house with many windows and specifically had windows facing the farm property where options 1,2 and 3 would impact my view and my backyard view and that of my neighbours. I believe this would decrease my and other property values long term.

I also fear that this project, which none of us in the neighbourhood really wants, will pit neighbour against neighbour. Option 5 is the option that will be the least intrusive in the neighbourhood as it could be located at the end of the dead end street into the adjoining field. A turn-around area for trucks could be built and the facility placed far enough back with a fence or hedge around it to make it more esthetically acceptable. Another neighbour suggested a totally different site west of town out the west end of Bridge St….on a hill…so that a tower and pressure system could be built…or to the east off Bridge St. east of town. Start thinking 'outside the box' to locations that do not intrude on the esthetics of this pastoral village.

It is paramount that the project organizers take into account the neighbourhood and the whole village - - the reason why people have moved here and have lived long-term in this quiet rural town. (I have lived in this community over 38 years and at this location over 22 years). The Brown farmhouse was the first house in New Dundee, built around 1828 I believe. We are so fortunate to have this farm property right in the centre of our village. How many towns can boast about a farm right in the middle of town with a horse that is a local resident attraction several times a day for all ages including babies in strollers. The view of many homes on Alderview looks onto the farm property and the fields, flats and lake beyond. It is beautiful! Don't destroy this bucolic town and neighbourhood by erecting something that will be a blight on the neighbourhood and the environment. Every person walking or driving Main Street in New Dundee would potentially be subjected to viewing this scar in a residential neighbourhood.

We look forward to the least disruption as possible and we look forward to your utmost cooperation with the residents here. Please provide more of a profile of what impact the 'edifice' of this well project and the increased traffic will be on the people who live here. Thank you.

Frank Fei Feng

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: July 19, 2021 3:12 PM
To: '[redacted]'
Cc: Kirk Worounig; Jonathan Rudyk
Subject: your Feedback on New Dundee Water Supply Class EA Project PCC#2

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hello [redacted],

Thanks once again for submitting comments on the project.

Now that the commenting period has closed for the virtual public consultation 2, the project team is reviewing all input received as they move into the next stage of the project. We also wanted to provide responses to the feedback we received from you, based on information we presently have.

comments on the evaluation process

At this stage of the project, the evaluation contained in the slides presented were for 1) an evaluation of the treatment process and 2) the residuals management process only.

In the next stage of the study, an evaluation of the location will be made, therefore you are correct in indicating there has not been any evaluation of the locations yet. The team will proceed with further details of the treatment facility and will present them in the next round of consultation.

recommended treatment approach

The second question on our sheet was regarding the project team's approach to treatment but it appears your comments are in reference to the potential locations presented and whether there are other possible locations.

Our engineering consultant has developed alternatives which are in line with good water supply engineering practice as presented in the video narration and slide package. Nevertheless, we encourage your feedback including any other alternatives for consideration as part of the Municipal Class Environmental Assessment process we are following.

options for the potential location of a new treatment facility

At this point, the team recognizes that each of the five locations presented has its advantages and disadvantages and does not have a preferred location. The team will take a balanced approach to

considering all the factors to supply drinking water to New Dundee, taking your feedback along with others we receive into consideration.

We know that the size is an issue for nearby residents and therefore, the project team is striving to minimize the size. The results and an architectural rendering will be shown in the next round of consultation.

Also, in order to better understand the aesthetic appeal we will be approaching the cultural heritage staff at Wilmot Township and Region of Waterloo for their guidance in the next stage of the project.

These are the responses I can provide based on your feedback but if you have any further questions, please let me know.

Sincerely yours,

Kaoru Yajima, P.Eng. (he/him)
Transportation and Environmental Services, Water Services
Region of Waterloo
150 Frederick Street, 7th Floor
Kitchener, Ontario, Canada N2G 4J3
tel: 1-519-575-4757 ext.3349
cell: 226-753-0065



From: Kaoru Yajima
Sent: June 7, 2021 9:21 AM
To: '[redacted]' [redacted]
Cc: Kirk Worounig <kworounig@RVAnderson.com>; 'Jonathan Rudyk' <JRudyk@rvanderson.com>
Subject: RE: New Dundee Water Treatment Plan

Hello [redacted],

Thanks for taking time to submit comments.

We do appreciate the feedback and they will be taken into consideration as part of the project.

Regards,
Kaoru

From: [redacted]
Sent: June 4, 2021 3:47 PM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Cc: Kirk Worounig <kworounig@RVAnderson.com>; 'Jonathan Rudyk' <JRudyk@rvanderson.com>
Subject: RE: New Dundee Water Treatment Plan

Thank you for directing me.

Please see attached for my opinions.

[redacted]

Please consider the environment before printing this email.

From: Kaoru Yajima [mailto:KYajima@regionofwaterloo.ca]
Sent: June 2, 2021 9:35 AM
To: [redacted]
Cc: Kirk Worounig <kworounig@RVAnderson.com>; 'Jonathan Rudyk' <JRudyk@rvanderson.com>
Subject: RE: New Dundee Water Treatment Plan

Good Morning [redacted],

Thanks for reaching out.

It's Kaoru and I am the Region of Waterloo's project manager for the New Dundee Water Supply Class Environmental Assessment project.

I'm sorry you didn't receive the project notifications. The team checked their records and it showed that a notice was sent to the address indicated via snail mail but something must have went amiss. What I propose we do is put your email address on our electronic notification list so that you receive future notices. Let me know if that is ok with you.

As for the project itself, we are still at the planning stages and are currently in our second of three rounds of public consultation. We are taking a step-by-step approach under the Class environmental assessment process to evaluate what upgrades are needed for the New Dundee water treatment plant, allowing the public to provide input along the way.

Due to the pandemic, we are conducting virtual public consultations and putting them on our YouTube. The links to the first and the current consultation is here:

Public Consultation Center #1

Public Consultation Center #2

Once you review the material you are encouraged to send us any comments and they will be taken into consideration as we move into the next stage of the project.

Regards,
Kaoru Yajima

From: [redacted]
Sent: June 2, 2021 8:52 AM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Subject: New Dundee Water Treatment Plan

Good Morning,

I'd like some information about the proposed plan for the Water Treatment in New Dundee.
As a resident, I had not heard much of anything until my neighbour brought it to my attention.
Can some information be sent to myself. I live at [redacted]

Thanks,

[redacted]

K-W Glass Systems Inc.
Ph 519 725 9305
Fx 519 725 1556

Please consider the environment before printing this email.

Comment Sheet

Contact Information (Optional, but required if you would like a response to your question):

Name/Organization: [redacted]

Address: [redacted]

New Dundee, ON N0B 2E0

E-mail: [redacted]

1. Do you have any comments on the evaluation process?

I don't feel like there was much of one

2. Do you have any comments on the recommended treatment approach?

I feel like the two options that you have provided are not the most viable options however, you have presented him to be the most viable options and that makes me untrusting. The two options are two entirely opposite spectrums and it's obvious you have a preference and are choosing the best way to get your first choice, by using scare tactics to those who are listening and paying attention

3. Do you have any comments on the short-listed options for the location of a new treatment facility?

Truly, the only real option is the "yellow" spot on the map. The three options on the corner of Alderview & Main would put an eyesore on the middle of town, on one of the main drags. New Dundee is a special place, and it has kept it's charm for longer than I've lived there, andI have been in New Dundee my entire life. (33 years). If you have to do something, do not place it in the centre of town, effecting many home values and a founding family's property.

4. Do you have any other questions or comments about the study?

Continuing to the above. The "black" option on the map would greatly effect the two homes, with a random drive-way seperating their homes. New Dundee homes do not require fences, but by adding that lane way, those homes would now require one. It's clear you, neither of you have visited New Dundee, or spent time with the people of New Dundee, or you would know there are better options all together. New Dundee is special, not just because we think so, but because of it's location and it's true "small town" esthetic, don't take that away from us.

Please email the completed forms by June 9, 2021 to:

Regional Municipality of Waterloo
Kaoru Yajima, P.Eng.
Sr. Engineer, Water Services
T: 519-575-4757, Ext. 3349
E: kyajima@regionofwaterloo.ca
F: 519-575-4452

R.V. Anderson Associates Limited
Kirk Worounig, P.Eng., PMP
Project Manager
T: 416-497-8600 Ext 1246
E: kworounig@rvanderson.com
F: 855-833-4022

All comments and information received from individuals, stakeholder groups and agencies regarding this project are being collected under the authority of the "Municipal Act" to assist the Region of Waterloo in making a decision. Under the "Municipal Act", personal information such as name, address, telephone number, and property location that may be included in a submission becomes part of the public record. Questions regarding the collection of this information should be referred to Kaoru Yajima at the Region of Waterloo.

Frank Fei Feng

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: July 19, 2021 3:13 PM
To: '[redacted]'
Cc: Kirk Worounig; Jonathan Rudyk
Subject: your Feedback on New Dundee Water Supply Class EA Project PCC#2

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hello [redacted]

Thanks once again for submitting comments on the project.

Now that the commenting period has closed for the virtual public consultation 2, the project team is reviewing all input received as they move into the next stage of the project. We also wanted to provide a responses to the feedback we received from you, based on information we presently have.

comment on aesthetic objective of drinking water

Drinking water quality standards and aesthetic objectives are regulated by the Ministry of Environment, Conservation and Parks of the Ontario government. The water supplied from the New Dundee Water Treatment Plant satisfies all current drinking water quality standards and objectives.

As mentioned in slide 7 of our first public consultation, the Province is contemplating a reduction of the manganese aesthetic objective (AO) from the current 0.05mg/l to 0.02 mg/l based on Health Canada recommendations. The levels of manganese at New Dundee meet the current AO but would be above the proposed AO. Thus the Region is taking proactive steps to be able to meet the new AO once it changes. This is being done for three other Region drinking water facilities in a similar situation.

comment on location of current facility

As we are still in the planning stages, the project team will continue to consider all alternatives as we move into the next stage of work. The team will take a balanced approach to considering all the factors to supply drinking water to New Dundee, but your preference to locate the new treatment building away from the existing location is noted. In this regard, in order to better understand the aesthetic appeal we will be approaching the cultural heritage staff at Wilmot Township and Region of Waterloo for their guidance in the next stage of the project.

In any of the potential locations, the building itself will have a façade that effectively aligns with the architectural features in New Dundee and the local neighbourhood. An architectural rendering will be shown in PCC #3.

comment on impact from construction and noise

During construction of the facility, there will be increased truck and vehicle traffic and there will be noise associated with any of the potential locations. The team will consult their construction experts on strategies to mitigate impacts from construction and report back in the next consultation. The Region will also ensure that construction is only during the times permitted by Wilmot Township.

Once the facility is running, any additional noise from the treatment process will be minimized through design.

For the periodic residuals removal, based on our experience at our existing, similarly sized water facilities for iron and manganese removal (in Rosewood, Foxboro Green, Heidelberg, St. Clements to name a few), a vacuum truck will be on site typically a maximum of once a month to remove solids. There will be truck noise associated with the removal which takes roughly one hour. Therefore this operation will be coordinated to occur during weekday business hours only.

Please let me know if you have any further questions.

Sincerely yours,

Kaoru Yajima, P.Eng. (he/him)
Transportation and Environmental Services, Water Services
Region of Waterloo
150 Frederick Street, 7th Floor
Kitchener, Ontario, Canada N2G 4J3
tel: 1-519-575-4757 ext.3349
cell: 226-753-0065



From: Kaoru Yajima
Sent: June 8, 2021 8:53 AM
To: '[redacted]' [redacted]
Cc: Kirk Worounig <kworounig@RVAnderson.com>; 'Jonathan Rudyk' <JRudyk@rvanderson.com>
Subject: RE: Input regarding New Dundee Well Improvement

Hello [redacted],

Thank you for taking time to submit comments on the project. I acknowledge receipt of the comment sheet and they will be shared with the project team as we move into the next stage of the project.

Regards,
Kaoru Yajima

From: [redacted]<sandrakomo@yahoo.com>
Sent: June 7, 2021 11:07 PM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>; kworounig@regionofwaterloo.ca
Subject: Input regarding New Dundee Well Improvement

I filled out the survey and have attached it below. There was no submit button on the survey and so I saved it and attached the form. Please email me to let me know you received my email and that you are able to access the file. This issue is very important to me and I would like my voice heard. I am directly across from the well and due to past experiences with construction on the well, this "improvement project" will not improve my community. It will in actuality have a negative impact.

Thank you
[redacted]

Sent from Yahoo Mail on Android

Comment Sheet

Contact Information (Optional, but required if you would like a response to your question):

Name/Organization: Resident at [redacted]

Address: [redacted]

New Dundee

E-mail: [redacted]

1. Do you have any comments on the evaluation process?

Our preference is not to add any additional footprint to the existing site and not add to the current building.. The do nothing option should be considered.

This is an aesthetic objective that is not mandated in the province at this time. This is not a health based criteria.

If the do nothing option is not part of the evaluation then a separate location should be considered away from the current site. The site has a small footprint and enlarging that footprint would impact us as residents. The cuurent site is an eye sore and expanding it would not only impact our p

Additional impacts will include construction and traffic noise across from our property. This has occurred previously with different upgrades / renovations and we have had difficulty with trucks parked near our driveway, noise and wildlife including skunks and raccoons that have been disturb

Please consider protecting the unique cultural heritage and environmental features of the current site by not expanding in this area

2. Do you have any comments on the recommended treatment approach?

Not sure it is really necessary to treat for this because of an aesthetic objective. Not a health based objective and the aesthetic is not mandated in Ontario at this time.

Having said that the approach should minimize any impact to residents. Unfortunately the current location has a small footprint and we request that it not be expanded as outlined above in comments on evaluation criteria due to unique and culturally and environmental factors of the current

We have concerns with regular truck haulage of solids and the impacts to us as residents living across the street. Impacts include noise, parking interruption on the site that is a major disturbance.

3. Do you have any comments on the short-listed options for the location of a new treatment facility?

Please do not add to the site across the street from us for all the reasons already listed. We are located at 153 Alderview Dr. and have experienced other upgrades/ enhancements that have impacted us and have identified in our other comments above

The site across the street from us has a major appeal to the town and in terms of the social criteria impacts any new building and renovations should not be expanded in this site area.

Protect the unique natural environmental and culturally sensitive area across from 153 Alderview Drive. Please do not expand in this site area

4. Do you have any other questions or comments about the study?

Please contact me directly by email - [redacted]

Please confirm that you received our comments and we would be glad to provide and additional clarification if you have questions about our comments

My name is [redacted]

Please email the completed forms by June 9, 2021 to:

Regional Municipality of Waterloo
Kaoru Yajima, P.Eng.
Sr. Engineer, Water Services
T: 519-575-4757, Ext. 3349
E: kyajima@regionofwaterloo.ca
F: 519-575-4452

R.V. Anderson Associates Limited
Kirk Worounig, P.Eng., PMP
Project Manager
T: 416-497-8600 Ext 1246
E: kworounig@rvanderson.com
F: 855-833-4022

All comments and information received from individuals, stakeholder groups and agencies regarding this project are being collected under the authority of the "Municipal Act" to assist the Region of Waterloo in making a decision. Under the "Municipal Act", personal information such as name, address, telephone number, and property location that may be included in a submission becomes part of the public record. Questions regarding the collection of this information should be referred to Kaoru Yajima at the Region of Waterloo.

Frank Fei Feng

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: June 15, 2021 2:24 PM
To: 'Trevor Heywood'
Cc: Kirk Worounig; Jonathan Rudyk
Subject: RE: New Dundee Water Supply Treatment Upgrades - PCC 2

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hello Trevor,

Thanks for the GRCA's time to look at the PCC materials.

The team will be taking the comments into consideration and may be in contact if we have further questions.

Regards,
Kaoru

From: Trevor Heywood <theywood@grandriver.ca>
Sent: June 15, 2021 12:34 PM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>; Kirk Worounig <kworounig@rvanderson.com>
Subject: New Dundee Water Supply Treatment Upgrades - PCC 2

Hi Kaoru, Kirk,

Please see our comments based on a review of PCC 2 materials for the above-noted Class EA. Please let me know if you have any other questions.

Regards,

Trevor Heywood
Resource Planner
Grand River Conservation Authority
519-621-2763 x2292 | theywood@grandriver.ca

Administration Centre: 400 Clyde Road, P.O. Box 729 Cambridge, ON N1R 5W6

Phone: 519-621-2761 Toll free: 1-866-900-4722 Fax: 519-621-4844 www.grandriver.ca

June 15, 2021

Kaoru Yajima
Senior Engineer, Region of Waterloo
150 Frederick Street
Kitchener ON N2G 4J3
kyajima@regionofwaterloo.ca

Re: Municipal Class Environmental Assessment – New Dundee Water Supply Treatment Upgrades
Alderview Drive, New Dundee
Township of Wilmot

Dear Mr. Yajima,

The Grand River Conservation Authority (GRCA) has received the Public Consultation Centre 2 materials for the above-noted Class Environmental Assessment (Class EA).

The GRCA has no concerns with the proposed treatment or residual management alternatives. Development of a proposed new treatment site will potentially impact features of interest to the GRCA, namely the floodplain associated with Alder Creek and the New Dundee Reservoir.

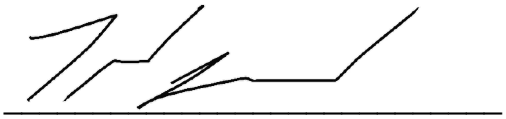
Based on information currently available at this office, the Regulatory Floodplain Elevation (RFE) in the vicinity of the short-listed facility locations is 319.9 m (CGVD 2013), and may affect Layouts 1, 2, 4 and 5. During detailed design, the extent of the regulatory floodplain can be refined through topographical surveys if required.

GRCA Policy 8.1.15 permits public infrastructure in the floodplain if there is no feasible alternative site outside the flooding hazard, as long as no grading is proposed in the floodplain, and steps are taken to protect the facility from floodwaters. Based on initial information, we don't anticipate this to be a significant barrier for any of the facility locations, but it may impact the layout and design of the site.

Please keep the GRCA on the Class EA mailing list, and we would appreciate the opportunity to comment on the preliminary selected facility location. If you have any

questions or require additional information, please contact me at 519-621-2763 ext. 2292 or theywood@grandriver.ca.

Sincerely,



Trevor Heywood
Resource Planner
Grand River Conservation Authority

Attachment

c.c. Kirk Worounig, R.V. Anderson Associates



Grand River Conservation Authority

Date: Jun 15, 2021
Author: TH

New Dundee Water Supply Treatment Upgrades

Legend

- Regulation Limit (GRCA)
- Regulated Watercourse (GRCA)
- Regulated Waterbody (GRCA)
- Wetland (GRCA)
- Floodplain (GRCA)
  - Engineered
  - Estimated
  - Approximate
  - Special Policy Area
- Slope Valley (GRCA)
  - Steep
  - Oversteep
  - Steep
- Slope Erosion (GRCA)
  - Oversteep
  - Toe
- Lake Erie Flood (GRCA)
- Lake Erie Shoreline Reach (GRCA)
- Lake Erie Dynamic Beach (GRCA)
- Lake Erie Erosion (GRCA)
- Parcel - Assessment (MPAC/MNRF)

This legend is static and may not fully reflect the layers shown on the map. The text of Ontario Regulation 150/06 supercedes the mapping as represented by these layers.

Copyright Grand River Conservation Authority, 2021.
Disclaimer: This map is for illustrative purposes only. Information contained herein is not a substitute for professional review or a site survey and is subject to change without notice. The Grand River Conservation Authority takes no responsibility for, nor guarantees, the accuracy of the information contained on this map. Any interpretations or conclusions drawn from this map are the sole responsibility of the user.
The source for each data layer is shown in parentheses in the map legend. For a complete listing of sources and citations go to: https://maps.grandriver.ca/Sources-and-Citations.pdf

0 12.5 25 50 75 Metres

N

Map Centre (UTM NAD83 z17): 538,008.12 4,800,254.78

This map is not to be used for navigation | 2018 Ortho (RMOW)

NAD 1983 UTM Zone 17N

Scale: 2,349

Frank Fei Feng

Subject: FW: Ministry of the Attorney General Response: M-2021-12173

From: Ministry of the Attorney General <attorneygeneral@ontario.ca>
Sent: August 19, 2021 8:15 AM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Subject: Ministry of the Attorney General Response: M-2021-12173

Our Reference #: M-2021-12173

Thank you for your fax to the Ontario Attorney General's office regarding a virtual public consultation centre for the New Dundee Water Supply System.

We understand you are writing about a matter that is very important to you. However, we hope you will understand that the matters you have raised do not fall under the jurisdiction of this ministry. The matters you have raised fall under the jurisdiction of the Ministry of the Environment, Conservation and Parks (MECP). You may wish to contact MECP at:

https://www.ontario.ca/feedback/contact-us?id=26985&nid=72714.

Thank you again for writing.

Ministry of the Attorney General
www.ontario.ca/attorneygeneral

This email is intended solely for the recipient. If you have received or opened it in error please contact us at attorneygeneral@ontario.ca

Appendix F-6

Public Consultation Centre #3 Notice, Advertisements, Materials, and Correspondence

R.V. Anderson Associates Limited
2001 Sheppard Avenue East Suite 300
Toronto Ontario M2J 4Z8 Canada
Tel 416 497 8600 Fax 855 833 4022
www.rvanderson.com

Date RVA 194591

Addressee
Street Address
City, Province
Postal Code

Dear Sir/Madam:

Re: Notice of Virtual Public Consultation Centre #3
Video Uploaded February 8, 2022, to YouTube and Region of Waterloo Website
New Dundee Water Supply System – Iron and Manganese Treatment Upgrades
Schedule 'C' Class Environmental Assessment

Please see enclosed the Notice of Virtual Public Consultation Centre #3 for the New Dundee Water Supply System – Iron and Manganese Treatment Upgrades Municipal Class Environmental Assessment (Class EA). The Regional Municipality of Waterloo is undertaking this Class EA to identify a preferred approach for iron and manganese treatment.

If you would like more information about the New Dundee Water Supply System – Iron and Manganese Treatment Upgrades or would prefer to be removed from the study's contact list, please contact the undersigned.

Kaoru Yajima, P.Eng.
Sr. Engineer, Water Services
Region of Waterloo
150 Frederick Street, 7th Floor
Kitchener, ON N2G 4J3

Phone: 519-575-4757 ext. 3349
Email: kyajima@regionofwaterloo.ca

Kirk Worounig, P.Eng., PMP
Consultant Project Manager
R.V. Anderson Associates Limited
2001 Sheppard Avenue East, Suite 300
Toronto, ON M2J 4Z8

Phone: 416-497-8600 ext. 1246
Email: kworounig@rvanderson.com

Encls.
Notice of Virtual Public Consultation Centre #3

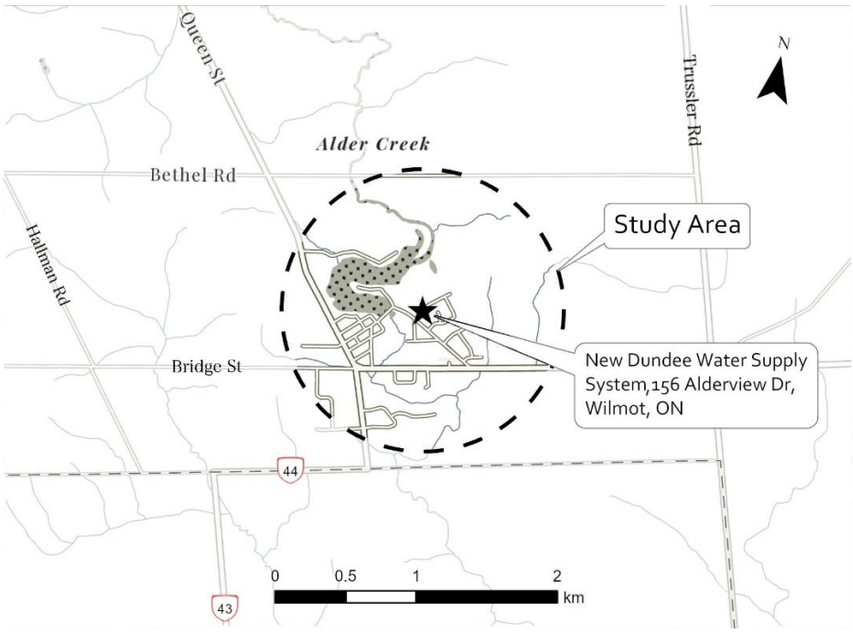
CANADA'S BEST MANAGED COMPANIES
Platinum member

Notice of Virtual Public Consultation Centre #3
New Dundee Water Supply – Iron and Manganese Water Treatment Upgrades
Municipal Class Environmental Assessment

The Region of Waterloo initiated a Municipal Class Environmental Assessment (EA) Study for iron and manganese treatment upgrades for the New Dundee Water Supply System. The New Dundee Water Supply System is located at 156 Alderview Road in the Town of New Dundee, in the Township of Wilmot. The Study will review and provide recommendations related to iron and manganese treatment upgrades based on current industry standards and new technologies, as well as the location of potential upgrades.

How is this Study being undertaken?

This Study is being undertaken as a Schedule 'C' project in accordance with the requirements of the Municipal Class Environmental Assessment (October 2000, as amended in 2007, 2011 and 2015), which is an approved process under the Ontario Environmental Assessment Act.



How can I participate in this Study?

Three Public Consultation Centres (PCCs) are to be held as part of this study. This third PCC will be a virtual one and will be held to build on the previous two PCCs and obtain comments on the potential facility locations, the evaluation process for selecting a preferred location, and next steps.

On February 8, 2022, we invite you to follow this link: **https://www.regionofwaterloo.ca/CurrentWaterProjects/** and view a video narration of the presentation on the Region's website or on YouTube. The slides and a transcript are available for download on the Region's website as well, and you may also fill out a Comments Form on the website for submittal to the Project Team. Please submit any comments you may have by March 9, 2022.

If you would like more information on the Study, would like to be removed from the contact list, have any questions about the study, or would like physical copies of the slides, transcript, or Comments Form, please contact either:

Kaoru Yajima, P.Eng.
Sr. Engineer, Water Services
Region of Waterloo
Phone: 519-575-4757 ext. 3349

Email: **kyajima@regionofwaterloo.ca**

Kirk Worounig, P.Eng., PMP
Project Manager
R.V. Anderson Associates Limited
Phone: 416-497-8600 ext. 1246

Email: **kworounig@rvanderson.com**

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New Dundee Water Supply – Iron and Manganese Treatment Upgrades

Schedule "C" Class Environmental Assessment

Virtual Public
Consultation Centre #3

Region of Waterloo

File Uploaded on February 8, 2022 to the Region of Waterloo's website and YouTube Page

Welcome and thank you for watching!

What are the goals of our virtual Public Consultation Centre (PCC)?

- Share how we are improving service to the community.
- Review community and partner feedback from PCC #1 and #2.
- Present treatment facility location requirements and potential locations.
- Evaluate facility locations and select a preferred alternative.
- Answer any questions you may have and provide an opportunity to get involved in the project.

Comments received during this study will be used to confirm the recommended approach for the New Dundee water supply iron and manganese treatment upgrades.

Project Overview

The project follows the Municipal Class Environmental Assessment process (Class EA) to plan the New Dundee water supply system treatment upgrades for iron and manganese.

Why are we doing it?

We are taking a proactive approach to ensure that we can improve service to the community for the present and future. Lower aesthetic drinking water objectives for manganese are expected in the near future.

What does it mean for you?

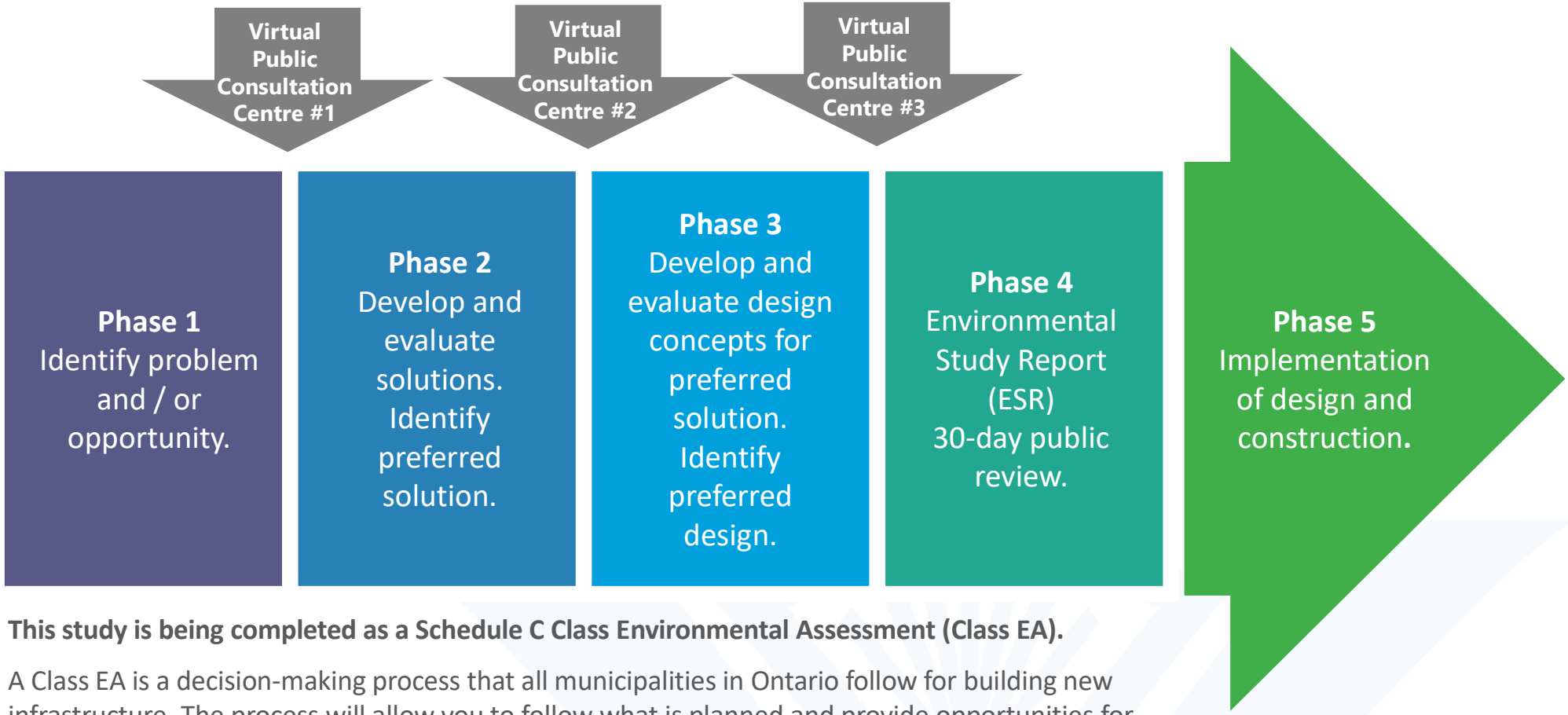
These upgrades will require a new building for the treatment equipment. To accommodate the building, it is expected that additional property will be required either at the Region's existing water supply site or at a new site.

There will be no change to the amount of water being taken from the New Dundee water supply wells.



Municipal Class Environmental Assessment Process

We are here



This study is being completed as a Schedule C Class Environmental Assessment (Class EA).

A Class EA is a decision-making process that all municipalities in Ontario follow for building new infrastructure. The process will allow you to follow what is planned and provide opportunities for you to ask questions and provide input.

PCC #1 Review

Presented to the public on June 18, 2020

What was shared?

- ✓ Introduced the New Dundee water supply system.
- ✓ Described iron and manganese, and its presence in the New Dundee water supply; as well as its effect on drinking water systems.
- ✓ Summarized the Class Environmental Assessment (EA) process.
- ✓ Discussed background studies to be completed for this project.
- ✓ Presented the project timeline and next steps.

What did we learn from your feedback?

- ✓ Desire to keep any possible future building size to a minimum.
- ✓ Some stakeholders requested more information about manganese in drinking water systems.

Want to learn more?

A video of PCC #1 can be found here:
https://www.youtube.com/watch?v=JNp-FT7g5i0&t=1s&ab_channel=RegionofWaterloo

PCC #2 Review

Presented to the public on May 11, 2021

What was shared?

- ✓ Introduced treatment and residual management technologies for iron and manganese removal.
- ✓ Provided evaluation criteria to compare the different technologies.
- ✓ Selected conventional oxidation and filtration as the preferred treatment, with a backwash equalization tank and supernatant recycle as the preferred residual management.
- ✓ Presented five possible locations for the new facility.

What did we learn from your feedback?

- ✓ Desire to minimize truck hauling activity and reduce impacts such as noise.
- ✓ Opinions varied on which of the five locations was preferred for the new location.
- ✓ Building should positively reflect the aesthetic appeal of the neighbourhood and should not diminish views of the existing farm features.
- ✓ Desire for designers to minimize footprint of building.

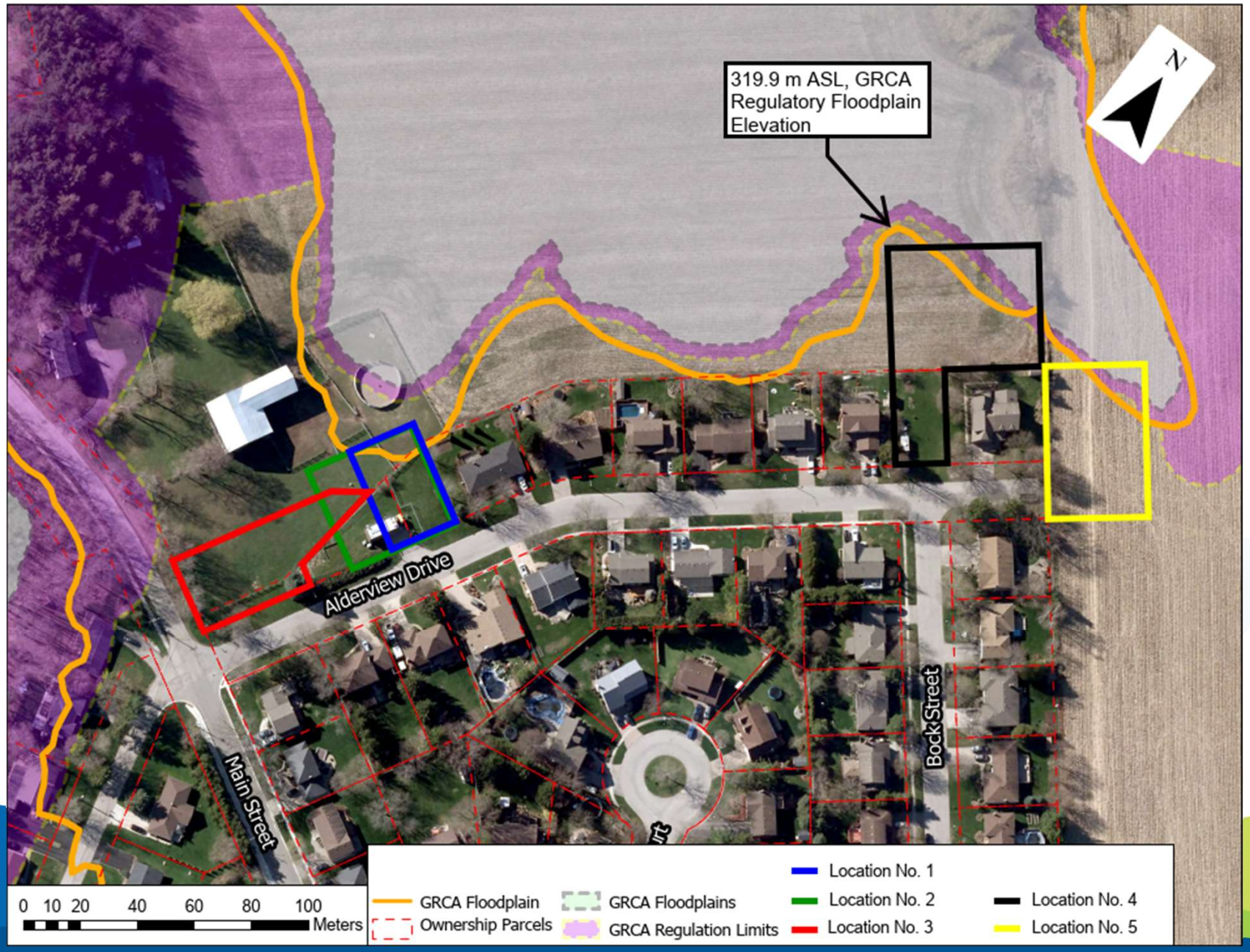
Want to learn more?

A video of PCC #2 can be found here:
https://www.youtube.com/watch?v=UUcMmFqYpDg&t=18s&ab_channel=RegionofWaterloo

New Dundee water supply system – iron and manganese treatment upgrades

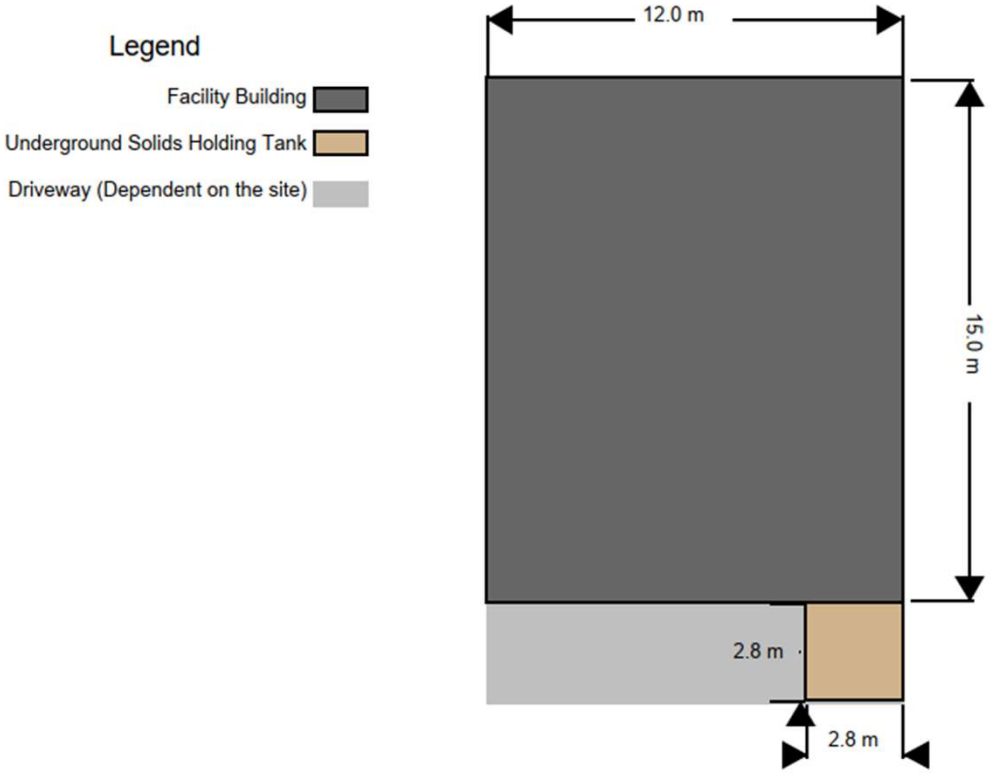
Potential Facility Location Alternatives

(presented to public in PCC#2)



Preliminary Facility Sizing

Based on the preferred treatment and residual management approach, an approximate building layout was determined. The new site should have space for adequate property set-backs, driveway, parking, and landscaping. Based on PCC #1 and 2 feedback, a water needs assessment was conducted to minimize the facility footprint, resulting in a 32% building size reduction.



The proposed facility will contain the following:

- A room that will house the filters, pumps, and process piping
- An electrical room
- A chemical room
- Underground tankage for the treatment and residual process

This sketch shows approximate sizing of the facility.

The facility is shown in each of the five locations on the next slide.

Potential Facility Layouts for Each Location

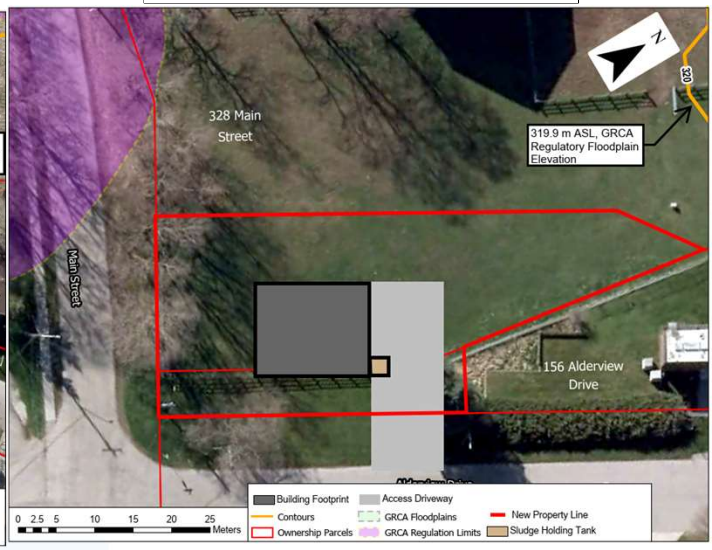
Location Alternative No. 1



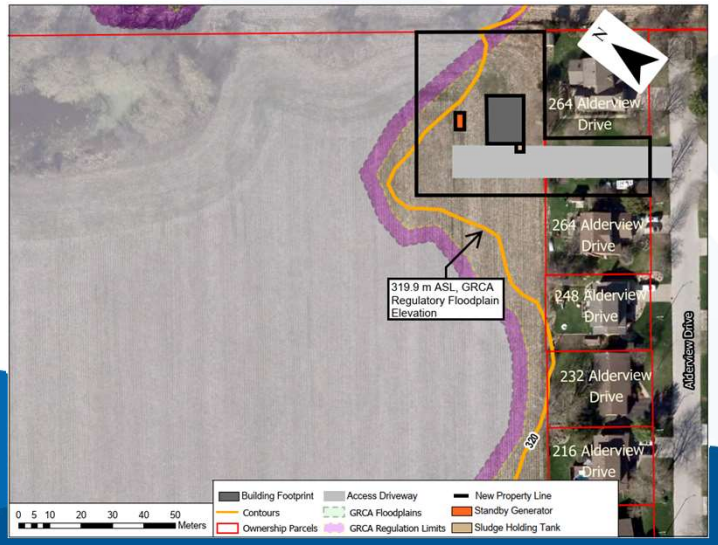
Location Alternative No. 2



Location Alternative No. 3



Location Alternative No. 4



Location Alternative No. 5



Pre-Screening of Location Alternatives

Two location alternatives will not proceed to detailed evaluation because they do not meet project objectives, come with a prohibitive cost, provide construction challenges and operational difficulties and would increase traffic along Alderview Drive.

Location Alternatives 4 and 5

- Over 200 m from the existing well site.
- Results in a remote treatment site, adding operational and maintenance complexities. Would increase operation traffic along Alderview Drive.
- Excessive underground utility construction along Alderview Drive.
- Requires new emergency standby power, hydro power, telecommunication connections, and storm sewer connections.

Result



Location alternatives 4 and 5 will not be considered for detailed evaluation.

Archaeological Assessments

Each of the three short-listed location alternatives contains equal archaeological potential. Field investigations as part of a Stage 2 Archaeological Assessment (AA) will be completed during the design phase for the preferred location. This will determine if there are any items on the property of archaeological potential.



Legend

- Stage 2 AA (required) — Test Pit Survey at 5-metre intervals
- Stage 2 AA (required) — Pedestrian survey a 5-metre intervals
- Disturbed Area
- Location No. 1
- Location No. 2
- Location No. 3

Natural Heritage Studies

A barn swallow nest is likely to be in the neighbouring barn, placing each of the short-listed alternatives in a Category 3 area. Additional work, including consultation with the Ministry of the Environment, Conservation and Parks (MECP) is required, but is not expected to limit construction in this area.



Legend

- Cultural Meadow
- Manicured Lawn
- Agricultural Paddock
- Agricultural Crop
- Location No. 1
- Location No. 2
- Location No. 3
- Barn Swallow Nest

Evaluation Criteria

Criteria Scoring

The short-listed facility location alternatives will be evaluated according to the criteria shown below

Technical Criteria

- Provides reliable service.
- Meets current and future needs.
- Aligns with existing and planned infrastructure.
- Aligns with existing and future land uses.
- Aligns with approval and permitting processes.
- Manages and minimizes construction risks.
- Ability to adapt to climate change.

Natural Environment Criteria

- Protects environmental features.
- Protects wildlife and species at risk.
- Protects groundwater, streams, and rivers.
- Minimizes climate change impacts.

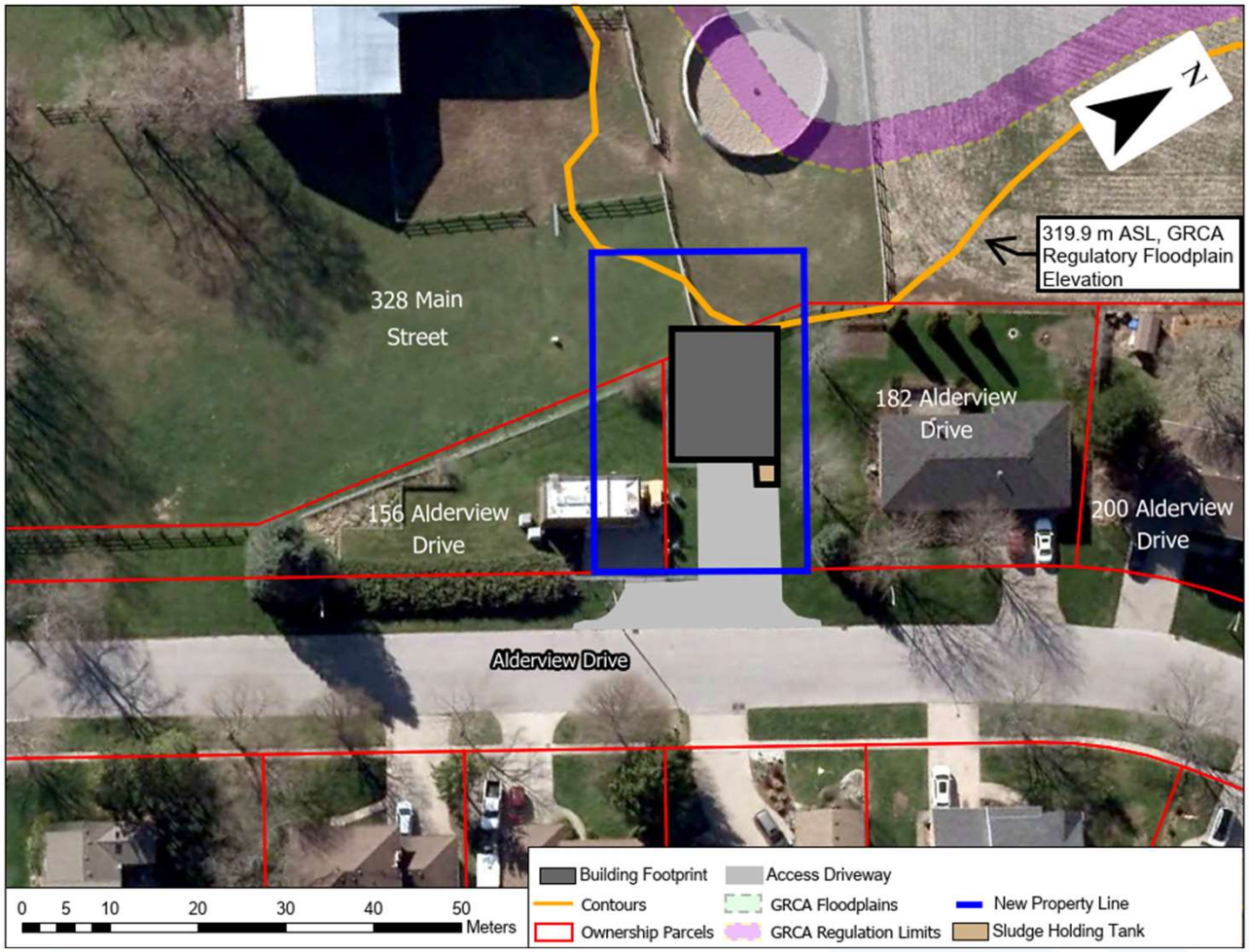
Social Criteria

- Protects health and safety.
- Minimizes impacts to residents and businesses related to noise, odour, traffic, and aesthetics.
- Minimizes impacts to businesses.
- Manages and minimizes construction impacts.
- Protects cultural heritage features.
- Protects archaeological features.

Financial Criteria

- Provides low lifecycle costs.

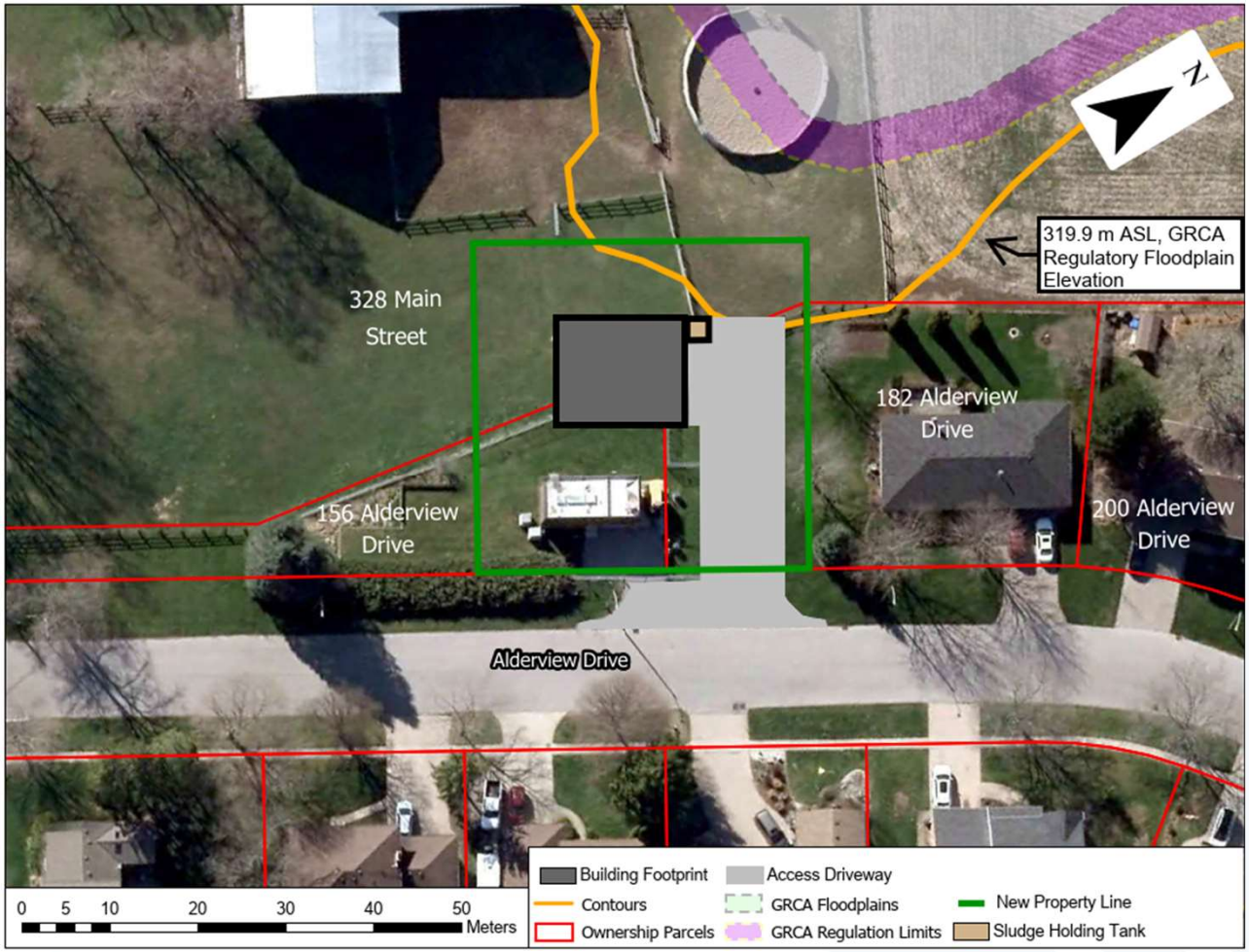
Location Alternative 1



Features

- North and adjacent to the existing supply system site.
- Existing properties are manicured lawn with some agricultural paddock.
- Least land acquisition required.
- More complex construction techniques required due to proximity to existing wells.
- The 50-year lifecycle cost of this alternative is $8.2 million.

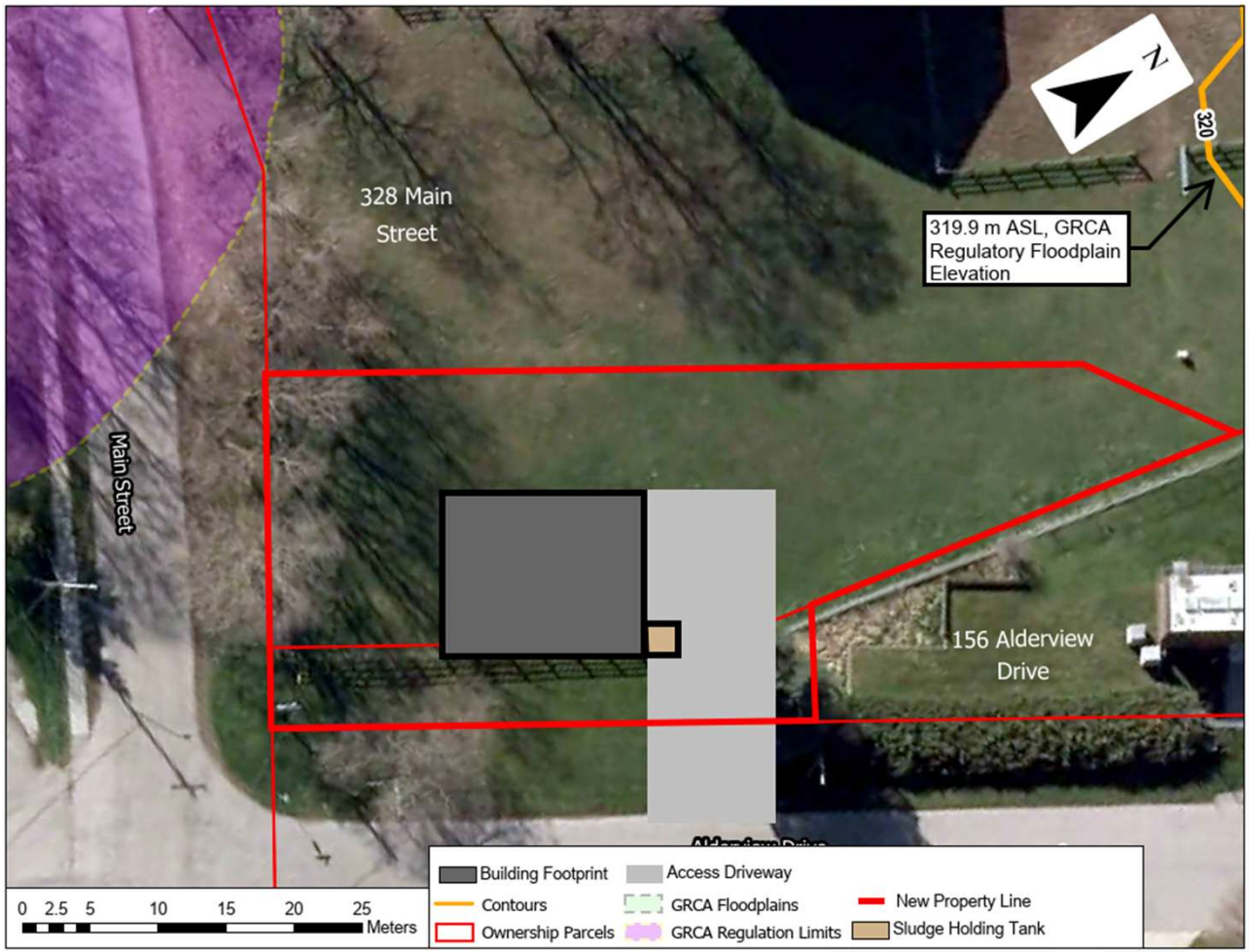
Location Alternative 2



Features

- Northwest and adjacent to the existing supply system site.
- Existing properties are manicured lawn with some agricultural paddock.
- Possible interconnection with the existing facility.
- Greater open-field space provides some ease of construction.
- The 50-year lifecycle cost of this alternative is $8.2 million.

Location Alternative 3



Features

- South and adjacent to the existing supply system site.
- Existing properties are mostly agricultural paddock.
- Greatest utility and yard piping requirements.
- Greatly hinders the view of the farmscape from the Alderview Drive and Main Street intersection.
- The 50-year lifecycle cost of this alternative is $8.3 million.

Evaluation of Location Alternatives

Criteria	Location Alternative 1: North Site	Location Alternative 2: Northwest Site	Location Alternative 3: South Site
Technical			
Social/cultural			
Natural environment			
Financial (Lifecycle)			
Overall Score			
Recommended Site			

Legend


Very low alignment with criteria


Not well aligned with criteria


Somewhat aligned with criteria


Well aligned with criteria


Very well aligned with criteria

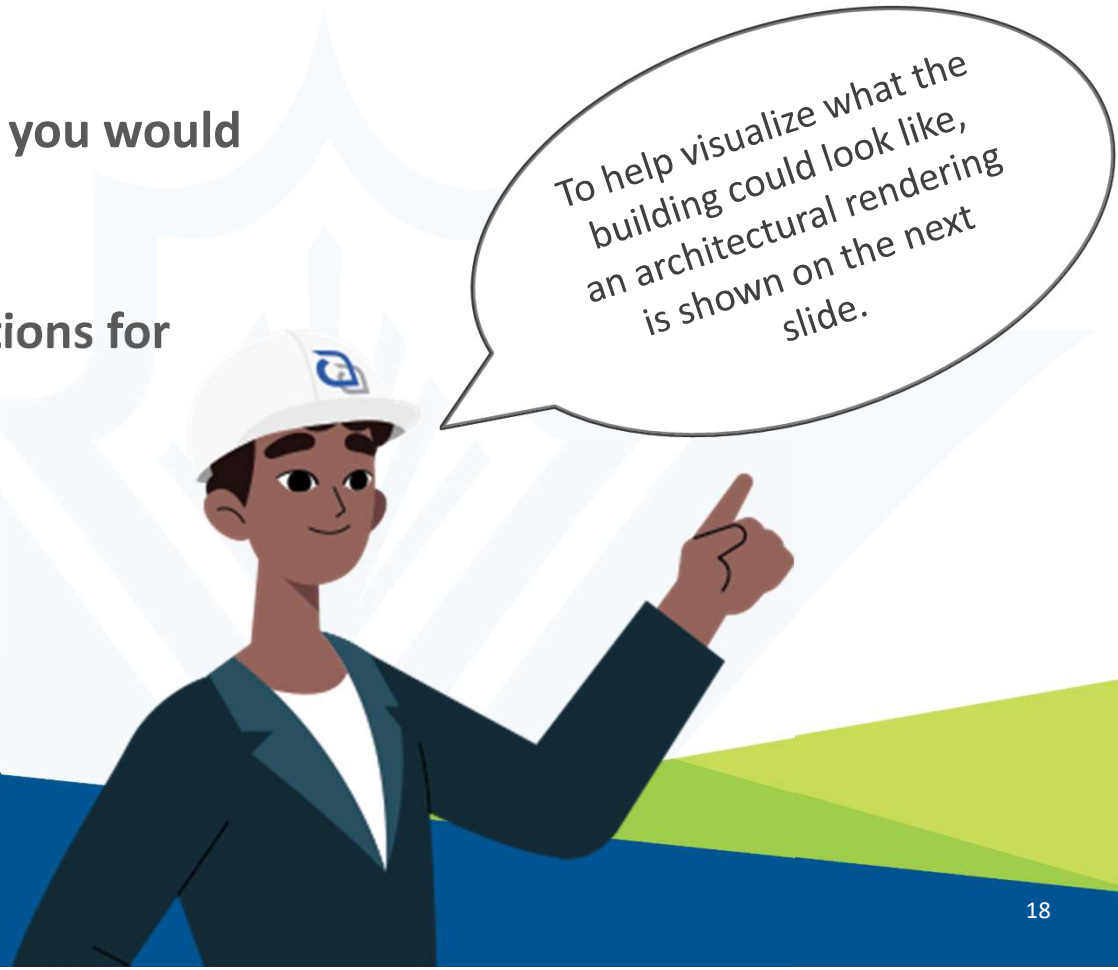
Highest Scoring Location Alternative

The preliminary scoring indicates Location Alternative 2 as the highest scoring at this time. Location Alternative 2 is recommended as the preferred site with the size and configuration of the new facility further optimized within the area to minimize impacts. A sample rendering is shown on the next slide.

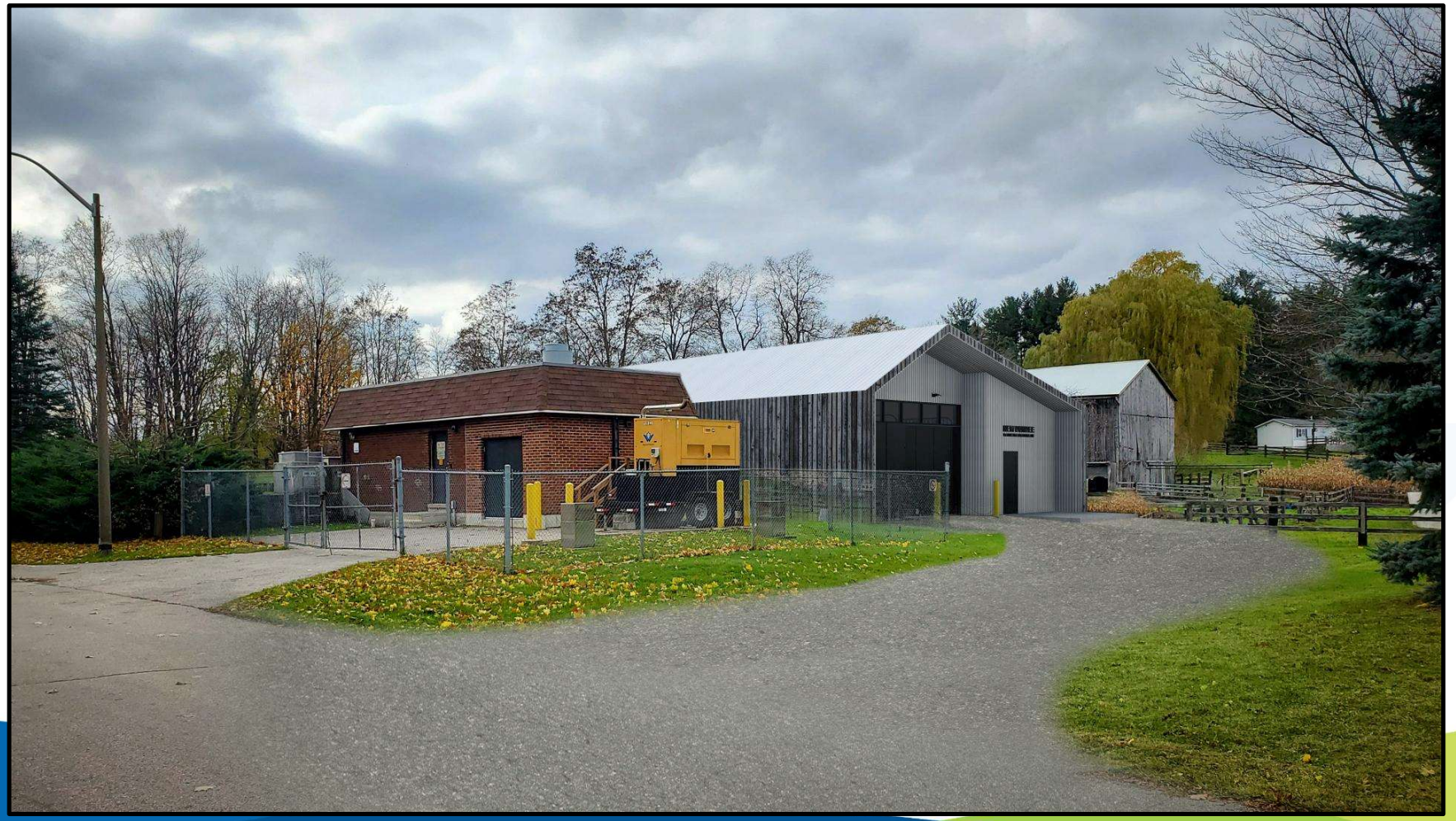
Question for our stakeholders

Are there any other aesthetic features you would like us to consider?

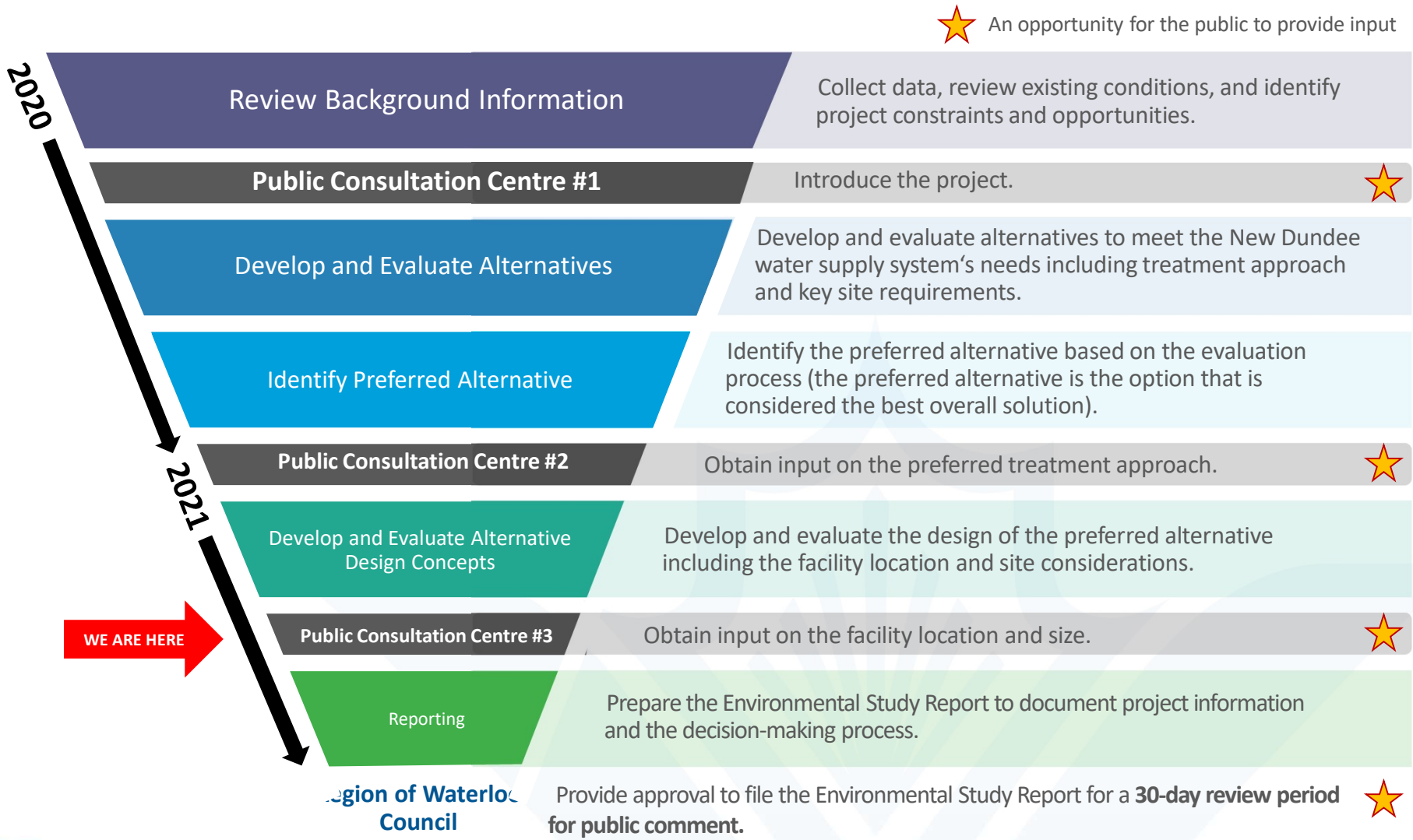
Do you have any comments or suggestions for the next stage?



Conceptual Architectural Rendering Sample



Next Steps in the Class EA Process…



After the Class EA

Upon completion of the Class EA there are several stages for this project that will need to be completed before the new facility is built. The following is an estimate of the project timeline. This timeline may change as the project progresses.

Conceptual Design (2022)

- The Region needs to acquire land based on the preferred location.
- A preliminary geotechnical and hydrogeological investigation will be completed on site to look at the property's soil and groundwater conditions.

Detailed Design (2027 to 2029)

- Several investigations will be conducted to support the detailed design including a site survey and a Stage 2 archaeological assessment.
- The exterior of the facility will be finalized in detailed design.

Construction (2029 to 2031)

- The facility will be a one-storey building.
- The site will include a paved driveway and landscaping to match the surrounding area.

Thank you for your participation!

Get Engaged!

We are nearing the end of the New Dundee water supply system - iron and manganese treatment upgrades Class EA.

Questions, comments, or want to stay up to date?

Please contact Kaoru or Kirk

Kaoru Yajima, P.Eng.
Sr. Engineer, Water Services
Region of Waterloo
150 Frederick Street, 7th Floor
Kitchener, Ontario N2G 4J3
Tel: 519-575-4757 ext. 3349
Email: kyajima@regionofwaterloo.ca

Kirk Worounig, P.Eng., PMP.
Project Manager
R.V. Anderson Associates Limited
2001 Sheppard Avenue East, Suite 300
Toronto, Ontario M2J 4Z8
Tel: 416-497-8600 ext. 1246
Email: kworounig@rvanderson.com

More information, including copies of project notices and Public Consultation Centre materials including a transcript of this virtual presentation can be found at:
https://www.regionofwaterloo.ca/waterprojects

Transcript of Virtual Public Consultation Centre #3

Slide 1 – Title slide

Hi everyone, and welcome to the New Dundee Water Supply – Iron and Manganese Treatment Upgrades Virtual Public Consultation Centre, or PCC, #3. This PCC is hosted by the Region of Waterloo as part of a Schedule C Municipal Class Environmental Assessment, or Class EA. My name is Jonathan Rudyk, and I work for R.V. Anderson, a company that will be assisting the Region in conducting the Class EA. I will be narrating the presentation today.

Before we begin, some housekeeping notes. This video is available on the Region of Waterloo website as of **February 8, 2022** and has been uploaded to YouTube. The Region website also includes a transcript of my narration for this presentation and a PDF copy of the slides, as well as the contact information for Kaoru Yajima and Kirk Worounig of the project team. If you have any questions or comments on the presentation, please email it to them, or fill out a Comments Form provided on the Region website and submit it to the project team. This presentation is the third of three PCCs, with the first PCC happening in June of 2020 and the second happening in May 2021. With that, let's get started with virtual PCC #3!

Slide 2 – Welcome!

The goals of this virtual PCC are as follows: share how we are improving service to the community, review the information shared and stakeholder feedback from PCCs #1 and #2, present treatment facility location requirements and potential locations, evaluate these locations for the new iron and manganese facility, select a preferred location alternative, answer any questions you may have, and provide you with an opportunity to get involved in the project. Please note that comments received during this study will be used to help confirm the recommended approach for the New Dundee water supply iron and manganese treatment.

Slide 3 – New Dundee water supply system iron and manganese treatment upgrades project overview

The New Dundee water supply system treatment upgrades for iron and manganese follows the Municipal Class Environmental Assessment process, or Class EA.

To better understand the project, we ask the following two questions.

1, why are we doing a Class EA, and

2, what does it mean for you?

To answer the first, the Region is taking a proactive approach to ensure that we can improve service to the community for the present and future, because lower aesthetic drinking water objectives for manganese are expected in the near future.

To answer the second, these upgrades will require a new building for the treatment equipment. To accommodate the building, it is expected additional property at the Region's existing water supply site or a new site will be required. There is no change in the amount of water being taken from the New Dundee water supply wells.

Slide 4 – Overview of the Municipal Class Environmental planning process

Before proceeding further, it may be helpful to define the Class EA process.

This study is being completed as a Schedule C Municipal Class Environmental Assessment. A Class Environmental Assessment, or Class EA, is a decision-making process that all municipalities in Ontario follow for building new infrastructure. The process will allow you as the public to follow what is planned and provide opportunities for you to ask questions and provide input. The above diagram gives a step by step process of the Class EA.

Phase 1 is to identify the problem and/or opportunity. After Phase 1 is complete, the first Virtual Public Consultation Centre, or virtual PCC, is held. This first PCC was completed in June 2020.

Phase 2 is to develop and evaluate solutions and identify the preferred solution. A second PCC is scheduled after this phase is completed. This is second PCC was completed in May of 2021.

Phase 3 is to develop and evaluate design concepts for the preferred solution and identify the preferred design. This is where we are in the process currently, and it includes this third PCC.

Phase 4 is the submission of the Environmental Study Report (ESR) and a 30-day public review period. Phase 4 is the final step of the Class EA.

Phase 5 is the implementation of the Class EA findings, in this case design and construction of the facility.

Slide 5 – PCC #1 Review

As mentioned previously, PCC #1 was uploaded for public review on June 18, 2020. The project team shared the following:

- We introduced the New Dundee water supply system,
- Described iron and manganese, and its presence in the New Dundee water supply, as well its effect on drinking water systems.
- Summarized the Class Environmental Assessment (Class EA) process.
- Discussed background studies to be completed for this project.
- And finally, we presented the project timeline and next steps.

From this PCC, what did we learn from our stakeholders?

- We received comments about the possible future building and keeping its size to a minimum.
- We also received additional questions about the effects of iron and manganese on drinking water systems.

For anyone wanting to know more, a video of PCC #1 can be found in the link below:
https://www.youtube.com/watch?v=JNp-FT7g5i0&t=1s&ab_channel=RegionofWaterloo

Slide 6 – PCC #2 Review

PCC #2 was uploaded for public review on May 11, 2021. The project team shared the following:

- We introduced treatment and residual management technologies for iron and manganese removal at municipal well facilities.
- Provided evaluation criteria to compare the different technologies.
- Selected conventional oxidation and filtration as the preferred treatment, with a backwash equalization tank and supernatant recycle as the preferred residual management.
- And finally, we presented five possible locations for the new facility.

From this PCC, what did we learn from our stakeholders?

- There was a desire to minimize truck hauling activity and reduce impacts such as noise.
- Opinions varied on which of the five locations was preferred for the new location.
- The building should positively reflect the aesthetic appeal of the neighbourhood and should not diminish views of the existing farm features.
- And, there was a desire to minimize the footprint of the building.

For anyone wanting to know more, a video of PCC #2 can be found in the link below:
https://www.youtube.com/watch?v=UUcMmFqYpDg&t=18s&ab_channel=RegionofWaterloo

Slide 7 – Potential building location alternatives

Now, let's move on the five proposed location alternatives for the new treatment facility. They are shown on the map on this slide, along with the GRCA regulatory floodplain elevation contour. This slide was presented in PCC #2 as well.

Slide 8 – Preliminary facility sizing

Based on the preferred treatment and residual management approach, an approximate building layout was determined. The new site should have space for adequate property set-backs, parking, and landscaping. Based on PCC #1 and #2 feedback, a water needs assessment was conducted to minimize the facility footprint, resulting in a 32% building size reduction.

The proposed facility will contain the following:

- A room that will house the filters, pumps, and process piping,
- An electrical room,
- A chemical room, and
- Underground tankage for the treatment and residual process.

The facility footprint is also shown on this slide as being 15 by 12 m. The facility is shown overlaid in each of the five locations on the next slide.

Slide 9 – Potential Facility Layouts

Given the facility sizing from the previous slide, the location alternatives were developed, and are shown on this slide. It should be noted that Location Alternatives 4 and 5 have standby generators included in the facility layout, as they are remote sites that will require their own standby power.

Slide 10 – Pre-screening of location alternatives

Two alternatives from the previous slide will not proceed to detailed evaluation because they do not meet project objectives, come with a prohibitive cost, provide construction challenges and operational difficulties, and would increase traffic along Alderview Drive. These are location alternatives 4 and 5.

Specifically, location alternatives 4 and 5 are:

- Over 200 m from the existing well site,
- Result in a remote treatment site, adding operational and maintenance complexities, and is not supported by the Region,
- Would result in excessive linear construction along Alderview Drive for new watermain and other utility construction, and
- Require new emergency standby power, hydro power, telecommunication connections, and storm sewer connections.

As a result, location alternatives 4 and 5 will not be considered for detailed evaluation.

Slide 11 – Archaeological Assessments

Before proceeding into the detailed evaluation, the project team would like to provide more information that will assist in the evaluation, namely the archaeological and natural heritage assessments and studies that were conducted as part of this Class EA. First is the archaeological assessment, following the guidelines developed by the Ministry of Heritage, Sport, Tourism, and Culture Industries.

Based on a Stage 1 Archaeological assessment, the general area including each of the short-listed alternatives contains equal archaeological potential. While there is potential, it is not believed it will impact the facility layout. Field investigations as part of a Stage 2 Archaeological Assessment (AA) will be completed during the design phase for the preferred location to confirm.

The figure below shows archaeological potential, and where additional investigations are required.

Slide 12 – Natural Heritage Studies

The second set of studies completed were the natural heritage studies.

Based on these studies and investigations, barn swallows were observed flying in and out of the neighbouring barn which may contain a nest, placing each of the short-listed alternatives in a Category 3 barn swallow habitat. Additional work, including consultation with the Ministry of the Environment, Conservation, and Parks (MECP) and completing a species at risk survey may be required, but this is not expected to limit construction in this area.

Slide 13 – Evaluation Criteria

After reviewing the two background studies conducted to date, we can move into summarizing the other evaluation criteria.

The short-listed iron and manganese treatment location alternatives will be evaluated according to the criteria shown below, with each of the four categories being considered equally.

The technical criteria category means the alternatives will be evaluated against:

- Providing reliable service,
- Meeting current and future needs,
- Aligning with existing and planned infrastructure,
- Aligning with existing and future land uses,
- Aligning with approval and permitting processes,
- Managing and minimizing construction risks,
- And is able to adapt to climate change.

The social criteria category means the alternatives will be evaluated against:

- Protecting health and safety,
- Minimizing impacts to residents and businesses related to noise, odour, traffic, and aesthetics,
- Minimizing impacts to businesses,
- Managing and minimizing construction impacts,
- Protecting cultural heritage features, and
- Protecting archaeological features.

The natural heritage criteria category means the alternatives will be evaluated against:

- Protecting environmental features,
- Protecting wildlife and species at risk,

- Protecting groundwater, streams, and rivers, and
- Minimizing climate change impacts.

The financial criteria category means the alternatives will be evaluated against:

- Providing low lifecycle costs

Slide 14 – Location Alternative 1

Location alternative 1 is to the north and is adjacent to the existing supply system site. The features of this alternative are:

- The existing properties consist of a manicured lawn and some agricultural paddock,
- This alternative would require the least amount of land acquisition,
- More complex construction techniques would be required to build this facility due to the proximity to the existing wells, and
- The 50-year lifecycle cost of this alternative is $8.2 million dollars.

A preliminary site layout is provided on this page, showing access driveway, building orientation, and property line.

Slide 15 – Location Alternative 2

Location alternative 2 is to the northwest and is adjacent to the existing supply system site. The features of this alternative are:

- The existing properties consist of manicured lawn and some agricultural paddock,
- This alternative may allow some interconnection to the existing facility.
- Greater open-field space provides some ease of construction, and
- The 50-year lifecycle cost of this alternative is $8.2 million dollars.

Slide 16 – Location Alternative 3

Location alternative 3 is to the south and is adjacent to the existing supply system site. The features of this alternative include:

- The existing properties consist mostly of agricultural paddock,
- This location results in the greatest utility and yard piping requirements,
- The site would greatly hinder the view of the farmscape from the Alderview Drive and Main Street intersection, and
- The 50-year lifecycle cost of this alternative $8.3 million dollars.

Slide 17 – Evaluation of location alternatives

The location alternatives were scored, and a summary of the scoring is given on this slide.

For the technical category, location alternative 1, North Site, is well aligned with criteria, location alternative 2, Northwest Site, is very well aligned with criteria, and location alternative 3, South site, is somewhat well aligned with criteria.

For the social and cultural category, alternative 1 is somewhat aligned with criteria, alternative 2 is well aligned with criteria, and alternative 3 has very low alignment with the criteria.

For the natural environment category, alternative 1 is somewhat aligned with criteria, alternative 2 is somewhat aligned with criteria, and alternative 3 is somewhat aligned with criteria.

For the financial and lifecycle category, alternative 1 is somewhat well aligned with criteria, alternative 2 is somewhat aligned with criteria, and alternative 3 is somewhat aligned with criteria.

Overall, alternative 1 is somewhat well aligned with the evaluation criteria, alternative 2 is well aligned with the evaluation criteria, while alternative 3 is not well aligned with the evaluation criteria.

Therefore, location alternative 2 is the preliminary recommended location alternative.

Slide 18 – Highest Scoring Location Alternative

The preliminary scoring indicates Location Alternative 2 as the highest scoring at this time. Location alternative 2 is recommended as the preferred site with the size and configuration of the new facility further optimized within the area to minimize impacts. A sample rendering of the facility is shown on the next slide.

We now would like to ask a few questions for our stakeholders:

Are there any other aesthetic features you would like us to consider? and

Do you have any comments or suggestions for the next stage?

To help visualize what the building could look like, an architectural rendering is shown on the next slide.

Slide 19 – Conceptual Architectural Rendering Sample

This slide shows a street view from Alderview Drive of Location Alternative 2 next to the existing supply facility, looking towards the west. The appearance of the building is just one example and we invite you to provide your feedback.

Slide 20 – Next steps in the Class EA Process…

The next steps for the project are as follows. Comments from PCC #3 will be collected and addressed by the project team. The Environmental Study Report will then be drafted to document the project information and decision-making process. As part of the

reporting, there is a 30-day public review, in which we invite the public to comment on the Environmental Study Report, before proceeding to the Conceptual Design, which is discussed on the next slide.

Slide 21 – New iron and manganese facility

Upon completion of the Class EA there are several stages for this project that will need to be completed before the new facility is built. The following is an estimate of the project timeline. This timeline may change as the project progresses.

Conceptual Design, occurring in 2022.

- The Region will work on acquiring the land based on the preferred location alternative.
- A preliminary geotechnical and hydrogeological investigation will be completed on site to look at the property's soil and groundwater conditions.

Detailed Design, occurring in 2027 to 2029.

- Several additional investigations will be conducted to support the detailed design, including a site survey and Stage 2 archaeological assessment.
- The exterior of the facility will also be finalized in Detailed Design

Construction, occurring in 2029 to 2031.

- The facility will be constructed as a one-storey building.
- The site will include a paved driveway and landscaping to match the surrounding area.

Slide 22 – Thank you for your participation!

Finally, we would like to ask you all to get engaged! We are nearing the end of the New Dundee water supply system iron and manganese treatment upgrades Class EA. Do you have any questions, comments, or want to stay up to date? Please contact or fill out a Comment form for either Kaoru Yajima from the Region of Waterloo or Kirk Worounig from R.V. Anderson. Again, the contact information is available on this slide and on the Region website, and more information, including copies of project notices, previous PCCs, and current PCC materials like a transcript of this virtual presentation can be found at the Region of Waterloo's website. Thank you very much for your participation in the virtual PCC, the project team really appreciates it.

Finish

Frank Fei Feng

From: Sawyer, Alan (IO) <Alan.Sawyer@infrastructureontario.ca>
Sent: February 8, 2022 10:19 AM
To: Carol Derrick
Subject: RE: R194591 - Notice of Virtual Public Consultation Centre #3

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Thank you. I have already redirected this Notice, but all future ones from you or your clients, can go to: NoticeReview@infrastructureontario.ca. This ensures they are addressed by the right subject matter experts at IO.

Alan

From: Carol Derrick <cderrick@rvanderson.com>
Sent: February 8, 2022 10:17 AM
To: Sawyer, Alan (IO) <Alan.Sawyer@infrastructureontario.ca>
Subject: R194591 - Notice of Virtual Public Consultation Centre #3

CAUTION: This email originated from outside of Infrastructure Ontario. Do not click links or open attachment(s) unless you recognize the sender and know the content is safe.

Please see attached the Notice of Virtual Public Consultation Centre #3 for the New Dundee Water Supply System – Iron and Manganese Treatment Upgrades Municipal Class Environmental Assessment (Class EA). The Regional Municipality of Waterloo is undertaking this Class EA to identify a preferred approach for iron and manganese treatment.

If you would like more information about the New Dundee Water Supply System – Iron and Manganese Treatment Upgrades or would prefer to be removed from the study's contact list, please contact the undersigned.

Kaoru Yajima, P.Eng.
Sr. Engineer, Water Services
Region of Waterloo
150 Frederick Street, 7th Floor
Kitchener, ON N2G 4J3

Phone: 519-575-4757 ext. 3349
Email: kyajima@regionofwaterloo.ca

Kirk Worounig, P.Eng., PMP
Consultant Project Manager
R.V. Anderson Associates Limited
2001 Sheppard Avenue East, Suite 300
Toronto, ON M2J 4Z8

Phone: 416-497-8600 ext. 1246
Email: kworounig@rvanderson.com

rva

Carol Derrick, (she / her)
Assistant to Chief Operating Officer, Zoran Filinov
Assistant to Vincent Nazareth
Assistant to Chairman, Ken Campbell

t 416 497 8600 ext. 1360

Frank Fei Feng

From: Fawn Sault <Fawn.Sault@mncfn.ca>
Sent: February 8, 2022 10:22 AM
To: Carol Derrick
Subject: Automatic reply: R194591 - Notice of Virtual Public Consultation Centre #3

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Aanii,

I have moved on to my new role for the MCFN Council and will not be checking or recieving any emails at this address. Please forward all Archaeological inquries to Adam.LaForme@mncfn.ca and any Consultation inquires to MCFN.Consultation@mncfn.ca or DOCA.Admin@mncfn.ca

Have a safe and happynew year!

Miigwech,

Fawn Sault

Frank Fei Feng

From: Kaoru Yajima
Sent: February 9, 2022 1:30 PM
To: '[redacted]'
Cc: Kirk Worounig; Jonathan Rudyk
Subject: RE: R194591 - Notice of Virtual Public Consultation Centre #3 ... request for information

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hello [redacted],

Thanks for reaching out.

Due to the ongoing pandemic, the Region has had to find new ways to engage with the public on Region projects without risking in-person contacts. At the direction and approval of Regional Council, we moved forward with virtual consultations.

The materials that we are sharing at this third public consultation on the project, along with the materials from the previous two consultations, are available at the project website below. You will find all of the details and rationale in these materials, as well as a comment sheet where you are invited to submit your thoughts on the material.

www.regionofwaterloo.ca/waterprojects

Regards,

Kaoru

From: [redacted]
Sent: February 8, 2022 6:07 PM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Subject: RE: R194591 - Notice of Virtual Public Consultation Centre #3 ... request for information

Hi Kaoru,

Thanks for the update on New Dundee Water Supply System.

I was anticipating there would be a meeting to discuss and understand the rationale for deciding on the “Iron and Manganese Treatment Upgrades” vs the other option that was presented.

If you could share the document on the rationale/ meeting minutes that would be appreciated.

Thanks,

[redacted]

[redacted]

From: Carol Derrick <cderrick@rvanderson.com>
Sent: Tuesday, February 8, 2022 12:15 PM
To: [redacted]
Subject: [EXTERNAL] R194591 - Notice of Virtual Public Consultation Centre #3

CAUTION This email is from an external sender, be cautious with links and attachments.

Please see attached the Notice of Virtual Public Consultation Centre #3 for the New Dundee Water Supply System – Iron and Manganese Treatment Upgrades Municipal Class Environmental Assessment (Class EA). The Regional Municipality of Waterloo is undertaking this Class EA to identify a preferred approach for iron and manganese treatment.

If you would like more information about the New Dundee Water Supply System – Iron and Manganese Treatment Upgrades or would prefer to be removed from the study's contact list, please contact the undersigned.

Kaoru Yajima, P.Eng.

Sr. Engineer, Water Services

Region of Waterloo

150 Frederick Street, 7th Floor

Kitchener, ON N2G 4J3

Phone: 519-575-4757 ext. 3349

Kirk Worounig, P.Eng., PMP

Consultant Project Manager

R.V. Anderson Associates Limited

2001 Sheppard Avenue East, Suite 300

Toronto, ON M2J 4Z8

Phone: 416-497-8600 ext. 1246

Frank Fei Feng

From: Kaoru Yajima
Sent: February 10, 2022 7:45 AM
To: Jonathan Rudyk
Cc: Kirk Worounig
Subject: FW: Mailing Name Change

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hi Jonathan,

Please make the change to the contact list as per below.

Thanks
Kaoru

From: Kaoru Yajima
Sent: February 10, 2022 7:44 AM
To: '[redacted]' [redacted]
Subject: RE: Mailing Name Change

Most certainly [redacted], we'll make the change on our end.

Thank you for letting us know.

Kaoru

From: [redacted]
Sent: February 10, 2022 7:32 AM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Subject: Mailing Name Change

RVA R194591

Would you please update your mailing address of [redacted] to [redacted].

[redacted] passed away March 11, 2020.

Mailing Address: [redacted]

[redacted]

Frank Fei Feng

Subject: FW: R194591 - Notice of Virtual Public Consultation Centre #3

From: phil.arbeau@zayo.com <phil.arbeau@zayo.com> **On Behalf Of** Utility Circulations
Sent: Friday, February 11, 2022 6:06 PM
To: Carol Derrick <cderrick@rvanderson.com>
Subject: Re: R194591 - Notice of Virtual Public Consultation Centre #3

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Good afternoon,

Zayo has no existing plant in the area indicated in your submission. No markup and no objection. Thank you.

Phil Arbeau
Utility Circulations

On Tue, 8 Feb 2022 at 10:26, Carol Derrick <cderrick@rvanderson.com> wrote:

> Please see attached the Notice of Virtual Public Consultation Centre #3 for the New Dundee Water Supply System – Iron and Manganese Treatment Upgrades Municipal Class Environmental Assessment (Class EA). The Regional Municipality of Waterloo is undertaking this Class EA to identify a preferred approach for iron and manganese treatment.
>
> If you would like more information about the New Dundee Water Supply System – Iron and Manganese Treatment Upgrades or would prefer to be removed from the study's contact list, please contact the undersigned.
>
> **Kaoru Yajima, P.Eng.**
> Sr. Engineer, Water Services
> Region of Waterloo
> 150 Frederick Street, 7th Floor
> Kitchener, ON N2G 4J3
>
> **Kirk Worounig, P.Eng., PMP**
> Consultant Project Manager
> R.V. Anderson Associates Limited
> 2001 Sheppard Avenue East, Suite 300
> Toronto, ON M2J 4Z8

Frank Fei Feng

Subject: FW: Comments submitted for Region of Waterloo New Dundee Water Supply project - PCC#3

From [redacted]
Sent: February 16, 2022 11:54 AM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>; kworounig@rvanderson.com
Subject: Comments submitted for Region of Waterloo New Dundee Water Supply project - PCC#3

Thank you for participating in this Public Consultation. We appreciate your time and value your input.

Direct questions on the New Dundee Water supply iron and manganese water treatment upgrades schedule B classs environmental assessment to:

Kaoru Yajima, P.Eng.

Senior Engineer, Water Services

Region of Waterloo

519-575-4400; Deaf and Hard of Hearing (TTY): 519-575-4608

kyajima@regionofwaterloo.ca

Below are your submitted comments:

- **Do you have any comments on the evaluation process?**
  Thanks for the slides to better understand present and future steps.

- **Do you have any comments on the preferred facility location?**
  Site location #2 is a good one utilizing the existing site and building.

- **Are there any other aesthetic features you would like us to consider?**
  Aesthetics of the new building; like the barn board exterior treatment and sloped metal roof.

- **Provide additional comments here.**
  Why is the construction slated for 2029? 7 years from present appears a long way off and the 1 storey building should take max. 3-4 months to construct.

- **Name**
  [redacted]

- **Address**
  [redacted] New Dundee N0B 2E0
- **Preferred Phone Number (mobile or landline)**
  [redacted]
- **Email Address**
  [redacted]
- **I have read and understood the above notice of collection of my personal information.,**
  Yes

[This is an automated email notification -- please do not respond]

Frank Fei Feng

From: Kaoru Yajima
Sent: May 11, 2022 3:39 PM
To: [redacted]
Cc: Kirk Worounig; Jonathan Rudyk
Subject: New Dundee Water Supply Class EA - response to your comments

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hi [redacted],

Thanks once again for submitting comments on the New Dundee Class EA.

Now that the commenting period has closed for the virtual public consultation 3, the project team is reviewing all input received as they move into the next stage of the project. We also wanted to provide responses to the feedback we received from you, based on information we presently have.

Building Location and Aesthetics

Thanks for your comments regarding the building location and aesthetics. The project team aims to produce a building façade that blends into the existing neighbourhood, and consideration is currently being given to revising the existing building's façade to match the new treatment building. A review is also being made on shifting the location of the mobile generator.

Construction Scheduling

The Region is currently planning to implement the New Dundee Water Supply upgrades as one of a number of water supply upgrade projects across the Region to meet the anticipated Provincial Aesthetic Objectives. The upgrades are currently scheduled for construction in approximately seven years based on anticipated timing of the new standards and allowing time for preliminary design, detailed design, tendering and land purchase.

If you wanted to discuss anything further, please feel free to contact me.

Regards,

Kaoru Yajima, P.Eng. (he/him)
Transportation and Environmental Services, Water Services
Region of Waterloo
150 Frederick Street, 7th Floor
Kitchener, Ontario, Canada N2G 4J3
tel: 226-753-0065

Frank Fei Feng

From: Kaoru Yajima
Sent: February 17, 2022 1:49 PM
To: Jonathan Rudyk
Subject: request for address change

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hi Jonathan,

[redacted] at [redacted] notified me that he no longer lives there.

The new residents are [redacted] and [redacted].

If you can make the change, that would be great.
Kaoru

Frank Fei Feng

Subject: FW: New Dundee Water Supply EA
Attachments: 2022-02-24 New Dundee Water EA PCC3 Response.pdf

---

From: Trevor Heywood <theywood@grandriver.ca>
Sent: February 24, 2022 1:43 PM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Cc: Kirk Worounig <kworounig@rvanderson.com>
Subject: New Dundee Water Supply EA

Hey Kaoru,

Please see our comments attached regarding the Fe/Mg Treatment Upgrades.

Regards,

Trevor Heywood
Resource Planner
Grand River Conservation Authority

theywood@grandriver.ca
www.grandriver.ca | Connect with us on social media

Administration Centre: 400 Clyde Road, P.O. Box 729 Cambridge, ON N1R 5W6

Phone: 519-621-2761 Toll free: 1-866-900-4722 Fax: 519-621-4844 www.grandriver.ca

February 24, 2022

Kaoru Yajima
Senior Engineer, Region of Waterloo
150 Frederick Street
Kitchener ON N2G 4J3
kyajima@regionofwaterloo.ca

Re: Municipal Class Environmental Assessment – New Dundee Water Supply Treatment Upgrades
Alderview Drive, New Dundee
Township of Wilmot

Dear Mr. Yajima,

The Grand River Conservation Authority (GRCA) has received the Public Consultation Centre 3 materials for the above-noted Class Environmental Assessment (Class EA).

We understand that Location Alternative 2 is preferred. We do not have concerns with this location or the proposed layout shown in the Public Consultation Centre 3 materials. The extent of the floodplain should be confirmed during detailed design. The Regulatory Floodplain Elevation (RFE) is 320.3 m (CGVD 28) / 319.9 m (CGVD 2013), and the Region should ensure the vertical datum matches the provided elevations. This will help confirm compliance with GRCA Policy 8.1.15 and the need for a GRCA permit.

Please keep the GRCA on the Class EA mailing list. If you have any questions or require additional information, please contact me at 519-621-2763 ext. 2292 or theywood@grandriver.ca.

Sincerely,

Trevor Heywood
Resource Planner
Grand River Conservation Authority

Frank Fei Feng

From: Kirk Worounig
Sent: February 28, 2022 4:34 PM
To: Jonathan Rudyk
Subject: FW: New Dundee Water Supply System - Iron & Manganese Treatment Upgrades

---

From: [redacted]
Sent: Monday, February 28, 2022 3:17 PM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>; Kirk Worounig <kworounig@RVAnderson.com>
Subject: New Dundee Water Supply System - Iron & Manganese Treatment Upgrades

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Good afternoon Mr. Yajima and Mr. Worounig,

My family and I live on [redacted] across from the current water well in New Dundee and have questions and concerns regarding the proposed expansion of the facility. We have been waiting anxiously for Covid restrictions to lift in the hopes that you will hold a public meeting so that we and our neighbours and community may have our questions answered etc.

Is there a public meeting scheduled? If so, would you kindly provide the date and time? If not, how could we go about having one arranged? Please advise.

I look forward to your response.

Kind regards,

[redacted]
New Dundee, ON

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www.regionofwaterloo.ca

May 11, 2022

[redacted],
New Dundee

Dear [redacted]:

New Dundee Water Supply Upgrades Municipal Class EA: Responses to your Comment on Virtual Public Consultation Centre #3

Now that the commenting period has closed for the virtual public consultation center #3, I wanted to respond to your comment below.

Public In-Person Meeting for the Project
Virtual meetings offer opportunities to reach a greater audience, but we do recognize that some residents prefer a face to face experience. As the Region's project manager on this project, I will reach out to area residents to offer one-on-one phone or online virtual meeting, for those who would like to learn more about the project, ask their questions and discuss their issues in more detail.

You had indicated that you had more questions so please let me know when you would like to meet.

Sincerely,



Kaoru Yajima, P.Eng
Transportation and Environmental Services, Water Services, Region of Waterloo
KYajima@regionofwaterloo.ca
phone: (226) 753-0065

c Kirk Worounig, Project Manager, R.V. Anderson Associates Limited
Jonathan Rudyk, Project Coordinator, R.V. Anderson Associates Limited

Frank Fei Feng

From: Kirk Worounig
Sent: March 9, 2022 8:36 AM
To: Jonathan Rudyk
Subject: FW: Comments submitted for Region of Waterloo New Dundee Water Supply project - PCC#3

From: [redacted]
Sent: Tuesday, March 8, 2022 9:02 PM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>; Kirk Worounig <kworounig@RVAnderson.com>
Subject: Comments submitted for Region of Waterloo New Dundee Water Supply project - PCC#3

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Thank you for participating in this Public Consultation. We appreciate your time and value your input.

Direct questions on the New Dundee Water supply iron and manganese water treatment upgrades schedule B classs environmental assessment to:

Kaoru Yajima, P.Eng.

Senior Engineer, Water Services

Region of Waterloo

519-575-4400; Deaf and Hard of Hearing (TTY): 519-575-4608

kyajima@regionofwaterloo.ca

Below are your submitted comments:

- **Do you have any comments on the evaluation process?**
  I feel we were short changed on this process since it was done totally thru covid with absolutely NO face to face meetings or discussions.
  This directly affects us, our neighbours, our neighbourhood and our house values. You state this is in advance of possible changes to the iron and maganese levels in the water... that you are being pro-active..... so why the rush? Why can't this process slow down?
  The Water supply for Kitchener is already out to Fisher-Hallman and Plains Road..... have

you costed what it would take to simply bring
the water lines out to New Dundee?. I am sure Kitchener will continue to expand over to Trussler Road, even closer to New Dundee.
Since you are not even planning on building this treatment addition until 2031, surely the water lines for Kitchener will be even closer.

- **Do you have any comments on the preferred facility location?**
The preferred facility location is not suitable. Perhaps from your perspective it is, but this is our home and community. We look at things
differently. I am very concerned about the "hit" [redacted] will take in value, as well as other surrounding properties , when this building you are proposing comes next door. It is definitely larger than their house and any on the street.
Surely, no one wants this in the middle of a residential area..... the preferable spot would be at the end of the street.
Also, if you put an asphalt driveway in where the diagram shows, it totally takes up any drainage area between the current well and [redacted]. We were here when this sub division was built and we know the builder had to grade a drainage area , slightly sloping, between each lot. Now you are proposing to do away with that. However, [redacted] will suffer water damage from water running off your asphalt driveway.

- **Are there any other aesthetic features you would like us to consider?**
1. Make the proposed building smaller yet.
2. Would it not be possible to turn the building around so the opening is on the other side? have the driveway go out the other side, behind the existing well, coming out to the road where the highest trees are?
3. Make the driveway, not asphalt, but a type of interlocking stone with grass between the stones, almost like a lattice work. This would allow proper water absorption and a nicer aesthetic look beside the barnyard.
4. Allow neighbours ,, to have a say in the type of landscaping, trees etc around the building.
5. Give assurance that there would be a fence around, just the necessary part of the building , so we can still have access to as much
of the paddock/horses as possible.
6. From the artist illustration you included, we understand you are trying to replicate the look of the barn, which we appreciate. However, now the existing well building totally looks out of place. Can this building not be altered to better fit in with the new building.?
7. Give a guarantee as to the operating times that trucks may come to this centre.....during normal working hours, not weekends or early mornings or evenings. Guarantee that the trucks will not sit in the driveway running their engines and spewing exhaust into our air.

- **Provide additional comments here.**
I would like to better understand the levels of iron and manganese we currently have and what the government guidelines are now.
Why do you feel they will change in the future? If you are doing this based on "proposed" guidelines, what if they change again?
Has inflation been considered in the proposed cost? As we have seen, costs have risen unexpectedly high in the past two years.... I can only imagine what it will do in the next 7 years..... so I wonder why joining us to the Kitchener water lines would not be a plausible solution to consider.
I would also like to state for the record, I never received any notice of the Phase 1 consultation. I was not aware of any of this until the Phase 2 notice last year. I think, if

you review your responses to the Phase 1 consultation, I am sure most people missed it due to Covid sidelining so much. How do I access the responses received for Phase 1, as I understand they are Public Record.?
Please explain, Location #2 states "possible interconnection with the existing facility" yet Location #1 states "more complex construction techniques required due to Proximity to existing wells"?, yet the building is almost in the same area on each location????

- **Name**
  [redacted]
- **Address**
  [redacted]
- **Preferred Phone Number (mobile or landline)**
  [redacted]
- **Email Address**
  [redacted]
- **I have read and understood the above notice of collection of my personal information.,**
  Yes

[This is an automated email notification -- please do not respond]

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www.regionofwaterloo.ca

May 11, 2022

[redacted]
New Dundee, ON
N0B 2E0

Dear [redacted] and [redacted]:

New Dundee Water Supply Upgrades Municipal Class EA: Responses to your Comments on Virtual Public Consultation Centre #3

Thank you again for taking the time to review PCC #3 materials and provide your comments, public consultation is a key component of the Municipal Class Environmental Assessment process. Please see below for Region's responses to your comments submitted on March 9, 2022.

Public In-Person Meeting for the Project
Virtual meetings offer opportunities to reach a greater audience, but we do recognize that some residents prefer a face to face experience. As the Region's project manager on this project, I will reach out to area residents to offer one-on-one phone or online virtual meeting, for those who would like to learn more about the project, ask their questions and discuss their issues in more detail.

Scheduled Construction is in Seven Years
The Region is currently planning to implement the New Dundee Water Supply upgrades as one of a number of water supply upgrade projects across the Region to meet the anticipated Provincial Aesthetic Objectives. The upgrades are currently scheduled for construction in approximately seven years based on anticipated timing of the new standards and allowing time for preliminary design, detailed design, tendering and land purchase.

Bringing in Kitchener Water Lines
This option has been considered in the long list of alternatives, as presented in PCC #2. Based on the Region's Official Plan, further development of Kitchener will not occur further west based on the protected Countryside Line.

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Property Value

The new treatment facility is being constructed to ensure that the Region of Waterloo maintains its goal of treating its drinking water to aesthetic objective levels. The construction is not expected to affect the surrounding property values and improvements to the aesthetics to the existing facility, including a new façade and an attempt to relocate the existing generator, will also be included as part of the upgrades**.**

Location Alternative at the End of the Street

The alternative locations at the end of Alderview Drive were not considered preferred due three major considerations. The first is the complexity involved with operating the new treatment equipment remotely from the existing treatment plant. The second is the consideration for extensive construction under Alderview Drive to install piping and utilities. The thirds is the need for maintenance and delivery vehicles to drive to the end of Alderview Drive.

Water Runoff

Neighbouring properties will not suffer from water running off from the driveway. The design of the upgrades will ensure that no additional runoff will occur off the existing site.

Building Size, Design, and Landscaping

The Region recognized the feedback received in the previous Public Consultation Center #2 and has reduced the size of the building. The result was a 33 per cent decrease in the building footprint which was presented in Public Consultation Center #3. The design is still at a conceptual level and the Region is committed to look for further opportunities to reduce the building footprint and optimize the building orientation in future design phases.

The Region appreciates the infrastructure is situated in a unique rural area and is committed to ensuring the architectural finish of the building reflects the existing pastoral aesthetic. A landscape architect will be retained during design to present a suitable landscaping plan as well.

Driveway Design

The driveway was positioned as such to minimize property acquisition and to keep it within the confines of the Region’s existing property as much as possible. The

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configuration of the final treatment building, including the driveway and entrance, will be further refined during future design phases and will consider any opportunities to minimize impacts on adjacent properties while still ensuring full site functionality.

Fencing
Although not pictured in the rendering provided in Public Consultation Center #3, the site will be fenced in for security purposes in the preliminary and detailed design.

Alterations to Existing Building
Thank you for the suggestion. The Region will include improvements to the existing building façade as part of the upgrades. A conceptual rendering of what this could look like has been appended to this document.

Solids Hauling Trucks
Once the facility is operational, there will be truck haulage traffic. Based on our experience at existing, similarly sized facilities, this can be up to once a month however is likely closer to roughly eight times a year. There will be noise associated with the process and therefore it will be timed to occur during weekday business hours**.**

Existing Iron/Manganese Levels and Government Guidelines
Drinking water quality standards and aesthetic objectives are regulated by the Ministry of Environment, Conservation and Parks of the Ontario government. Iron and manganese are considered aesthetic objectives that may impact the look or taste or water or cause staining of fixtures or laundry.

As mentioned in slide 7 of our first public consultation, the Province is contemplating a reduction of the manganese aesthetic objective (AO) from the current 0.05mg/l to 0.02 mg/l based on Health Canada recommendations. The levels of manganese at New Dundee meet the current AO but would be above the proposed AO.

The Region is continually in communication with the Province to understand any future changes to guidelines and to plan for them accordingly.

Inflation
The comparative capital cost estimates were developed to reflect the present value of the construction, and have not considered future inflation.

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Responses to the Comments from Consultation

Responses to the comments received will be posted to the website soon, and will also be documented as part of the Project file in the final report.

Clarification on Interconnection with Existing Facility

There are two municipal wells that are the source of drinking water for New Dundee. They are both located to the right of the existing water treatment building, when looking from Alderview Drive. Location 1 would be constructed very close to these wells while Location 2 is further away, behind the existing building.

Constructing in Location 1 near these wells and near the property line would require more expensive construction techniques, such as shoring for excavation stability so they do not compromise the wells. Regarding interconnection, Location 2 would be easier to connect to the existing water treatment plant, with a possible connection to the existing building. This will be explored as a possibility in the Preliminary Design stage.

As mentioned in the first response above, let me know if you would like to meet one on one virtually to discuss the project further; I would be happy to set up a time that works.

.

Sincerely,



Kaoru Yajima, P.Eng
Transportation and Environmental Services, Water Services, Region of Waterloo
KYajima@regionofwaterloo.ca
phone: (226) 753-0065

c Kirk Worounig, Project Manager, R.V. Anderson Associates Limited
Jonathan Rudyk, Project Coordinator, R.V. Anderson Associates Limited



Draft rendering concept for New Dundee Water Treatment Plant

Frank Fei Feng

From: Kirk Worounig
Sent: March 9, 2022 8:37 AM
To: Jonathan Rudyk
Subject: FW: Comments submitted for Region of Waterloo New Dundee Water Supply project - PCC#3

[redacted]

From: noreply@esolutionsgroup.ca <noreply@esolutionsgroup.ca>
Sent: Tuesday, March 8, 2022 9:03 PM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>; Kirk Worounig <kworounig@RVAnderson.com>
Subject: Comments submitted for Region of Waterloo New Dundee Water Supply project - PCC#3

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Thank you for participating in this Public Consultation. We appreciate your time and value your input.

Direct questions on the New Dundee Water supply iron and manganese water treatment upgrades schedule B classs environmental assessment to:

Kaoru Yajima, P.Eng.

Senior Engineer, Water Services

Region of Waterloo

519-575-4400; Deaf and Hard of Hearing (TTY): 519-575-4608

kyajima@regionofwaterloo.ca

Below are your submitted comments:

- **Do you have any comments on the evaluation process?**
  YES. As covid restrictions have lifted in Waterloo Region it is time to have a public face to face meeting preferably to be held at the New Dundee Community Centre.

- **Do you have any comments on the preferred facility location?**
  Yes, see below

- **Are there any other aesthetic features you would like us to consider?**
  Yes, wherever it is located (preferably not on Alderview Drive or Main St. in New Dundee) it should be as minimal in size as possible and as camouflaged as possible with the environment....and as far away from resident homes as possible. What about off of Bridge St. east of the village?

- **Provide additional comments here.**
  March 8, 2022

  Gentlemen:

  In response to Public Consultation #3 of the New Dundee Alderview Well Project Proposal, I offer to you the following comments from my vantage point as resident at [redacted]), with my sunroom, backyard and deck facing onto Alderview Drive and with full view of the current well site and my farm neighbour's barn and side paddock.

  The barn and paddock with resident horse are indeed a beautiful, bucolic and pastoral view and are a big part of 'my little piece of paradise'. Seven years ago, following my retirement, I added a year-round sunroom to the back of my house focusing on the view on three sides of me….the most prominent being to the north where said barn and horse and agricultural fields are located. Seven years ago I spent over $30,000 for this addition (with multiple windows) and deck. I don't wish to see my view diminished by an unsightly, oversized addition in proximity to the current well site.

  There is also already a significant amount of truck and vehicle noise and equipment at the current well site during maintenance checks and operations, which during the month of January 2022 seemed to be all day every day for two to three weeks. My back bedroom windows pick up all the noise and goings on at the well site each and every time there is a vehicle there. Some of my neighbours have said the day long smell of diesel fuel from running vehicles at the well has infiltrated their homes. How disgusting is that? The diesel fumes often carry over to my property as well.

  I appreciate that of the five potential well improvement sites offered in round two of the consultation process, the options have been narrowed down to really two options adjacent to the current well site, and frankly I believe the two options at the end of Alderview Drive were never realistic on your part in the beginning. I understand that cost is indeed a factor, however in the long term, the location of an expanded well facility out of sight or at least somewhat removed from the residential neighbourhood would be much preferred by the majority of New Dundee residents, and not just by the residents of Alderview Drive.

  For the residents of this neighbourhood, many of whom have lived here for years, others who have moved here more recently, all have purchased homes here for the quiet location and pastoral view and feel of the country neighbourhood. All of the homeowners, including myself at the corner of Alderview and Main St, will realize a significant decline in their property values should additional structures (i.e. adjacent to the well) be erected thus blocking beautiful landscape views and incorporating increased construction and vehicle maintenance and noise and haulage trucks FOR–EVER!

  I do not want to see my neighbours (including myself) suffer from the stress and anxiety of a permanent change in this neighbourhood, a decline in all our house and property

values, the increased truck traffic and other noise from maintenance activity.

There are many things still to be clarified by the project engineer and project manager and the Waterloo Region which should be brought forth in a public in- person meeting before any further planning goes ahead. The residents of the neighbourhood and the whole community deserve to know more details about the necessity of this project and how it impacts residents in proximity to the current well.

It is unfortunate that several residents have directly asked for a public meeting and been refused supposedly based on Waterloo Region's policy not to have their employees engage in public meetings even as covid restrictions around gathering have lifted and the doors to our community centre are now 'wide open'. Why is it ok for community groups (some of who are seniors) to now use our community centre, but apparently people employed by the Region are 'not allowed' to meet with us in public? This does not make any sense at all and is frankly hypocritical on the part of the Region and its employees. Our residents need to gather to discuss this topic as residents with a common issue and hear from the experts. Your ppt slides and videos are wonderful, but many of us have questions upon questions that build from open discussion. We need to hear from our dear neighbours how this well expansion project is affecting each one of us. And we are here to support our neighbours.

In your various ppt presentations and transcript of video I have found the words 'could lead to', 'expected', 'potential', 'future' to name but a few. This makes me still ask "how necessary is this project?" "What are the current levels of iron and manganese in the New Dundee water?" "What are the current public health (Health Canada) acceptable levels of iron and manganese?" "Why do you expect the 'acceptable' levels to change in the future?" "What if the 'expected acceptable levels' are never legislated?" These are but a few of my questions. I want to hear what other questions my neighbours are asking too and why not tell all of us all of the answers in a public meeting? Please note that the neighbourhood will no doubt demand a public in person meeting prior to further advancement of this project. I do have additional comments in regards to design and landscape for wherever the new well might be, which I will defer to future public consultation.

Less agricultural land, less dirt on the ground, more pavement, more construction on agricultural lands equals greater cost to climate change and the environment.

Please let me know when I can assist with organizing an in-person public meeting to further discuss this project.

Respectfully submitted,

[redacted]

- **Name**
  [redacted]
- [redacted]
- [redacted]

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www.regionofwaterloo.ca

May 11, 2022

[redacted]
New Dundee, ON
N0B 2E0

Dear [redacted]:

New Dundee Water Supply Upgrades Municipal Class EA: Responses to your Comments on Virtual Public Consultation Centre #3

Thank you again for taking the time to review PCC #3 materials and provide your comments. Public consultation is a key component of the Municipal Class Environmental Assessment process. Please see below for the Region's responses to your comments submitted on March 8, 2022.

Public In-Person Meeting for the Project
Virtual meetings offer opportunities to reach a greater audience, but we do recognize that some residents prefer a face to face experience. As the Region's project manager on this project I will reach out to area residents to offer one-on-one phone or online virtual meeting for those who would like to learn more about the project, ask their questions and discuss their issues in more detail.

Location Alternatives
It is pointed out that the source of the water and the existing treatment are both located at 154 Alderview Drive. Based on the evaluation criteria used, the locations were evaluated and the alternative closest to the existing water treatment plant was identified as the preferred location.

View of Farms and Landscaping Design Consultation
Based on the evaluation presented on slide 17, under "Social/cultural" criteria, it was deemed alternative #2 would have the least visual impact on the farm. The new building footprint has been minimized to reduce the view of the farm and opportunities

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to further reduce the footprint of the facility and to optimize the building orientation will be key components of the next stage of design.

Solids Hauling

Based on our experience at existing, similarly sized facilities, this can be up to once a month however is likely closer to roughly eight times a year. There will be noise associated with the process and therefore it will be timed to occur during weekday business hours.

Decline in Property Value

The new treatment facility is being constructed to ensure that the Region of Waterloo maintains its goal of treating its drinking water to aesthetic objective levels. The construction is not expected to affect the surrounding property values and improvements to the aesthetics to the existing facility, including a new façade and an attempt to relocate the existing generator, will also be included as part of the upgrades.

Existing Iron/Manganese Levels and Government Guidelines

Drinking water quality standards and aesthetic objectives are regulated by the Ministry of Environment, Conservation and Parks of the Ontario government. Iron and manganese are considered aesthetic objectives that may impact the look or taste or water or cause staining of fixtures or laundry.

As mentioned in slide 7 of our first public consultation, the Province is contemplating a reduction of the manganese aesthetic objective (AO) from the current 0.05mg/l to 0.02 mg/l based on Health Canada recommendations. The levels of manganese at New Dundee meet the current AO but would be above the proposed AO.

The Region is continually in communication with the Province to understand any future changes to guidelines and to plan for them accordingly.

Landscape Design in Future Consultation

The Region will retain a landscape architect for the preliminary and detailed design of the new facility, and a consultation will be held to review the landscaping plan with the community during detailed design. Attached is an updated rendering of the facility.

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Climate Change

The new treatment facility is being constructed to ensure the Region of Waterloo maintains its goal of treating its drinking water to the Province's aesthetic objective levels but the Region recognizes any alternative may have some impact on the environment.

Mitigation of future climate change impacts was considered as part of evaluation process and additional efforts will be made to find opportunities to reduce the environmental impact and reduce greenhouse gas emissions as part of the design process.

Nancy, we appreciate your continued correspondence throughout the Class EA. Further to our first response above, let me know if you would like to meet one on one virtually to discuss the project further; I would be happy to set up a time that works.

Sincerely,



Kaoru Yajima, P.Eng
Transportation and Environmental Services, Water Services, Region of Waterloo
KYajima@regionofwaterloo.ca
phone: (226) 753-0065

c Kirk Worounig, Project Manager, R.V. Anderson Associates Limited
Jonathan Rudyk, Project Coordinator, R.V. Anderson Associates Limited



Draft rendering concept for New Dundee Water Treatment Plant

4034689

Frank Fei Feng

From: Kirk Worounig
Sent: March 9, 2022 1:38 PM
To: Jonathan Rudyk
Subject: FW: Comments for New Dundee Water Supply - Consultation #3
Attachments: [redacted]Comments -New Dundee Water Project- Stage3.pdf

From: [redacted] <[redacted]>
Sent: Wednesday, March 9, 2022 1:30 PM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>; Kirk Worounig <kworounig@RVAnderson.com>
Subject: Comments for New Dundee Water Supply - Consultation #3

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hello Kaoru and Kirk,

Please find attached our comments regarding the Regional Municipality of Waterloo New Dundee Water Supply System – Iron and Manganese Upgrades Environmental Assessment, Virtual Public Consultation Centre #3.

Please confirm your receipt of this email and attached document.

Best Regards,

[redacted]
[redacted]
New Dundee, ON, N0B 2E0

Comments on Regional Municipality of Waterloo New Dundee Water Supply System – Iron and Manganese Upgrades - Virtual Public Consultation Centre #3

[redacted]
[redacted], New Dundee, N0B 2E0
Ph. [redacted]

March 9, 2022

Please note we live next door to the existing water station, directly beside proposed alternatives #1 and #2 and are therefore directly affected.

1. **Concerns about your preferred alternative site #2 and site #1 if it's still a possibility:**

   Why have you not listed as a disadvantage for this site the negative impact to our adjacent home at [redacted].? I'm extremely disappointed in your study ignoring this reality.

   <u>Noise</u>:

   - We have a major concern about the long driveway/parking area that would be next to our house for site #2. For pumping of the solids a number of times per month, the truck will be backing up along the entire side of our house from the road to the rear. This will be noisy and disruptive.
   - The noise from pumping out the underground holding tank will essentially be occurring in our backyard. This will be a major disruption as it will no doubt last for a significant amount of time. This is a major negative impact to us and our household and it's not mentioned in your evaluation. As stated above, this is extremely unfair and regrettable that this has been ignored and not considered.

   <u>Water runoff</u>:

   - We have concerns about the potential elevation of the driveway and building purposed for site #2 (site #1 included.) The new building seems to be elevated significantly compared to the existing grade behind the water station. The concern is water runoff from the large surface of the proposed driveway and parking area towards our house and basement windows.
   - The paved driveway as shown is excessively wide and will cause a large runoff of water, especially in the spring time or from a heavy rain. Why can the driveway not be made narrower and be kept closer to the existing water station?
   - There <u>must be assurances</u> from the Region to protect our house and property from damage due to water runoff.
   - A gravel or crushed stone driveway would allow better water absorption with less runoff if a proper grade cannot be achieved.
   - Additional concerns exist around snow removal. Salty snow will be thrown up on our lawn and kill the grass.

Privacy and Security:

- Site #1 and #2 cause a major loss of our privacy and security, especially site #2 to the backyard. There will be people coming and going next to our backyard.
- Site #2 as shown in the rendering sample would allow anyone to drive to the back of the driveway, day or night, and have access to our backyard. There would need to be a fence to provide security along with appropriate landscape screening.
- We expect to have direct input on the type of fence installed.

Property Devaluation:

- Site #1 and #2 will significantly devalue our property at [redacted]. Our property will be devalued for all the reasons listed above. **There will be required compensation for this loss of property value**.

  Proposed sites #1 and #2 greatly hinder the view of the farmscape and reduce our property value. The current view of the barn and area from our house is shown below; this will be destroyed and lost.

View that is blocked by Site #1 and #2 affecting [redacted]



Farm Disruption:

- Site #1 and #2 cause a major disruption to the barn yard area and paddock of the existing farm. This is ruining the quality of the farm and the existing characteristics of the farm. This again has not been listed as a disadvantage for either site #1 or #2 and should be taken into consideration.
- Why does the setback from the building need to be so wide and take more farm property than is necessary?

2. Questions/Comments:

a. The exterior of the facility is not to be finalized until during the detailed design phase in about 5 to 7 years from now. Will there be a review available to public of the final exterior design? If not, why? I will have to live right beside it.

b. I want input and review of final design and elevation since it has direct effect on me. What assurances do I have there will not be water runoff problems created by this project that affect me?

c. Regarding screening/fencing between the building and our residence, again this will not be completed until the end of the project. I want input into this as it has a direct effect on our view and security.

d. It is stated in the slide presentation "The preliminary scoring indicates Location Alternative 2 as the highest scoring at this time." This states "preliminary", is it possible you could choose a different site later without public consultation depending on other factors that come up? This would not be acceptable to not consult with the public and the neighbors.

e. If the owner of the farm does not want their farmyard ruined and interfered with, and refuse to sell, what are your plans?

f. In the case of resistance of sellers for site #2, I strongly suggest site #5 be reconsidered. The building can be located further away from existing houses. I reject the comment in the slides that this site "comes with a prohibitive cost". This is an over-exaggeration.

g. Extra truck traffic on Alderview Dr. to site #5 is realistically not comparable to the truck backing up alongside our house to our back yard to pump the solids. There are already multiple garbage trucks every Monday on Alderview Dr. There would be negligible impact on street noise for site #5. However noise in my house and backyard will be significant and direct for site #1 or #2. Has this been considered?

h. The current location of the generator creates an eyesore. The Water Station looks like a construction site all the time. I suggest relocating the generator as part of this construction project to make it more hidden and less intrusive.

3. Suggestion:

I strongly suggest if the building is to be located at site #2, the driveway come in from Alderview Dr. at the south end of the Water Station and run along behind to the new building with the solids tank located at the other end of the building from where it's shown now. So the driveway as shown in site #4 could be extended around behind the Water Station to the building.

This results in no building blocking the view from Alderview Dr. at site #4, only the driveway would be there. The advantage is the trucks would not be running directly beside a residence as it is now for sites #1 and #2, resulting in <u>reduced direct impact</u> of disruptions on residences.

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May 11, 2022

[redacted]
New Dundee, ON
N0B 2E0

Dear [redacted]:

New Dundee Water Supply Upgrades Municipal Class EA: Responses to your Comments on Virtual Public Consultation Centre #3

Thank you again for taking the time to review PCC #3 materials and provide your comments, public consultation is a key component of the Municipal Class Environmental Assessment process. Please see below for Region's responses to your comments submitted on March 9, 2022.

1. Concerns about Preferred Alternative Site #2

Evaluation Criteria Did Not Include Impact to Adjacent Homes and the Farm

Impact to the neighbours was a very important consideration for the Region and this was reflected under the "Social/cultural" criteria presented on slide 17.

Alternative #2 was given a higher social score as compared to Alternative #3 due to the visual impact to the overall community from the corner of Alderview Drive and Main Street in Alternative #3.

Alternative #2 was also given a higher social score over Alternative #1 as it better fits behind the existing building, thereby reducing the visual impact from Alderview Drive.

Noise

Once the facility is operational, there will be truck haulage traffic. Based on our experience at existing, similarly sized facilities, this can be up to once a month however is likely closer to roughly eight times a year. There will be noise associated with the process and therefore it will be timed to occur during weekday business hours.

Water Runoff, Driveway Design, Snow Removal

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Neighbouring properties will not suffer from water running off from the driveway. The design of the upgrades will ensure that no additional runoff will occur off the existing site.

The driveway was positioned as such to minimize property acquisition and to keep it within the confines of the Region's existing property as much as possible. The configuration of the final treatment building, including the driveway and entrance, will be further refined during future design phases and will consider any opportunities to minimize impacts on adjacent properties while still ensuring full site functionality.

Due to the proximity of the driveway to the Region's existing municipal wells salting of the driveway is minimized to protect the quality of our drinking water.

Privacy and Security
Although not pictured in the rendering provided in Public Consultation Center #3, the site will be fenced in for security purposes in the preliminary and detailed design.

Property Devaluation and View of Farms
The new treatment facility is being constructed to ensure that the Region of Waterloo maintains its goal of treating its drinking water to aesthetic objective levels. The construction is not expected to affect the surrounding property values and improvements to the aesthetics to the existing facility, including a new façade and an attempt to relocate the existing generator, will also be included as part of the upgrades.

Based on the evaluation presented on slide 17, under "Social/cultural" criteria, it was deemed alternative #2 would have the least visual impact on the farm. The new building footprint has been minimized to reduce the view of the farm and opportunities to further reduce the footprint of the facility and to optimize the building orientation will be key components of the next stage of design.

Farm Disruption
The footprint of the building shown in the consultation material is considered conceptual and takes into account conservative assumptions including property setbacks. The Region will work with Township staff and identify if setback requirements can be lessened, which would reduce the amount of additional property required. The Region is also committed to work on optimizing the building footprint and orientation during the design phases to lessen these impacts.

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2. Other Questions/Comments

Further Public Consultation (Points a, b, and c)

The public will have the opportunity to review the Environmental Study Report for this Class Environmental Assessment study when the Notice of Completion is issued.

Furthermore, the Region will commit to an additional public consultation center during detailed design to show the proposed site plan, architectural finishes, and landscaping plan.

Preliminary Scoring (Point d)

Scoring that is presented to the public and other stakeholders is considered preliminary as the Region is seeking feedback on the process and will consider any additional information gathered through consultation before finalizing the preferred solution. Once the Environmental Screening Report has been filed for the 30 day public period and all feedback has been received and considered, the preferred location will be considered finalized. Once the Class EA process is completed, major considerations such as preferred location and treatment technology would need to remain as presented to the public. Should a change be required, a Class EA Addendum must be filed and the Region must conduct additional public consultation as part of the process.

Property Acquisition (Point e)

Where land acquisition is required, the Region would like to start these discussions early in order to have these details finalized before proceeding with detailed design, which typically starts 2-3 years ahead of construction. The Region's preferred approach is to work with the landowner to negotiate an agreement that is agreeable to all parties involved. This could include the timing of the transfer of the property.

Consideration for Site Relocation (Points f and g)

Additional costs associated with alternative #5 (and alternative #4) would be from the need to install the necessary buried infrastructure starting from the existing building at [redacted], to the new building at alternative #5 (or #4) and then back again. This entails road construction along most of Alderview Drive to bury two sets of piping and valves, along with electrical and communications cables. The noise would be attributed to the construction to install this infrastructure.

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Generator Relocation (Point h)

Thank you for the suggestion. Relocation of the generator will be included as part of the upgrades. Attaches is an updated possible rendering of the facility.

Thank you for your continued comments throughout the Class EA, the suggestions and points you have raised have been valuable to the team during our evaluation and design consideration processes.

I would be happy to set up a meeting with yourselves if you would like to discuss these comments further.

Sincerely,



Kaoru Yajima, P.Eng
Transportation and Environmental Services, Water Services, Region of Waterloo
KYajima@regionofwaterloo.ca
phone: (226) 753-0065

c Kirk Worounig, Project Manager, R.V. Anderson Associates Limited
Jonathan Rudyk, Project Coordinator, R.V. Anderson Associates Limited



Draft rendering concept for New Dundee Water Treatment Plant

4034697

Frank Fei Feng

From: Jonathan Rudyk
Sent: March 11, 2022 3:36 PM
To: Frank Fei Feng
Subject: FW: concerns about the New Dundee water supply system

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From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: March 9, 2022 4:52 PM
To: [redacted]
Cc: [redacted] and [redacted]; Kirk Worounig <kworounig@RVAnderson.com>; Jonathan Rudyk <JRudyk@rvanderson.com>
Subject: RE: concerns about the New Dundee water supply system

---

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Good Day [redacted],

I appreciate you taking time to write down your concerns and questions.

I will work with Kirk/Johnathan from RVA Consulting to review them and prepare responses for you.

Kind regards,
Kaoru Yajima

From: [redacted]
Sent: March 9, 2022 4:17 PM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Cc: [redacted] <jkshabby@yahoo.com>; [redacted] and [redacted]
Subject: concerns about the New Dundee water supply system

Good morning Kaoru.

The concerns I had back in July 2021 have not fully been addressed , and I have more questions.

The concern for my well has me very worried, It appears from the picture of alternative 2 location, The building would be built on top of it You said you would provide alternative supply of water but did not say how.

The effect on the value of the farm also was not addressed.

The building appears to be very close to the barn and would block passage from the paddock to the rest of the barn yard.

Will this building effect the status of the farm agriculture use?

there be any restrictions for livestock in the future?

Will there be any run off water into the paddock as there was at one time?

Why is it necessary to purchase the land at this time when the building will not start for nine years?

What if we do not want to sell?

This has been our home for 68 years. Being able to have an income for me has been very important. When my husband died in 2001 my daughter and her husband moved here to help me with my handicapped son and the upkeep of the property so we could continue to live here. This is where we want to be. Any changes that would cause more cost for me would be unacceptable.

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May 11, 2022

[redacted]
New Dundee, ON
N0B 2E0

Dear [redacted]:

New Dundee Class EA Virtual Public Consultation Centre #3 Comments

Thank you again for taking the time to review PCC #3 materials and provide your comments. Public consultation is a key component of the Municipal Class Environmental Assessment process. Please see below for Region's responses to your comments submitted on March 9, 2022.

Existing Wells
As part of the project, Provincial well records for this area were obtained and there were no private wells identified within the proposed locations. The closest private well shown is to the east of the barn. If you have information on any additional wells, would you be able to share this with the project team?

The upgrades for the New Dundee Water Treatment building will address water quality (additional treatment) but the amount of water taken will remain the same. Therefore it is not anticipated that the private wells will be impacted with the operation of the new building.

However during construction, some dewatering may be necessary. Prior to any construction the Region will retain a licenced professional hydrogeologist to conduct tests to ensure measures are taken so that private wells are not impacted during construction.

Property Value
The new treatment facility is being constructed to ensure that the Region of Waterloo maintains its goal of treating its drinking water to aesthetic objective levels. The construction is not expected to affect the surrounding property values and

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improvements to the aesthetics to the existing facility, including a new façade and an attempt to relocate the existing generator, will also be included as part of the upgrades.

Property Setbacks
The footprint of the building shown in the consultation material is considered conceptual and takes into account conservative assumptions including property setbacks. The Region will work with Township staff and identify if setback requirements can be lessened, which would reduce the amount of additional property required. The Region is also committed to work on optimizing the building footprint and orientation during the design phases to lessen these impacts.

Effect On the Status of The Farm Agriculture Use and Restrictions for Livestock in the Future
The new building will not cause any change to land use, nor create any restrictions to the surrounding property.

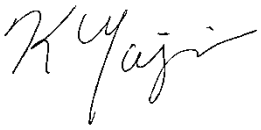
Water Runoff
Neighbouring properties will not suffer from water running off from the driveway. The design of the upgrades will ensure that no additional runoff will occur off the existing site.

Purchase of Land
Where land acquisition is required, the Region would like to start these discussions early in order to have these details finalized before proceeding with detailed design, which typically starts 2-3 years ahead of construction. The Region's preferred approach is to work with the landowner to negotiate an agreement that is agreeable to all parties involved. This could include the timing of the transfer of the property.

[redacted] thank you for your continued comments throughout this Class EA. We look forward to discussing these comments further if you wish. Please contact me at this email or by phone (226-753-0065)

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Sincerely,



Kaoru Yajima, P.Eng
Transportation and Environmental Services, Water Services, Region of Waterloo
KYajima@regionofwaterloo.ca
phone: (226) 753-0065

c Kirk Worounig, Project Manager, R.V. Anderson Associates Limited
Jonathan Rudyk, Project Coordinator, R.V. Anderson Associates Limited

Frank Fei Feng

From: Kaoru Yajima
Sent: March 22, 2022 10:14 AM
To: Jonathan Rudyk
Subject: FW: Please send me updates on water treatment plant in new dundee

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

From: [redacted]
Sent: March 14, 2022 9:22 PM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Subject: Please send me updates on water treatment plant in new dundee

Also, can we please have a public consultation meeting for the above project.

The residents of New Dundee need to have a say on this project and can only do this effectively in a public forum.

COVID restrictions are being removed so there is no reason why we can not do this.

Thank you
[redacted]

[redacted]

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May 11, 2022

[redacted]
New Dundee
[redacted]

Dear [redacted]

New Dundee Water Supply Upgrades Municipal Class EA: Responses to your Comments on Virtual Public Consultation Centre #3

Thanks once again for submitting comments on the New Dundee Class EA.

Now that the commenting period has closed for the virtual public consultation center #3, I wanted to respond to your comment below.

Public In-Person Meeting for the Project

Virtual meetings offer opportunities to reach a greater audience, but we do recognize that some residents prefer a face to face experience. As the Region's project manager on this project, I will reach out to area residents to offer one-on-one phone or online virtual meeting, for those who would like to learn more about the project, ask their questions and discuss their issues in more detail.

Please let me know if you would like to meet one on one or virtually to discuss the projects further; I would be happy to set up a time that works.

Sincerely,

Kaoru Yajima, P.Eng
Transportation and Environmental Services, Water Services, Region of Waterloo
KYajima@regionofwaterloo.ca
phone: (226) 753-0065

4034702

Frank Fei Feng

From: Jonathan Rudyk
Sent: April 7, 2022 8:58 AM
To: Frank Fei Feng
Subject: FW: New Dundee Water Supply Project

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: April 7, 2022 7:35 AM
To: '[redacted]' [redacted]
Cc: Kirk Worounig <kworounig@RVAnderson.com>; Jonathan Rudyk <JRudyk@rvanderson.com>
Subject: RE: New Dundee Water Supply Project

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hello [redacted],

I confirm receipt of your comments and I will share them with the project team to be included formally in the project documentation.

We will review and get responses back to you.

I thank you for the submittal.

Kaoru Yajima,
Region of Waterloo

From: [redacted]
Sent: April 6, 2022 8:42 PM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Subject: New Dundee Water Supply Project

Hi Kaoru, I wanted to make some further comments regarding the proposed water treatment facility in New Dundee.

1. The size of the facility is quite large and will take up a lot of space. I noticed that in the images that the region posted, there will be an attempt to blend it in with the barn behind it. The issue I see with this is the current red brick building in front of it. If there is an attempt to make it more aesthetically pleasing then you need to go the full distance and replace the red brick with the same facade. I have been in other more affluent areas and there has been a greater attempt to make those buildings blend into the surrounding areas. The region should be **equitable** with their decisions.

2. I did see in your response to one of our neighbour's comments that "a vacuum truck will be on site typically a maximum of once a month to remove solids from the holding tank". There were several

trucks at the current facility for 2 or 3 days this past winter. Some of the trucks were diesel and they were left running for a substantial amount of time as well as other trucks from the same company. We live directly across from the water facility and the diesel fumes wafted into our home. Is consideration being given to remove these vehicles from the road so they can access the holding tank from the laneway that is being created.

3. Approximately 8 years ago, there was construction of the current facility and a construction trailer was placed directly across from our driveway. It was there for over 2 years and the entire time the grass was not cut under the trailer and we had an increase of wildlife (raccoons, skunks and mice) in our front yard. Construction workers also chose to park on the road beside the trailer, making it difficult for us to get out of our driveway. At times, their trucks blocked part of our driveway. It got so bad that I was forced to call. I do not think that we should be put in that situation again, what guidelines will be given to the construction company that will be completing the work.

4. This is an area that often has several residents in New Dundee and others visiting and turning it into more of an eye sore. Several people stop to see the horses and enjoy the scenery. What kind of landscaping will be down to restore the natural beauty of the area

5. I am also wondering about noise from the facility. This is an important question that needs to be addressed and one that I have not seen discussed in previous questions.

6. The light at the front of the red brick building shines directly into our house after it was replaced with LED bulbs. The light was directed downwards but still is very bright into our living room and front door hallway. Can they put it on a sensor or remove it all together. There is a street light directly above the facility and it is illuminated even without the light on the building.

7. The generator is a major eye sore and looks like a construction site. Can it be placed behind the facility so it is not directly visible from the road

8. Can you keep the area accessible along the driveway so that people can see the horses at the farm and surrounding scenery. Many people in the community go to that area to view the horses. A chain link fence is not aesthetically pleasing (including the current fencing). The proposal looks like a huge building with the potential of an additional ugly chain link fence and reduced access to view the horses and scenery of the area.

Thank you for accepting these comments and your consideration.

[redacted]

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May 11, 2022

[redacted]
[redacted]
New Dundee, ON
N0B 2E0

Dear [redacted]:

New Dundee Water Supply Upgrades Municipal Class EA: Responses to your Comments on Virtual Public Consultation Centre #3

Thank you again for taking the time to review PCC #3 materials and provide your comments, public consultation is a key component of the Municipal Class Environmental Assessment process. Please see below for Region's responses to your comments submitted on April 6, 2022.

1. Alterations to Existing Building
Thank you for the suggestion. The Region will include improvements to the existing building façade as part of the upgrades. A conceptual rendering of what this could look like has been appended to this document.

2. Solids Hauling Trucks
Once the facility is operational, there will be truck haulage traffic. Based on our experience at existing, similarly sized facilities, this can be up to once a month however is **likely closer to roughly eight times a year.** There will be noise associated with the process and therefore it will be timed to occur during weekday business hours.

3. Construction Impact
Thank you for sharing your past experiences with previous construction in the area. As part of the Construction contract, the Region will require and enforce proper parking during construction to minimize disruptions and blockages of any residential driveways.

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4. Landscaping Design
The Region will retain a landscape architect for the preliminary and detailed design of the new facility, and a consultation will be held to review the landscaping plan with the community during detailed design.

5. Noise
During the operation of the facility, there will be truck haulage traffic. Based on our experience at existing, similarly sized facilities, this can be up to once a month however is likely closer to roughly eight times a year. There will be noise associated with the process and therefore it will be timed to occur during weekday business hours**.**

6. Light at the Front of Existing Building
Thank you for bringing this issue to our attention. We have made our operations staff aware of this and asked them to address the issue. A switch has been added so that it is turned on only when staff are present and lights are needed.

7. Generator Location
Thank you for the suggestion. Relocation of the generator will be included as part of the upgrades.

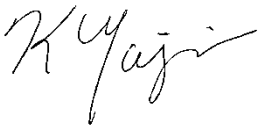
8. Fencing Design
Although not pictured in the rendering provided in Public Consultation Center #3, the site will be fenced in for security purposes in the preliminary and detailed design. The Region will retain a landscape architect for the preliminary and detailed design of the new facility, and a consultation centre will be held to review the landscaping plan, including fencing, with the community during detailed design

If you would like to discuss your comments further, please reach out to me to set up a virtual meeting or phone call: 226-753-0065

Thank you again for providing your comments throughout this Class EA process.

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Sincerely,



Kaoru Yajima, P.Eng
Transportation and Environmental Services, Water Services, Region of Waterloo
KYajima@regionofwaterloo.ca
phone: (226) 753-0065

c Kirk Worounig, Project Manager, R.V. Anderson Associates Limited
Jonathan Rudyk, Project Coordinator, R.V. Anderson Associates Limited



Draft rendering concept for New Dundee Water Treatment Plant

4034701

[redacted]

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: May 25, 2022 4:28 PM
To: Kirk Worounig <kworounig@RVAnderson.com>; Jonathan Rudyk <JRudyk@rvanderson.com>; Pam Law <PLaw@regionofwaterloo.ca>
Cc: Frank Fei Feng <ffeng@rvanderson.com>
Subject: New Dundee Class EA - [redacted]

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hi Everyone,

This afternoon, I rec'd a telephone call from [redacted] to the back of New Dundee WTP. Below are further explanations to her issues letter that was sent to her (attached).

Private Well

Her initial issue was concern over the impact to her private drinking well. We commented that our well records show a well to the east of the barn would not be affected. [redacted] clarified that is not their current well. Their current well is the white dot to the left of the blue box in our Alternative 1 sketch (below); she pointed out that in the Alternative 2 sketch, the proposed building is shown to bury the well.



RVA could you re-check the well inventory that you have to verify this is the case? Furthermore, please re-assess alternative 2 from this aspect and report if the position can be modified, as well as necessary mitigation measures. I would like to discuss once you have evaluated this.

Property Value

[redacted] stated that any impact to her property value must be differentiated from value of neighbouring properties.

I explained that as this was still a planning exercise, no decision has been made and no assessment of property values has been conducted. I followed with a general explanation of the process to acquire property which would be conducted through our Real Estate staff. I also mentioned that the Region desires to work with the land owner to come to a mutual solution.

Effect on Status of Agricultural Land Use

[redacted] explained that her property was 'grandfathered' as agricultural and livestock use - when new zoning was conducted many years ago, her land area actually fell short of the requirement of this land use. She wanted assurances that any land acquisition from our project doesn't trigger a separate land use.

I told her I think it didn't but I will contact planning to confirm.

Water Runoff

[redacted] explained that rain runoff to the street was not her concern.

She reports that water periodically 'gushes' from the water treatment plant. When this is done in the winter in particular, the water flows overland to the middle of her pasture and creates an ice pond which is a danger to her horses that still use the pasture in the winter.

I will check with Operations and if confirmed, will see if there are any solutions to prevent this.

[redacted]

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: August 23, 2022 9:26 AM
[redacted]
Cc: Kirk Worounig <kworounig@RVAnderson.com>; Jonathan Rudyk <JRudyk@rvanderson.com>
Subject: New Dundee Water Supply Class EA study - follow up on your comments

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Dear Beatrice,

Thank you for your call to me on May 25, 2022 to provide your comments on my letter to you on our virtual Public Consultation Center #3.

I am providing responses on the items we discussed below.

Regarding your private well:

I am appreciative to you for bringing to our attention the location of your private drinking water well in the context of the proposed Location 2. Generally speaking, when the Region impacts a drinking water source, the Region must provide for a new source, either through a new well or connection to the system, based on negotiations between the parties affected.

Since this study is still in the planning stages, we will clearly document the impact to your well, the need to carry out some hydrogeological investigation, and requirement to provide drinking water to your property based on further discussion, in our Final Report.

Regarding property impact:

As we talked over the phone, there is a clear difference on property impact between those neighbouring the proposed new building, and your property in which our building requires land acquisition. In these cases, the Region desires to work with the property owner to come to a mutual solution, which includes assessment of market value and compensation. As this project is still in the planning stage, no decision has been made yet. Should the proposed location 2 be selected, the Region's team will then contact you in the next stage to begin discussions on mutual way forward including compensation.

Regarding the land use designation:

In the phone call you expressed your concern over whether any land acquisition would change the land use zoning designation. I have contacted The Township's planning department and they (Andrew Martin) have confirmed that this project will not change the land use on your property. A copy of this email was forwarded to you previously.

Regarding water runoff:

In our call, you had mentioned that there was runoff onto your pasture fields. This is an issue related to our water treatment plant operations, thus your concerns have been communicated your our Water Operations Group and Hydrogeological and Source Water Protection Group. They responded that in the future, they will attempt to use the storm sewers. Please contact me if you notice this again and I will follow up with these groups with your concerns.

Regards,

Kaoru Yajima, P.Eng. (he/him)
Transportation and Environmental Services, Water Services
Region of Waterloo
150 Frederick Street, 7th Floor
Kitchener, Ontario, Canada N2G 4J3
tel: 1-519-575-4757 ext.3349



Question Regarding the Regional Municipality of Waterloo New Dundee Water Supply System – Iron and Manganese Upgrades - Virtual Public Consultation Centre #3

[redacted]

July 11, 2022

Dear Kaoru,

Thank you for your response dated May 11, 2022, to our comments and feedback. We have some further questions and comments.

Please note we live next door to the existing water station, directly beside proposed alternatives #1 and #2 and are therefore directly affected.

1) We have concerns around the privacy and security of our back yard which will now be fully exposed to the front of the new building and to the end of the new driveway that is planned.

   You mention in your response that the site will be fenced in for security purposes although it is not shown on the drawing. Will this fence be around only the new building with the driveway left open or will the fence come all the way to the road (Alderview Dr.) at the front, between our property at [redacted] and site #1?

2) We had stated in the feedback that "Site #1 and #2 will significantly devalue our property at [redacted] While we appreciate that your answers given on May 11th point out the new building is being designed to fit into the surrounding farm landscape and the existing building will have a new façade, this does not address the issue of our property now being "boxed in" on the side and the back yard being closed off and positioned at the front of the building with all the activity that goes on. There are continually people coming and going from the existing water building every day, often multiple times per day, and this will now be occurring on top of our back yard.

   Having a fence along the edge of our property, which is needed for security, and the new proposed driveway and building will change the openness of our property, making it effectively look and feel much smaller, and along with the traffic and noise will most certainly lower the value of our property. This needs to be addressed by the region.

   Let me remind you again of the view shown below between our property at [redacted] and the affected sites – see below.



View that is blocked and affected by Site #1 and #2 affecting 182 Alderview Dr.

3) We had made a suggestion at the end of our comments for stage 3 that was perhaps missed by your review as we did not receive any answers concerning it. I have copied it here again for your review. Please let me know if it requires further explanation if it is not clear.

> ***Suggestion:***
> *I strongly suggest if the building is to be located at site #2, the driveway come in from Alderview Dr. at the south end of the Water Station and run along behind to the new building with the solids tank located at the other end of the building from where it is shown now. So, the driveway as shown in site #4 could be extended around behind the Water Station to the building.*
>
> *This results in no building blocking the view from Alderview Dr. at site #4, only the driveway would be there. The advantage is the trucks would not be running directly beside a residence as it is now for sites #1 and #2, resulting in <u>reduced direct impact</u> of disruptions on residences.*

Please let us know if this has been considered. I have attached a rough sketch below, showing the repositioned driveway in yellow.

Again, the advantage of this is, at very little extra cost, would be no noisy trucks backing up and no noisy pumping right in a resident's backyard.



Please let us know if this has been considered. I have attached a rough sketch below, showing the repositioned driveway in yellow.

[redacted]

[redacted]

From: Kaoru Yajima <KYajima@regionofwaterloo.ca>
Sent: August 22, 2022 4:28 PM
To: [redacted]
Cc: Kirk Worounig <kworounig@RVAnderson.com>; Jonathan Rudyk <JRudyk@rvanderson.com>
Subject: RE: New Dundee Water Supply Class EA - response to your comments

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

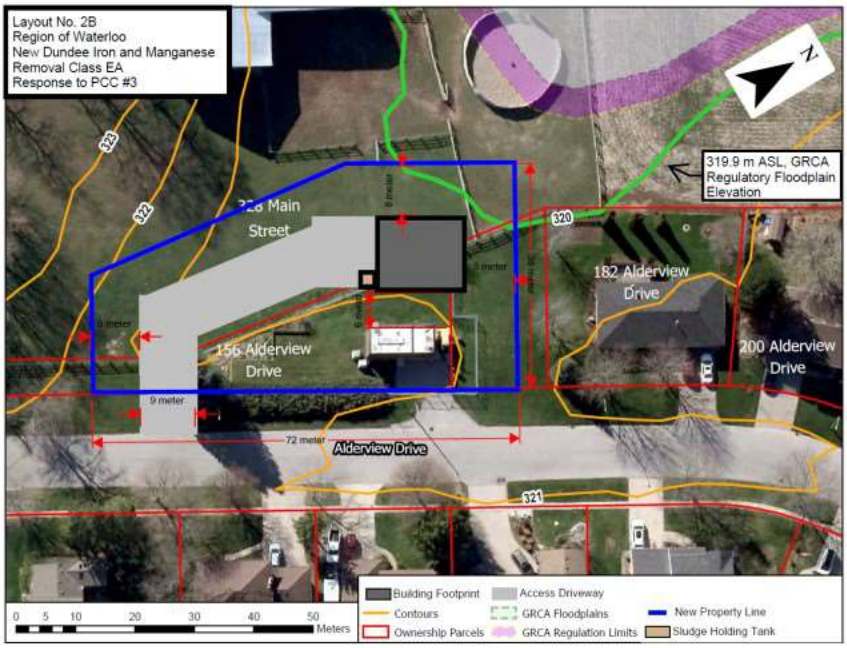
[redacted]

I want to thank you for providing the additional comments/questions in your email dated July 11, 2022, and for taking time to talk to me on the phone the day after.

I am providing responses to your questions in 1) and 3) below.

1) Regarding the fencing, we discussed on the phone that it will be around the entire property. As for the type of fence, I think we decided there were merits to both a transparent fence and non-transparent fence and that we decided that the type could be decided upon during the next phase of design. At this point, we will document this requirement to consult in the Final Class EA report so that it is carried into the next phase of the project.

3) Regarding the consideration of the driveway alignment along the opposite side of the building of site location 2, the team created the following sketch and carried out an additional evaluation of this possibility, naming it Alternative 2B (larger sketch is attached):



The following is an evaluation of Alternative 2B using the same four categories of criteria:

Technical: Scored less than Alternative 2 because of the additional driveway and runoff requirements. The revised layout requires approximately 50% more land acquisition.
Natural Heritage: Scored the same as other locations as the issues regarding impact to environmental features would be identical (ignoring the longer paved area which contributes to more climate change and runoff impact).
Social: From aspect of impact to neighbours, it remains the same as Alternative 2 because while the driveway would be removed from one property owner's area, it would impede other residents on the street who face the WTP. Overall though, Alternative 2B scores less because cultural heritage experts have noted that view to the farmscape from the corner of Main St. and Alderview Drive is important. Additionally, the required fencing and driveway setbacks would increase the impact on the operations and pastureland of the farm on 328 Main St.
Financial: Alternative 2B would be similar in cost to the other three alternatives.

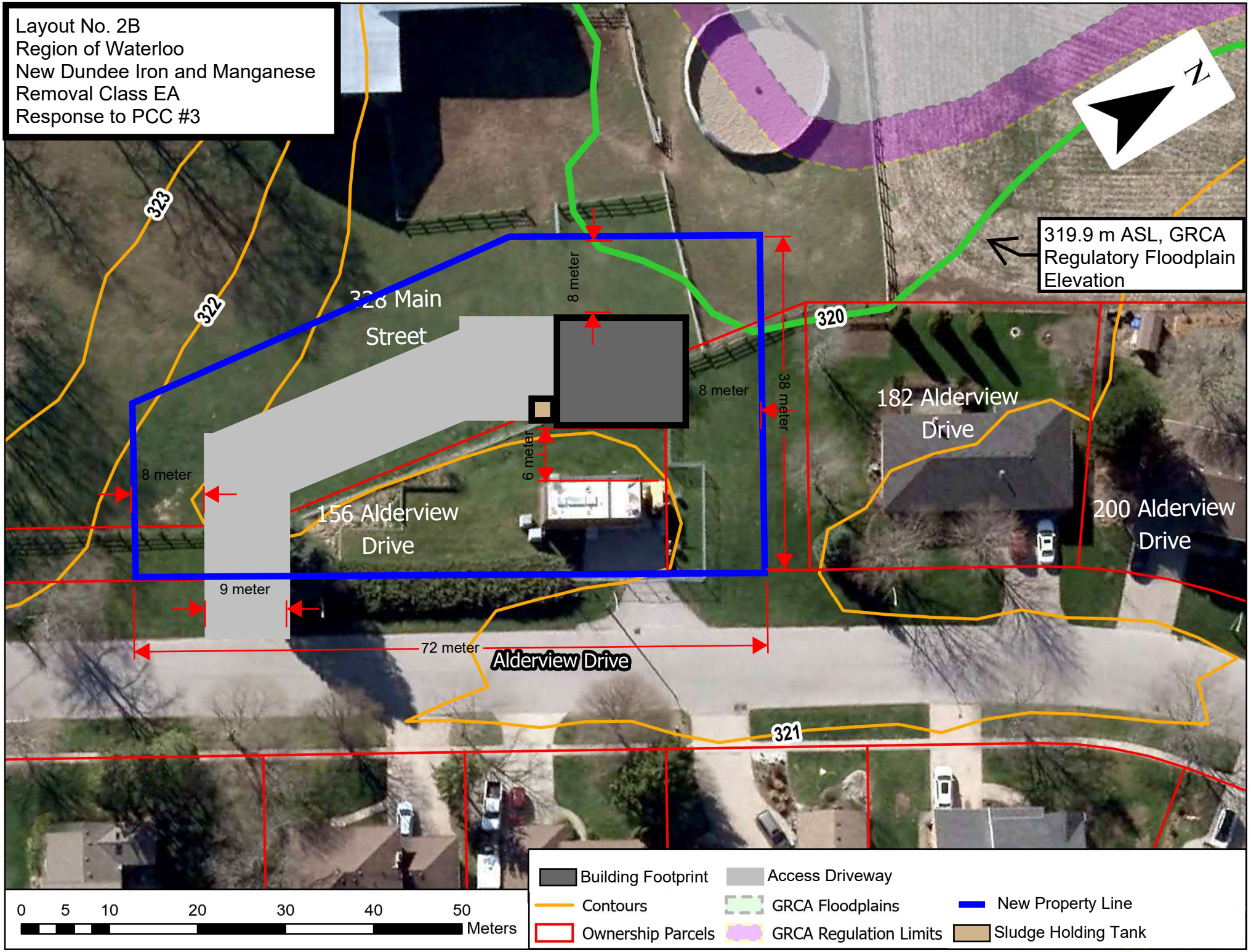
Overall, Alternative 2B scores lower than the proposed Alternative 2.

If you have any questions on the above, please don't hesitate to give me a call.

Regards
Kaoru Yajima

226-753-0065

[redacted]


Layout No. 2B
Region of Waterloo
New Dundee Iron and Manganese
Removal Class EA
Response to PCC #3
N
319.9 m ASL, GRCA
Regulatory Floodplain
Elevation
323
322
320
321
328 Main
Street
8 meter
8 meter
38 meter
6 meter
8 meter
9 meter
72 meter
156 Alderview
Drive
182 Alderview
Drive
200 Alderview
Drive
Alderview Drive
0 5 10 20 30 40 50
Meters
Building Footprint
Access Driveway
Contours
GRCA Floodplains
New Property Line
Ownership Parcels
GRCA Regulation Limits
Sludge Holding Tank

Frank Fei Feng

From: Harvey, Joseph (MCM) <Joseph.Harvey@ontario.ca>
Sent: November 8, 2022 2:23 PM
To: Jonathan Rudyk
Cc: Barboza, Karla (MCM); Badali, Mark (MECP); Kirk Worounig; Kaoru Yajima; Frank Fei Feng
Subject: FW: 194591 - New Dundee Schedule C Class EA Draft ESR for MHSTCI Review
Attachments: 2022-11-08_NewDundeeWater-Draft-ESR-MCM-Comments.pdf

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Jonathan Rudyk,

Please find attached, our comments on the ESR prepared in support of the above referenced undertaking.

Please note that the responsibility for administration of the Ontario Heritage Act and matters related to cultural heritage recently transferred from the Ministry of Tourism, Culture and Sport (MTCS) to the Ministry of Citizenship and Multiculturalism (MCM). Individual staff roles and contact information remain unchanged. Please continue to send any notices, report and/or documentation to both Karla Barboza and myself.

Please do not hesitate to contact me with any questions or concerns.

Regards,

Joseph Harvey | Heritage Planner
Inclusion and Heritage Division | Heritage Branch | Heritage Planning Unit
Ministry of Citizenship and Multiculturalism
613.242.3743
Joseph.Harvey@ontario.ca

From: Jonathan Rudyk <JRudyk@rvanderson.com>
Sent: October-12-22 5:23 PM
To: Barboza, Karla (MTCS) <Karla.Barboza@ontario.ca>
Cc: Kirk Worounig <kworounig@RVAnderson.com>; Kaoru Yajima <KYajima@regionofwaterloo.ca>; Frank Fei Feng <ffeng@rvanderson.com>
Subject: RE: 194591 - New Dundee Schedule C Class EA Draft ESR for MHSTCI Review

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Hi Karla,

Further to my email below, I will be sending you a draft of the ESR and appendices to you shortly. The file will come through in a Newforma File Exchange link, please confirm when you have downloaded the files. We are aiming to have comments back from the MECP and MTCS by Monday November 14th, 2022. Let me know if you can accommodate this in your schedule.

Thanks,

Jonathan Rudyk, P.Eng (he/him)
PROCESS ENGINEER
t 416 497 8600 ext. 1497 | m 416 802 5048
a 2001 Sheppard Avenue East, Suite 300, Toronto, ON M2J 4Z8
rvanderson.com

Ministry of Citizenship and Multiculturalism

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Ontario

November 8, 2022 EMAIL ONLY

Jonathan Rudyk, P. Eng
Process Engineer
R.V. Anderson Associates Ltd.
2001 Sheppard Avenue East, Suite 300,
Toronto, ON M2J 4Z8
JRudyk@rvanderson.com

MCM File	**:**	**0012287**
Proponent	**:**	**Region of Waterloo**
Subject	**:**	**Municipal Class Environmental Assessment - Schedule C – Draft Environmental Study Report (ESR)**
Project	**:**	**New Dundee Water Supply System – Iron and Manganese Upgrades**
Location	**:**	**Community of New Dundee, Township of Wilmot, Region of Waterloo**

Dear Jonathan Rudyk:

Thank you for providing us with the above referenced notice and Draft Environmental Study Report (ESR) (dated October 12, 2022 and prepared by R.V. Anderson Associates Ltd.) in support of the Environmental Assessment (EA) Study for the New Dundee Water Supply System – Iron and Manganese Upgrades.

Please note that the responsibility for administration of the *Ontario Heritage Act* and matters related to cultural heritage recently transferred from the Ministry of Tourism, Culture and Sport (MTCS) to the Ministry of Citizenship and Multiculturalism (MCM). Individual staff roles and contact information remain unchanged. Please continue to send any notices, report and/or documentation to both Karla Barboza and myself.

MCM's interest in this Environmental Assessment (EA) project relates to its mandate of conserving Ontario's cultural heritage. Under the EA process, the proponent is required to determine a project's potential impact on known (previously recognized) and potential cultural heritage resources.

Project Summary
The Region of Waterloo has embarked upon a Class Environmental Assessment (Class EA) for the New Dundee Water Supply System in the Community of New Dundee, in the Township of Wilmot, in accordance with the requirements of a Schedule C Municipal Class Environmental Assessment which is an approved process under the Ontario *Environmental Assessment Act*.

Project Comments

We have reviewed the above referenced Environmental Study Report and have a couple of observations and comments:

- Archaeological Assessment – A Stage 1 archaeological assessment (AA) and report (under Project Information Form (PIF) P1059-0066-2020 and include in Appendix H), has been entered into the Ontario Public Register of Archaeological Reports recommending Stage 2 AA for portions of the study area.

  Please note archaeological concerns have not been addressed until reports have been entered into the Ontario Public Register of Archaeological Reports where those reports recommend that:
  1. the archaeological assessment of the project area is complete and
  2. all archaeological sites identified by the assessment are either of no further cultural heritage value or interest (as per Section 48(3) of the *Ontario Heritage Act*) or that mitigation of impacts has been accomplished through an avoidance and protection strategy.

  We recommend a Stage 2 archaeological assessment and any further recommended assessment (e.g., Stage 3 and 4) be completed as early as possible in the detailed design phase and prior to any ground disturbing activities.

  Approval authorities (such as the municipality or the Ministry of the Environment, Conservation and Parks - MECP) typically wait to receive the ministry's review letter for an archaeological assessment report before issuing a decision on the application as it can be used, for example, to document that due diligence has been undertaken.

- Cultural Heritage Evaluation Report dated July 2022 and prepared by Parslow Heritage Consultancy Inc. included as Appendix I - As the property at 328 Main Street was found to meet the criteria for determining cultural heritage value or interest (CHVI) under O. Reg. 9/06, this document should include a draft or proposed statement of cultural heritage value or interest. This will also assist in better understanding and describing the impacts to the property's heritage attributes and cultural heritage value or interest. The ESR's assessment of impacts to the preferred alternatives should account for the new statement of CHVI.

  Since the property is determined to be of cultural heritage value or interest and development is proposed, we recommend a Heritage Impact Assessment (HIA), prepared by a qualified consultant as a separate report, be completed to assess potential project impacts. The recommendation of the HIA should inform the ESR's evaluation of alternatives.

  Please send the HIA to MCM for review and comment and make it available to local organizations or individuals who have expressed an interest in review.

We attached two tables with detailed comments and recommendations to support documentation around cultural heritage due diligence.

Thank you for consulting MCM on this project. If you have any questions or require clarification, please do not hesitate to contact me.

Sincerely,

Joseph Harvey
Heritage Planner
Joseph.harvey@Ontario.ca

Copied to: Mark Badali, Environmental Resource Planner & EA Coordinator, MECP
Kirk Worounig, R.V. Anderson Associates Ltd.
Frank Fei Feng, R.V. Anderson Associates Ltd.
Kaoru Yajima, Region of Waterloo

It is the sole responsibility of proponents to ensure that any information and documentation submitted as part of their EA report or file is accurate. The Ministry of Citizenship and Multiculturalism (MCM) makes no representation or warranty as to the completeness, accuracy or quality of the any checklists, reports or supporting documentation submitted as part of the EA process, and in no way shall MCM be liable for any harm, damages, costs, expenses, losses, claims or actions that may result if any checklists, reports or supporting documents are discovered to be inaccurate, incomplete, misleading or fraudulent.

Should previously undocumented archaeological resources be discovered, they may be a new archaeological site and therefore subject to Section 48(1) of the *Ontario Heritage Act*. The proponent or person discovering the archaeological resources must cease alteration of the site immediately and engage a licensed consultant archaeologist to carry out an archaeological assessment, in compliance with Section 48(1) of the *Ontario Heritage Act*.

The *Funeral, Burial and Cremation Services Act, 2002, S.O. 2002, c.33* requires that any person discovering human remains must cease all activities immediately and notify the police or coroner. If the coroner does not suspect foul play in the disposition of the remains, in accordance with *Ontario Regulation 30/11* the coroner shall notify the Registrar, Ontario Ministry of Public and Business Service Delivery, which administers provisions of that Act related to burial sites. In situations where human remains are associated with archaeological resources, the Ministry of Citizenship and Multiculturalism should also be notified (at archaeology@ontario.ca) to ensure that the archaeological site is not subject to unlicensed alterations which would be a contravention of the *Ontario Heritage Act*.

Table 1 - Cultural Heritage Evaluation Report dated July 2022 and prepared by Parslow Heritage Consultancy Inc.			
Item	**Document Section**	**Given Text**	**MCM Comments**
1.	Throughout the Documentation	The Ministry of Tourism, Culture and Sport	The ministry/Ministers name should be revised from 'Ministry/Minister of Tourism, Culture and Sport' to the 'Ministry/Minister of Citizenship and Multiculturalism (MCM)'.
2.	3. (Introduction) p. 3	Parslow Heritage Consultancy, Inc. (PHC) was retained by the Region of Waterloo through R.V. Anderson Associates Limited to prepare a Cultural Heritage Evaluation Report (CHER) for the property located at 328 Main Street, New Dundee, Ontario (Map 1). The Proponent is undertaking the assessment as part of a Schedule 'C' Class Environmental Assessment (EA) in support of the forthcoming upgrades to the New Dundee water supply system located at 156 Alderview Drive, New Dundee, Township of Wilmot, Regional Municipality of Waterloo (the Project). …	In addition to the information currently provided, this section should be revised to include a brief overview of how and what research was undertaken and who was engaged and/or consulted in the process.
3.	4 (Legislation and Policy Context) p. 7	The following assessment reviews provincial and municipal legislation and policies designed to protect cultural heritage resources that may be affected by development in the Region of Waterloo and New Dundee. This CHER has been prepared to meet the terms of reference set forth by the OHA, the Planning Act, and Provincial Policy Statement, and the Municipal Class Environmental Assessment Manual. 4.1 Ontario Heritage Act 4.2 Planning Act 4.3 Provincial Policy Statement 4.4 Municipal Class Environmental Assessment (MCEA) Manual	The *Ontario Heritage Act* (OHA) is the primary legislation establishing a framework for policies and programs to conserve Ontario's heritage, but other acts, regulations and policies governing land use planning and resource development support heritage conservation. These include: o The *Planning Act*, which states that the "conservation of features of significant architectural, cultural, historical, archaeological or scientific interest" (cultural heritage resources) is a "matter of provincial interest". o The Provincial Policy Statement, issued under the Planning Act, links heritage conservation to long-term economic prosperity and requires municipalities and the Crown to conserve significant cultural heritage resources. o The *Environmental Assessment Act*, which defines "environment" to include cultural conditions that influence the life of humans or a community. Cultural heritage resources are important components of those cultural conditions.

Table 1 - Cultural Heritage Evaluation Report dated July 2022 and prepared by Parslow Heritage Consultancy Inc.			
Item	**Document Section**	**Given Text**	**MCM Comments**
			Please note that the definitions from the PPS 2020 take precedence over the MCEA Manual. Under the PPS the term "conservation" includes the identification, **protection,** management and use of built heritage resources, cultural heritage landscapes and archaeological resources in a manner that ensures their cultural heritage value or interest is retained. To align with PPS terminology paragraph 3 in section 4.3 should be revised in the following manner: "Section 2.6 of the PPS addresses the ~~protection and~~ conservation of cultural heritage and archaeological resources …"
4.	Description of property NEW Section	NA	A new section providing a description of the property should be included after section 4 of the CHER. This section should indicate whether there are any current heritage recognitions and whether the property is considered a single property, district, or part thereof, or a landscape. It is not clear whether there are any other potential or known built heritage resources or cultural heritage landscape within or adjacent to the study area. Relevant information currently included in sections 1, 3, 6.1, and 6.3 should be moved here.
5.	Community Engagement NEW Section	NA	A new section providing an overview of the community engagement undertaken for this study should be included prior to the evaluation of cultural heritage value or interest. This section should outline what, when and how community input was undertaken as part of the research methodology for the property. It should also outline the process used to determine the outcomes of the community input exercise(s) and describe the results. The draft CHER should be sent to local heritage organizations, such as the Region of Waterloo Heritage Planning Advisory Committee for review and comment. Other heritage stakeholders may also have an interest in reviewing this draft report and it is not clear if they have been identified.

Table 1 - Cultural Heritage Evaluation Report dated July 2022 and prepared by Parslow Heritage Consultancy Inc.			
Item	**Document Section**	**Given Text**	**MCM Comments**
6.	7.1 (Character Defining attributes) p. 29	Character Defining Attributes: • Massing of two-storey residential structure • Gable roof • Symmetrical façade • Entrance portico with upper balcony • Rectangular transom at front entrance • Returned eaves • Half round gable end window • Visual prominence from Main Street at intersection with Alderside Drive • Active agricultural property	This section should be removed as it is not clear how the listed items relate to the property's evaluation under O. Reg. 9/06 (*Ontario Heritage Act*). A description of heritage attributes is typically provided as part of the proposed statement of cultural heritage value or interest. Please see comment 8 below.
7.	7.2 (Cultural Heritage Value or Interest) p. 29 -30	See Table 2: Criteria for Determining CHVI … The MHSCTI Info Sheet #5 Heritage Impact Assessments and Conservation Plans was reviewed to further assess seven potential negative impacts on the property's CHVI arising from construction related to the Class EA for the adjacent property: ….	This should describe how the criteria, O. Reg. 9/06 (*Ontario Heritage Act*), was applied to determine the property's cultural heritage value and level of significance, if any. It should present a rationale supporting why each criterion was met or not met, and list the attributes that support or contribute to the property's cultural heritage value or interest, if any. We recommend that the third column comments in Table 2 be revised to expand on the rationale or justification. Additional information will be required to determine the proposed alterations impact on the CHVI of the property. We recommend a Heritage Impact Assessment (HIA), prepared by a qualified consultant, be completed to assess potential project impacts. At a minimum we recommend including graphics to support the conclusion that the project will not impact on the property at 328 Main Street in Appendix B.

Table 1 - Cultural Heritage Evaluation Report dated July 2022 and prepared by Parslow Heritage Consultancy Inc.			
Item	**Document Section**	**Given Text**	**MCM Comments**
8.	Draft Statement of Cultural Heritage Value NEW Section	N/A	A draft statement of cultural heritage value or interest (SCHVI) needs to be included. Please see guidance below: • Draft Statement of Cultural Heritage Value – A Statement of Cultural Heritage Value will be prepared when a property is determined to be of cultural heritage value or interest and will include: o Description of Property - briefly describes the property location so that the property can be readily ascertained. It includes the location of the property, the principal resources that form the property and any discernible boundaries. o Cultural Heritage Value or Interest – describes why the property is of cultural heritage value, explaining cultural meanings, associations, and connections the property holds for the community. It should reflect one or more of the criteria prescribed from Ontario Regulation 9/06. o Description of Heritage Attributes- a list of key attributes or elements that must be retained to conserve the cultural heritage value or interest. Please refer to the Ontario Heritage Tool Kit: Designating Heritage Properties Guide for guidance on how to draft Statements of Cultural Heritage Value. Other information should be included in an Appendix, if relevant, otherwise it should be deleted from the report.
9.	8. Conclusions and recommendations p. 32	Evaluation of 328 Main Street finds it to present with CHVI. Assessment of the proposed alterations to 156 Alderview Drive find that the proposed alterations will have no significant impacts on the identified CHVI of 328 Main Street. This CHER finds that while 328 Main Street does present with CHVI the proposed upgrades to the New Dundee water supply system will have no impact on the identified CHVI of 328 Main Street;	Please see comment 7 above. This section should be replaced with a brief summary outlining whether the information and evaluation against the criteria was sufficient to determine cultural heritage value or interest for the property and recommend next steps MCM recommends the following: 1. The CHER be sent for review and comment to the Region of Waterloo Heritage Planning and Advisory Committee and the Heritage Wilmot Advisory Committee, if it hasn't already been done. 2. The Final CHER will be deposited on xx

Table 1 - Cultural Heritage Evaluation Report dated July 2022 and prepared by Parslow Heritage Consultancy Inc.			
Item	**Document Section**	**Given Text**	**MCM Comments**
		as such no further cultural heritage assessments are recommended. The following recommendations are made: 1. The limits of 328 Main Street be identified on all construction documentation and formal no-go instructions be issued to all construction personnel for the 328 Main Street property. 2. The current design of the proposed upgrades be accepted and that any future design changes retain the proposed exterior finishes which are in keeping with and are supportive of the heritage character of 328 Main Street. A rendering of the proposed facility design is provided in Figure 26. 3. The Region of Waterloo accept the findings of this report and not require any further heritage evaluation of 328 Main Street as it pertains to the proposed upgrades to the New Dundee water supply system.	3. Given that the property was found to be of CHVI, an HIA will be undertaken by a qualified person during the EA process.

Table 2 - Environmental Study Report dated October 12, 2022 and prepared by R.V. Anderson Associates Ltd.)			
Item	**Document Section**	**Given Text**	**MCM Comments**
1.	Throughout the Documentation	The Ministry of Tourism, Culture and Sport	The ministry/Ministers name should be revised from 'Ministry/Minister of Tourism, Culture and Sport' to the 'Ministry/Minister of Citizenship and Multiculturalism (MCM)'.
2.	1.4.2 & 1.4.3 p. 19	**1.4.2 Stage 1 Archaeological Assessment (AA) (Archeoworks, May 2020)** The Stage 1 AA was completed in April and May 2020 by Archeoworks Inc., an archaeological and cultural heritage services consultant retained by RVA. The report analyzed the archaeological and cultural heritage potential of the Class EA Study Area and maps the locations of areas of archaeological or cultural significance. The report is prepared as part of the Class EA process, and is required to be submitted for concurrence with the Ministry of Heritage, Sport, Tourism, and Culture Industries (MHSTCI) prior to the completion of the EA. The full report is available in Appendix H. The completed Stage 1 AA was submitted to the MHSTCI and entered into the Ministry's registry on November 9, 2021. The community of New Dundee has several archaeologically and culturally significant features, and therefore contains archaeological potential. The study also identified locations that have low to no archaeological potential due to previous archaeological work, construction, or physiographic features and would therefore be exempt from additional assessments. The properties immediately to the northwest and northeast of the existing facility have been marked	Sections 1.4.2 and 1.4.3 address the cultural heritage environment. We recommend the following revisions to align these ESR sections with current legislation and terminology. **1.4.2 Cultural Heritage Environment** ~~(Stage 1 Archaeological Assessment (AA) (Archeoworks, May 2020))~~**:** <u>Cultural heritage resources include archaeological resources, built heritage resources and cultural heritage landscapes.</u> **1.4.2.1 Archaeological Resources** The Stage 1 AA was completed in April and May 2020 by Archeoworks Inc., an archaeological and cultural heritage services consultant retained by RVA. The report analyzed the archaeological ~~and cultural heritage~~ potential of the Class EA Study Area and maps the locations of areas of archaeological or cultural significance. ~~The report is prepared as part of the Class EA process, and is required to be submitted for concurrence with the Ministry of Heritage, Sport, Tourism, and Culture Industries (MHSTCI) prior to the completion of the EA.~~ The full report is available in Appendix H. The completed Stage 1 AA was submitted to the MHSTCI and entered into the Ministry's registry on November 9, 2021. ~~The community of New Dundee has several archaeologically and culturally significant features, and therefore contains archaeological potential. The study also identified locations that have low to no archaeological potential due to previous~~

Table 2 - Environmental Study Report dated October 12, 2022 and prepared by R.V. Anderson Associates Ltd.)			
Item	**Document Section**	**Given Text**	**MCM Comments**
		as requiring a Stage 2 AA, with test pit surveys being conducted at 5 m intervals. The farmland further to the north of the site has also been identified as requiring a Stage 2 AA, and because it is farmland, a field-walking survey is required. The findings of the Stage 1 Assessment show that any sites chosen will be subject to a Stage 2 AA. **1.4.3 Criteria for Evaluating Potential for Built Heritage Resources and Cultural Heritage Landscapes (Parslow Heritage Consultancy Inc, April 2022)** A Cultural Heritage Checklist was prepared in April 2022 by Parslow Heritage Consultancy Inc., a cultural heritage consultant retained by RVA. The checklist was completed as part of the Class EA process, and is required to be submitted for MHSTCI prior to the completion of the EA. The checklist was used to screen for known and potential cultural heritage resources, along with other considerations such as Indigenous Land use. The study area for the checklist included the New Dundee Water Supply Facility (current location and proposed building) and all properties immediately adjacent to the facility. The complete checklist is included in Appendix I. The checklist found no known cultural heritage resources or any special association with a historic event within the study area. The study area is also not considered a landmark or cultural landscape for the Indigenous communities. However, The checklist identified 328 Main St as a property with potential cultural heritage value or interest (CHVI) and	~~archaeological work, construction, or physiographic features and would therefore be exempt from additional assessments. The properties immediately to the northwest and northeast of the existing facility have been marked as requiring a Stage 2 AA, with test pit surveys being conducted at 5 m intervals. The farmland further to the north of the site has also been identified as requiring a Stage 2 AA, and because it is farmland, a field-walking survey is required. The findings of the Stage 1 Assessment show that any sites chosen will be subject to a Stage 2 AA.~~ [Then include the outcomes and recommendations of the report, as is in the Executive Summary – just copy and paste, don't summarize] A Stage 2 archaeological assessment and any further recommended assessment (e.g., Stage 3 and 4) will be completed as early as possible in the detailed design phase and prior to any ground disturbing activities. ~~1.4.3 (Criteria for Evaluating Potential for Built Heritage Resources and Cultural Heritage Landscapes (Parslow Heritage Consultancy Inc, April 2022))~~ **1.4.2.2 Built Heritage Resources and Cultural Heritage Landscapes** A Criteria for Evaluating Potential for Built Heritage Resources and Cultural Heritage Landscape was completed in April 2022 and documented by Parslow Heritage Consultancy Inc., a cultural heritage consultant retained by RVA. ~~The checklist was completed as part of the Class EA process, and is required to be submitted for MHSTCI prior to the completion of the EA.~~ The checklist was used to screen for known and potential cultural heritage resources, along with other considerations such as

Table 2 - Environmental Study Report dated October 12, 2022 and prepared by R.V. Anderson Associates Ltd.)			
Item	**Document Section**	**Given Text**	**MCM Comments**
		recommended a Cultural Heritage Evaluation for this property during the Class EA phase, if there are any changes in this area.	Indigenous Land use. The study area for the checklist included the New Dundee Water Supply Facility (current location and proposed building) and all properties immediately adjacent to the facility. The complete checklist is included in Appendix I. ~~The checklist found no known cultural heritage resources or any special association with a historic event within the study area. The study area is also not considered a landmark or cultural landscape for the Indigenous communities. However,~~ The checklist identified 328 Main St as a property with potential cultural heritage value or interest (CHVI) and recommended a Cultural Heritage Evaluation Report for this property during the Class EA phase, if there are any changes in this area. A Cultural Heritage Evaluation Report (CHER) (dated July 2022 and prepared by Parslow Heritage Consultancy Inc.) (See appendix I) determined the property to be of CHVI. A Heritage Impact Assessment (HIA) (dated x and prepared by X) was undertaken to identify potential impacts to the property's CHVI (see Appendix X). MCM may have additional comments on how cultural heritage due diligence for built heritage resources and cultural heritage landscapes has been addressed once it has reviewed the updated CHER and HIA.
3.	2.0 (Evaluation Methodology) "Social Criteria" p. 24	… . The social criteria used in the evaluation were as follows. The solution: • … • Protects cultural heritage features • Protects archaeological features …	We recommend the following revision to better align with the current terminology and our suggested revisions to section 1.4.2 of the ESR. … . The social criteria used in the evaluation were as follows. The solution: • … • ~~Protects cultural heritage features~~ Avoids impacts to (known and/or potential) built heritage resources and cultural heritage landscapes • ~~Protects archaeological features~~ Avoids impacts to archaeological resources and areas of archaeological potential

Table 2 - Environmental Study Report dated October 12, 2022 and prepared by R.V. Anderson Associates Ltd.)			
Item	**Document Section**	**Given Text**	**MCM Comments**
4.	3.0 (Development and Evaluation of Alternative Solutions) Tables; 3.4 and 3.11 p. 34, 45-65	Evaluation Category - Social Criteria - Protect Cultural Heritage Features - Protects Archaeological Features Table 3.4 Alternatives 5 and 7 • Treatment technology may impact existing archaeological features. • An archaeological assessment will be completed in the EA/Design phase to determine if archaeological impacts will be affected. Table 3.11 Alternative B • Cultural Heritage features have a greater risk of being impacted by this residual management strategy. • Archaeological features have a greater risk of being impacted by this residual management strategy. • An archaeological assessment will be completed in the EA/Design phase to determine if archaeological impacts will be affected. Due to length of forcemain, additional area will need to be captured Alternative C • Cultural Heritage features will not be impacted by the residual management strategy.	We recommend the following revisions to better align with the current terminology and our suggested revisions above. Evaluation Category - Social Criteria - ~~Protects cultural heritage features~~ Avoids impacts to (known and/or potential) built heritage resources and cultural heritage landscapes - ~~Protects archaeological features~~ Avoids impacts to archaeological resources and areas of archaeological potential Table 3.4 Alternative 5 and 7 - Built Heritage Resources and Cultural Heritage Landscapes ~~features~~ will not be impacted by the treatment technology. - Treatment technology may impact ~~existing~~ archaeological resources ~~features.~~ - A Stage 2 archaeological assessment and any further recommended assessment (e.g., Stage 3 and 4) be completed as early as possible in the detailed design phase and prior to any ground disturbing activities. Table 3.11 Alternative B • Built Heritage Resources and Cultural Heritage Landscapes ~~features~~ have a greater risk of being impacted by this residual management strategy.

Table 2 - Environmental Study Report dated October 12, 2022 and prepared by R.V. Anderson Associates Ltd.)			
Item	**Document Section**	**Given Text**	**MCM Comments**
		• Residual management strategy may impact existing archaeological features. • An archaeological assessment will be completed in the EA/Design phase to determine if archaeological impacts will be affected.	• Archaeological resources ~~features~~ have a greater risk of being impacted by this residual management strategy. • A Stage 2 archaeological assessment and any further recommended assessment (e.g., Stage 3 and 4) be completed as early as possible in the detailed design phase and prior to any ground disturbing activities. Due to length of forcemain, additional area will need to be captured. A Stage 1 AA is required for all previously unassessed lands. Alternative C • Built Heritage Resources and Cultural Heritage landscapes ~~features~~ will not be impacted by the residual management strategy. • Residual management strategy may impact existing archaeological resources ~~features~~. • A Stage 2 archaeological assessment and any further recommended assessment (e.g., Stage 3 and 4) be completed as early as possible in the detailed design phase and prior to any ground disturbing activities. Please note that this section will need to be updated to reflect the recommended revisions to the Cultural Heritage Evaluation Report and the Heritage Impact Assessment completed for 328 main street.
5.	4.3.2 and 4.3.3 p. 54	Stage 1 Archaeological Assessment … Cultural Heritage Checklist and Evaluation Report …	This section appears to reiterate information already provided in ESR section 1.4.2. Please see comment 2 above.

Table 2 - Environmental Study Report dated October 12, 2022 and prepared by R.V. Anderson Associates Ltd.)			
Item	**Document Section**	**Given Text**	**MCM Comments**
6.	Table 4.3 (Evaluation of Location Alternatives - Social Category) p. 59-60	Evaluation Category - Social Criteria - Protect Cultural Heritage Features - Protects Archaeological Feature Location 1 and 2 - Location encroaches upon a possible future Cultural Heritage Landscape (CHL), and blocks line-of-sight to the possible future CHL from Alderview Drive. - Location has archeological potential Location 3 - Location encroaches upon a possible future Cultural Heritage Landscape (CHL), and greatly blocks line-of-sight to the possible future CHL from Alderview Drive and from Main Street. - Location has the greatest area of archaeological potential, due to the amount of property acquisition.	We recommend the following revisions to better align with the current terminology and our suggested revisions above. Evaluation Category - Social Criteria - ~~Protects cultural heritage features~~ Avoids impacts to (known and/or potential) built heritage resources and cultural heritage landscapes - ~~Protects archaeological features~~ Avoids impacts to archaeological resources and areas of archaeological potential In addition, the table appears to refer to 328 Main Street as a potential cultural heritage landscape. The status of the property as a cultural heritage landscape will need to be confirmed once a statement of CHVI is provided. In addition, this section will need to be updated to address any direct and indirect impacts to the property's CHVI articulated through a Heritage Impact Assessment. See comments on the CHER in Table 1 above.
7.	7.0 (Mitigation Measures) p. 85	Stage 2 Archeological Assessment Identifies Archeological Resources The Stage 2 Archeological Assessment should be conducted near the beginning of detailed design. In the case that archeological resources are found on the property, this will provide adequate time for a site-specific assessment and mitigation measures to be incorporated into the design. Local First Nations should also be contacted prior to the work occurring, to confirm their involvement in review of the report or field investigations. Cultural Heritage Resources Impacts	We recommend revising section 7 to the following: ~~Stage 2 Archeological Assessment Identifies~~ Archeological Resources ~~The Stage 2 Archeological Assessment should be conducted near the beginning of detailed design. In the case that archeological resources are found on the property, this will provide adequate time for a site-specific assessment and mitigation measures to be incorporated into the design. Local First Nations should also be contacted prior to the work occurring, to confirm their involvement in review of the report or field investigations~~ A licensed archaeologist should undertake a Stage 2 archaeological assessment and any further recommended archaeological assessments

Table 2 - Environmental Study Report dated October 12, 2022 and prepared by R.V. Anderson Associates Ltd.)			
Item	**Document Section**	**Given Text**	**MCM Comments**
		Cultural Heritage resources were identified at the property adjacent to the existing site (more details included in Section 4.3.4). Recommendations have been provided in that Section which will be adhered to, and no further work is recommended for the area.	(e.g., Stage 3,4) as early as possible during detailed design and prior to any ground disturbing activities. Where archaeological resources are impacted by EA project work, MCM will be notified by contacting archaeology@ontario.ca. All activities impacting archaeological resources must cease immediately, and a licensed archaeologist is required to carry out an archaeological assessment in accordance with the *Ontario Heritage Act* and the Standards and Guidelines for Consultant Archaeologists. If human remains are encountered, all activities must cease immediately, and the local police and coroner must be contacted. In situations where human remains are associated with archaeological resources, MCM should also be notified (at archaeology@ontario.ca) to ensure that the site is not subject to unlicensed alterations which would be a contravention of the *Ontario Heritage Act*. Built heritage Resources and Cultural Heritage Landscape ~~Resources~~ Impacts ~~Cultural Heritage resources were identified at the property adjacent to the existing site (more details included in Section 4.3.4). Recommendations have been provided in that Section which will be adhered to, and no further work is recommended for the area.~~ [Include the recommendations of the Heritage Impact Assessment – just copy and paste, don't summarize]

R.V. Anderson Associates Limited
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February 8, 2023 RVA 194591

Ministry of Citizenship and Multiculturalism
Heritage Branch
400 University Ave, 5th Floor
Toronto, ON
M7A 2E7

Attention: Joseph Harvey, Heritage Planner

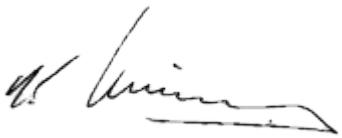
Re: New Dundee Water Supply Iron and Manganese Treatment Upgrades – Schedule C MCEA – Draft Environmental Study Report (ESR)

Dear Mr. Harvey,

Thank you for the provided comments on the Environmental Study Report (ESR) for the above referenced project. Please see our response to MCM's comments (provided on November 8, 2022) in the table.

Yours very truly,

R.V. ANDERSON ASSOCIATES LIMITED



Kirk Worounig, P. Eng., PMP
Project Manager

Copied to: Kaoru Yajima, Region of Waterloo Senior Engineer, and Project Manager
Jonathan Rudyk, Process Engineer, R.V. Anderson Associates Ltd.

Enclosed:

- Response Table

CANADA'S BEST MANAGED COMPANIES
Platinum member

Table 1 – Cultural Heritage Evaluation Report Response Table

Item No.	MCM Comment	RVA's Response
1	**Throughout the Documentation** The ministry/Ministers name should be revised from Ministry/Minister of Tourism, Culture and Sport' to the 'Ministry/Minister of Citizenship and Multiculturalism (MCM)'.	This has been revised throughout the document.
2	**3 (Introduction p. 3** In addition to the information currently provided, this section should be revised to include a brief overview of how and what research was undertaken and who was engaged and/or consulted in the process.	Additional verbiage has been added to Section 3 to address this comment.
3	**4 (Legislation and Policy Context)** The *Ontario Heritage Act* (OHA) is the primary legislation establishing a framework for policies and programs to conserve Ontario's heritage, but other acts, regulations and policies governing land use planning and resource development support heritage conservation. These include: • The *Planning Act,* which states that the "conservation of features of significant architectural, cultural, historical, archaeological or scientific interest (cultural heritage resources) is a matter of "provincial interest".	Section 4.3 has been revised accordingly.

	• The Provincial Policy Statement, issued under the Planning Act, links heritage conservation to long-term economic prosperity and requires municipalities and the Crown to conserve significant cultural heritage resources. • The *Environmental Assessment Act*, which defines "environment" to include cultural conditions that influence the life of humans or a community. Cultural heritage resources are important components of those cultural conditions. Please note that the definitions from the PPS 2020 take precedence over the MCEA Manual. Under the PPS the term "conservation" includes the identification, **protection**, management and use of built heritage resources, cultural heritage landscapes and archaeological resources in a manner that ensures their cultural heritage values or interest is retained. To align with PPS terminology paragraph 3 in Section 4.3 should be revised in the following manner: "Section 2.6 of the PPS addresses the ~~protection and~~ conservation of cultural heritage and archaeological resources …"	
4	**Description of Property – New Section** A new section providing a description of the property should be included after Section 4 of the CHER. This section should indicate whether there are any current heritage recognitions and whether the property is considered a single property, district, or part thereof, or a landscape. It is not clear whether there are any other potential or known built heritage resources or cultural heritage landscape within or adjacent to the study area. Relevant information currently included in sections 1, 3, 6.1, and 6.3 should be moved here.	**Section 5 Description of Property** has been added to the CHER to address this comment.

5	**Community Engagement – New Section**. A new section providing an overview of the community engagement undertaken for this study should be included prior to the evaluation of cultural heritage value or interest. This section should outline what, when and how community input wasundertaken as part of the research methodology for the property. It should also outline the process used to determine the outcomes of the community input exercise(s) and describe the results. The draft CHER should be sent to local heritage organizations, such as the Region of Waterloo Heritage Planning Advisory Committee for review and comment. Other heritage stakeholders may also have an interest in reviewing this draft report and it is not clear if they have been identified	**Section 10 Community Engagement** has been added to the CHER to address this comment, and the report will be circulated to the parties during the filing.
6	**7.1 (Character Defining attributes)** This section should be removed as it is not clear how the listed items relate to the property's evaluation under O. Reg. 9/06 (Ontario Heritage Act). A description of heritage attributes is typically provided as part of the proposed statement of cultural heritage value or interest. Please see comment 8 below.	This section has been removed in the CHER.
7	**7.2 (Cultural Heritage Value or Interest)** This should describe how the criteria, O. Reg. 9/06 (Ontario Heritage Act), was applied to determine the property's cultural heritage value and level of significance, if any. It should present a rationale supporting why each criterion was met or not met, and list the	Table 2 Column 3 has been expanded upon to address this comment. A Heritage Impact Assessment (HIA) will be undertaken by a qualified consultant during the detailed design phase of the

	attributes that support or contribute to the property's cultural heritage value or interest, if any. We recommend that the third column comments in Table 2 be revised to expand on the rationale or justification. Additional information will be required to determine the proposed alterations impact on the CHVI of the property. We recommend a Heritage Impact Assessment (HIA), prepared by a qualified consultant, be completed to assess potential project impacts. At a minimum we recommend including graphics to support the conclusion that the project will not impact on the property at 328 Main Street in Appendix B.	project, as the Class EA only conceptually establishes the façade and the general footprint of the building. Appendix B has the approximate site plan for the preferred alternative, Layout No. 2.
8	**Draft Statement of Cultural Heritage Value – New Section** A draft statement of cultural heritage value or interest (SCHVI) needs to be included. Please see guidance below: • Draft Statement of Cultural Heritage Value – A Statement of Cultural Heritage Value will be prepared when a property is determined to be of cultural heritage value or interest and will include: o Description of Property - briefly describes the property location so that the property can be readily ascertained. It includes the location of the property, the principal resources that form the property and any discernible boundaries. o Cultural Heritage Value or Interest – describes why the property is of cultural heritage value, explaining cultural meanings, associations, and connections the	**Section 9 Draft Statement of Cultural Heritage Value** has been added to the CHER.

	property holds for the community. It should reflect one or more of the criteria prescribed from Ontario Regulation 9/06. o Description of Heritage Attributes- a list of key attributes or elements that must be retained to conserve the cultural heritage value or interest. Please refer to the Ontario Heritage Tool Kit: Designating Heritage Properties Guide for guidance on how to draft Statements of Cultural Heritage Value. Other information should be included in an Appendix, if relevant, otherwise it should be deleted from the report.	
9	**8. Conclusions and Recommendations** Please see comment 7 above. This section should be replaced with a brief summary outlining whether the information and evaluation against the criteria was sufficient to determine cultural heritage value or interest for the property and recommend next steps MCM recommends the following: 1. The CHER be sent for review and comment to the Region of Waterloo Heritage Planning and Advisory Committee and the Heritage Wilmot Advisory Committee, if it hasn't already been done. 2. The Final CHER will be deposited on xx 3. Given that the property was found to be of CHVI, an HIA will be undertaken by a qualified person during the EA process.	Section 11 Conclusions and Recommendations has been revised to reflect the MCM's comment, except for point 3. The HIA will be completed by a qualified consultant during a the detailed design phase of the project, as the EA will only conceptually establish the façade and the general footprint. The HIA is to be undertaken once the site plan and the building design have been defined during detailed design.

Table 2 – Environmental Study Report Response Table

Item No.	MHSTCI Comment	RVA's Response
1	**Throughout the Documentation** The ministry/Ministers name should be revised from Ministry/Minister of Tourism, Culture and Sport' to the 'Ministry/Minister of Citizenship and Multiculturalism (MCM)'.	This has been revised throughout the ESR, but not throughout the appendices which include finalized technical memoranda.
2	**Document Section: 1.4.2 & 1.4.3 p. 19** Sections 1.4.2 and 1.4.3 address the cultural heritage environment. We recommend the following revisions to align these ESR sections with current legislation and terminology. **1.4.2 Cultural Heritage Environment** ~~(Stage 1 Archaeological Assessment (AA) (Archeoworks, May 2020))~~: <u>Cultural heritage resources include archaeological resources, built heritage resources and cultural heritage landscapes.</u> **1.4.2.1 Archaeological Resources** The Stage 1 AA was completed in April and May 2020 by Archeoworks Inc., an archaeological and cultural heritage services consultant retained by RVA. The report analyzed the archaeological ~~and cultural heritage~~ potential of the Class EA Study Area and maps the locations of areas of archaeological or cultural significance. ~~The report is prepared as part of the Class EA process, and is required to be submitted for concurrence with the Ministry of Heritage, Sport, Tourism,~~	These comments have been noted and addressed as follows: • Section 1.4.2 has been revised accordingly. • Section 1.4.2.1 has been revised accordingly. • Section 1.4.2.2 has been revised accordingly, with the exception of the HIA verbiage. An HIA will be completed at the detailed design stage, as previously mentioned in Table 1 comment 7 of this response letter.

	~~and Culture Industries (MHSTCI) prior to the completion of the EA.~~ The full report is available in Appendix H. The completed Stage 1 AA was submitted to the MHSTCI and entered into the Ministry's registry on November 9, 2021. ~~The community of New Dundee has several archaeologically and culturally significant features, and therefore contains archaeological potential. The study also identified locations that have low to no archaeological potential due to previous archaeological work, construction, or physiographic features and would therefore be exempt from additional assessments. The properties immediately to the northwest and northeast of the existing facility have been marked as requiring a Stage 2 AA, with test pit surveys being conducted at 5 m intervals. The farmland further to the north of the site has also been identified as requiring a Stage 2 AA, and because it is farmland, a field-walking survey is required. The findings of the Stage 1 Assessment show that any sites chosen will be subject to a Stage 2 AA.~~ [Then include the outcomes and recommendations of the report, as is in the Executive Summary – just copy and paste, don't summarize] <u>A Stage 2 archaeological assessment and any further recommended assessment (e.g., Stage 3 and 4) will be completed as early as possible in the detailed design phase and prior to any ground disturbing activities.</u>	

	~~1.4.3 (Criteria for Evaluating Potential for Built Heritage Resources and Cultural Heritage Landscapes (Parslow Heritage Consultancy Inc, April 2022))~~ **1.4.2.2 Built Heritage Resources and Cultural Heritage Landscapes** A Criteria for Evaluating Potential for Built Heritage Resources and Cultural Heritage Landscape was completed in April 2022 and documented by Parslow Heritage Consultancy Inc., a cultural heritage consultant retained by RVA. ~~The checklist was completed as part of the Class EA process, and is required to be submitted for MHSTCI prior to the completion of the EA.~~ The checklist was used to screen for known and potential cultural heritage resources, along with other considerations such as the New Dundee Water Supply Facility (current location and proposed building) and all properties immediately adjacent to the facility. The complete checklist is included in Appendix I. ~~The checklist found no known cultural heritage resources or any special association with a historic event within the study area. The study area is also not considered a landmark or cultural landscape for the Indigenous communities. However,~~ The checklist identified 328 Main St as a property with potential cultural heritage value or interest (CHVI) and recommended a Cultural Heritage Evaluation Report for this property during the Class EA phase, if there are any changes in this area. A Cultural Heritage Evaluation Report (CHER) (dated July 2022 and prepared by Parslow Heritage Consultancy Inc.) (See appendix I) determined the property to be of CHVI. A Heritage Impact Assessment (HIA) (dated x and prepared by	

	X) was undertaken to identify potential impacts to the property's CHVI (see Appendix X). MCM may have additional comments on how cultural heritage due diligence for built heritage resources and cultural heritage landscapes has been addressed once it has reviewed the updated CHER and HIA.	
3	**Document Section: 2.0 (Evaluation Methodology) "Social Criteria" p. 24** We recommend the following revision to better align with the current terminology and our suggested revisions to section 1.4.2 of the ESR. … . The social criteria used in the evaluation were as follows. The solution: • … • ~~Protects cultural heritage features~~ Avoids impacts to (known and/or potential) built heritage resources and cultural heritage landscapes • ~~Protects archaeological features~~ Avoids impacts to archaeological resources and areas of archaeological potential	Noted. The recommended revisions have been captured in the Section 2.0 of the ESR. No changes were made to the supporting technical memoranda.
4	**Document Section: 3.0 (Development and Evaluation of Alternative Solutions) Tables; 3.4 and 3.11 p. 34, 45-65** We recommend the following revisions to better align with the current terminology and our suggested revisions above.	Noted. The recommended revisions have been captured in Table 3.4 and 3.11 in the ESR. No changes were made to the supporting technical memoranda.

	Evaluation Category - Social Criteria - ~~Protects cultural heritage features~~ Avoids impacts to (known and/or potential) built heritage resources and cultural heritage landscapes - ~~Protects archaeological features~~ Avoids impacts to archaeological resources and areas of archaeological potential Table 3.4 Alternative 5 and 7 - Built Heritage Resources and Cultural Heritage Landscapes ~~features~~ will not be impacted by the treatment technology. - Treatment technology may impact ~~existing~~ archaeological resources ~~features~~. - A Stage 2 archaeological assessment and any further recommended assessment (e.g., Stage 3 and 4) be completed as early as possible in the detailed design phase and prior to any ground disturbing activities. Table 3.11 Alternative B	

	• Built Heritage Resources and Cultural Heritage Landscapes ~~features~~ have a greater risk of being impacted by this residual management strategy. • Archaeological resources ~~features~~ have a greater risk of being impacted by this residual management strategy. • A Stage 2 archaeological assessment and any further recommended assessment (e.g., Stage 3 and 4) be completed as early as possible in the detailed design phase and prior to any ground disturbing activities. Due to length of forcemain, additional area will need to be captured. A Stage 1 AA is required for all previously unassessed lands. Alternative C • Built Heritage Resources and Cultural Heritage landscapes ~~features~~ will not be impacted by the residual management strategy. • Residual management strategy may impact existing archaeological resources ~~features~~. • A Stage 2 archaeological assessment and any further recommended assessment (e.g., Stage 3 and 4) be completed as early as possible in the detailed design phase and prior to any ground disturbing activities. Please note that this section will need to be updated to reflect the recommended revisions to the Cultural Heritage Evaluation Report and the Heritage Impact Assessment completed for 328 main street.	

5	**Document Section: 4.3.2 and 4.3.3 p. 54** Stage 1 Archaeological Assessment … Cultural Heritage Checklist and Evaluation Report … This section appears to reiterate information already provided in ESR section 1.4.2. Please see comment 2 above.	Noted. The recommended revisions have been captured in the final ESR.
6	**Document Section: Table 4.3 (Evaluation of Location Alternatives - Social Category) p. 59-60** We recommend the following revisions to better align with the current terminology and our suggested revisions above. Evaluation Category - Social Criteria - ~~Protects cultural heritage features~~ Avoids impacts to (known and/or potential) built heritage resources and cultural heritage landscapes - ~~Protects archaeological features~~ Avoids impacts to archaeological resources and areas of archaeological potential In addition, the table appears to refer to 328 Main Street as a potential cultural heritage landscape. The status of the property as a cultural heritage landscape will need to be confirmed once a statement of CHVI is provided. In addition, this section will need to be updated to address any direct and indirect impacts to the	Noted. The recommended revisions have been captured in the final ESR. The evaluation table has included verbiage stating the findings of the CHER will require an HIA during detailed design

	property's CHVI articulated through a Heritage Impact Assessment. See comments on the CHER in Table 1 above.	
7	**Document Section; 7.0 (Mitigation Measures) p. 85** We recommend revising section 7 to the following: ~~Stage 2 Archeological Assessment Identifies~~ Archeological Resources ~~The Stage 2 Archeological Assessment should be conducted near the beginning of detailed design. In the case that archeological resources are found on the property, this will provide adequate time for a site-specific assessment and mitigation measures to be incorporated into the design. Local First Nations should also be contacted prior to the work occurring, to confirm their involvement in review of the report or field investigations~~ A licensed archaeologist should undertake a Stage 2 archaeological assessment and any further recommended archaeological assessments (e.g., Stage 3,4) as early as possible during detailed design and prior to any ground disturbing activities. Where archaeological resources are impacted by EA project work, MCM will be notified by contacting archaeology@ontario.ca. All activities impacting archaeological resources must cease immediately, and a licensed archaeologist is required to carry out an archaeological assessment in accordance with the Ontario Heritage Act and the Standards and Guidelines for Consultant Archaeologists.	Noted. The recommended revisions have been captured in the final ESR, with the exception of "Local First Nations should also be contacted prior to the work occurring, to confirm their involvement of the report or field investigations." A Heritage Impact Assessment (HIA) will be undertaken by a qualified consultant during the detailed design phase of the project, as the EA will only conceptually establish the façade and the general footprint.

	If human remains are encountered, all activities must cease immediately, and the local police and coroner must be contacted. In situations where human remains are associated with archaeological resources, MCM should also be notified (at archaeology@ontario.ca) to ensure that the site is not subject to unlicensed alterations which would be a contravention of the Ontario Heritage Act. Built heritage Resources and Cultural Heritage Landscape ~~Resources~~ Impacts ~~Cultural Heritage resources were identified at the property adjacent to the existing site (more details included in Section 4.3.4). Recommendations have been provided in that Section which will be adhered to, and no further work is recommended for the area.~~ [Include the recommendations of the Heritage Impact Assessment – just copy and paste, don't summarize]	

Frank Fei Feng

Subject: FW: 194591 - New Dundee Manganese Removal Class EA Draft ESR Notification
Attachments: MECP PRU Comments_New Dundee Water Treatment Plant_Regional of Waterloo.pdf

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From: Del Villar Cuicas, Joan (MECP) <Joan.DelVillarCuicas@ontario.ca>
Sent: November 8, 2022 3:43 PM
To: Jonathan Rudyk <JRudyk@rvanderson.com>; Kaoru Yajima <KYajima@regionofwaterloo.ca>
Subject: RE: 194591 - New Dundee Manganese Removal Class EA Draft ESR Notification

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Good afternoon,
Thank you for circulating the draft ESR for the Region's new Dundee Manganese Removal Municipal Class EA for our review. Please find attached MECP comments for your consideration.

Please let me know if you have any questions.

Regards,

Joan Del Villar Cuicas (she/her)
Regional Environmental Planner (A)
Project Review Unit | Environmental Assessment Branch
Ontario Ministry of the Environment, Conservation and Parks
Joan.delvillarcuicas@ontario.ca|Phone: 365-889-1180

From: Jonathan Rudyk <JRudyk@rvanderson.com>
Sent: Wednesday, October 12, 2022 5:04 PM
To: Del Villar Cuicas, Joan (MECP) <Joan.DelVillarCuicas@ontario.ca>
Cc: Kirk Worounig <kworounig@RVAnderson.com>; Kaoru Yajima <KYajima@regionofwaterloo.ca>; Frank Fei Feng <ffeng@rvanderson.com>
Subject: RE: 194591 - New Dundee Manganese Removal Class EA Draft ESR Notification

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Hi Joan,

FYI, further to my email below I will be sending the draft ESR and appendices for the MECP's review shortly via an Newforma File Exchange. Let me know when you have downloaded the files please. We would be hoping to have comments back on the draft review by Monday November 14th, let me know if this timeline is feasible for your team.

Thanks, and please look out for the file transfer that I will be sending out shortly.

Jonathan Rudyk, P.Eng (he/him)
PROCESS ENGINEER
t 416 497 8600 ext. 1497 | m 416 802 5048
a 2001 Sheppard Avenue East, Suite 300, Toronto, ON M2J 4Z8
rvanderson.com

From: Jonathan Rudyk
Sent: September 21, 2022 11:57 AM
To: Del Villar Cuicas, Joan (MECP) <Joan.DelVillarCuicas@ontario.ca>
Cc: Kirk Worounig <kworounig@RVAnderson.com>; Kaoru Yajima <kyajima@regionofwaterloo.ca>
Subject: 194591 - New Dundee Manganese Removal Class EA Draft ESR Notification

Hi Joan,

My name is Jonathan Rudyk from R.V. Anderson, and I am currently working with the Region of Waterloo on the New Dundee Class EA, started in April 2020 (see the attached MECP response to our Notice of Commencement). As one of the MECP's requests, we will be sending you a draft copy of the ESR for this project in the next week or so. I wanted to send this email to you as a heads-up that you will be expecting something soon. I also intend to send a draft copy of the report to the MHSTCI, as there were archaeological and cultural heritage works and reporting associated with this Class EA that we would like their comment on prior to Issuing the Notice of Completion. Please advise if you have any questions or comments.

Thank you,

Jonathan Rudyk, P.Eng (he/him)
PROCESS ENGINEER
t 416 497 8600 ext. 1497 | m 416 802 5048
a 2001 Sheppard Avenue East, Suite 300, Toronto, ON M2J 4Z8
rvanderson.com

SUMMER HOURS: RVA celebrates the summer season from June 3rd to September 2nd. Our offices will be closed each Friday. We will remain available to address any urgent or project related matters. For these matters, please contact mobile where provided.

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Ministry of the Environment, Conservation and Parks

Environmental Assessment Branch

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Toronto ON M4V 1P5
Tel.: 416 314-8001
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Ministère de l'Environnement, de la Protection de la nature et des Parcs

Direction des évaluations environnementales

Rez-de-chaussée
135, avenue St. Clair Ouest
Toronto ON M4V 1P5
Tél. : 416 314-8001
Téléc. : 416 314-8452

Ontario

November 8, 2022

Kaoru Yajima *(Via email only)*
Sr. Engineer
Region of Waterloo
Email: kyajima@regionofwaterloo.ca

Jonathan Rudyk
R. V. Anderson Associated Limited
Email: JRudyk@rvanderson.com

Re: **New Dundee Water Supply Iron and Manganese Treatment Upgrades Class Municipal Class Environmental Assessment – Schedule C**
Project Review Unit Comments – Draft Environmental Study Report (ESR)

Dear Kaoru Yajima and Jonathan Rudyk,

This letter is in response to the Notice of Study Completion and Environmental Study Report for the New Dundee Water Supply Iron and Manganese Treatment Upgrades Class Environmental Assessment conducted under the Schedule C Municipal Class Environmental Assessment. Our understanding is that due to anticipated changes to the Ontario Drinking Water Standards (ODWS) in terms of the manganese aesthetic objective, the New Dundee Wells were identified for potential treatment upgrades to meet the anticipated new standard. The Region of Waterloo has determined that the preferred solution to reduce the manganese concentrations in the New Dundee Water Supply System to meet the aesthetic objective of 0.02 mg/L is Alternative 5 – Oxidation and Filtration. Following the selection of the preferred alternative treatment solution, the preferred residual management solution was determined to be 'Alternative E -Backwash Equalization Tank + Supernatant Recycle + Solids Hauling.' Based on the preferred treatment and residual management solutions, a preliminary facility was determined. The preferred location was Alternative 2, which is to the immediate northwest of the existing facility at 156 Alderview Drive.

The Ministry of the Environment, Conservation and Parks (ministry) provides the following comments for your consideration.

General

1. Please include Section 16(6) order request language to the Report. For additional information, please refer to: https://www.ontario.ca/page/class-environmental-assessments-section-16-order.

Planning and Policy:

2. A discussion on the provincial planning and policy context, particularly of the Provincial Policy Statement (PPS), is missing from the ESR. As noted in section C.1.1.1 and C.3.1 of the Municipal Class EA document (www.municipalclassea.ca/manual/index.html), the PPS is a key land-use planning objective that shall be considered when evaluating alternative solutions in Phases 2 and 3 of the Class EA process.

Indigenous Consultation

3. Please ensure the distinction of these two indigenous communities Six Nations of the Grand River and the Haudenosaunee Confederacy Chiefs Council is made in the Report under Section 6.4 *First Nations Consultation* (Page 71).

4. It appears that The Region of Waterloo (proponent) provided notices to an appropriate list of communities, however, not all the communities have responded to the notifications. Please note Indigenous communities frequently receive a high volume of project notices and require time to review project proposals. For this reason, it is important that a proponent utilize different methods of reaching out to communities and reach out to the communities at different points in the process. Documentation of these efforts should be contained in the consultation record, including courier receipts, read receipts for emails and telephone logs recording calls and messages. Any efforts to follow-up by the proponent should be documented in the record of consultation that accompanies the Class EA documentation.
5. Further to any follow-up during the review period for the EA, the proponent should continue reaching out to all communities previously engaged if there any substantial changes to the project/process or if they are applying for subsequent permits from the ministry that may be of interest or concern to communities.

Species at Risk

6. Please note that it is the responsibility of the proponent to ensure that Species at Risk (SAR) are not killed, harmed, or harassed, and that their habitat is not damaged or destroyed through the proposed activities to be carried out on the site. If the proposed activities cannot avoid impacting protected species and their habitats, then the proponent will need to apply for an authorization under the Endangered Species Act (ESA). As is noted in the Report, if the proponent believes that their proposed activities are going to have an impact or are

uncertain about the impacts, they should contact SAROntario@ontario.ca to undergo a formal review under the ESA.

7. Please note that additional comments will be included in the final Report from the Species at Risk branch, if necessary.

Air Quality and Odour

8. Table 7.1 (Page 84) *Mitigation Measures During Design and Construction* identifies potential dust impacts during construction. Please note that the ministry recommends that non-chloride dust suppressants be applied during construction. For a comprehensive list of fugitive dust prevention and control measures, refer to *Cheminfo Services Inc. Best Practices for the Reduction of Air Emissions from Construction and Demolition Activities* report prepared for Environment Canada. March 2005.

Evaluation of Alternatives

9. It is recommended that the preferred alternatives be highlighted in the report to provide more clarity (i.e., Highlight the Alternative 5 column of Table 3.6 on Page 38).

10. It is recommended that the Proponent highlights the last row of symbology summarizing the overall criteria score to assist with visual clarity (e.g., highlight the Overall Technical Score of Table 3.2 (Page 33).

Miscellaneous

11. Please note Amy Shaw is not longer MECP employee. Please remove her contact information from the project contact list for future correspondence.

12. Please ensure the notice of completion is sent to MECP West Central Region mailbox eanotification.wcregion@ontario.ca

Thank you for the opportunity to comment on this project. Should you or any members of your project team have any questions regarding the material above, please contact me at joan.delvillarcuicas@ontario.ca.

Yours truly,



Joan Del Villar C
Regional Environmental Planner – West Central Region

Project Review Unit, Environmental Assessment Branch
Ontario Ministry of the Environment, Conservation and Parks

Frank Fei Feng

From: Kirk Worounig
Sent: December 6, 2022 12:59 PM
To: Jonathan Rudyk
Cc: Frank Fei Feng
Subject: FW: Follow-up comment on species at risk for New Dundee Water Supply Municipal Class EA

Categories: Filed by Newforma

From: Lee, Erinn (MECP) <Erinn.Lee2@ontario.ca>
Sent: December 6, 2022 12:19 PM
To: Kaoru Yajima <KYajima@regionofwaterloo.ca>; Kirk Worounig <kworounig@RVAnderson.com>
Cc: Del Villar Cuicas, Joan (MECP) <Joan.DelVillarCuicas@ontario.ca>
Subject: Follow-up comment on species at risk for New Dundee Water Supply Municipal Class EA

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Good afternoon,

I am reaching out to you on behalf of Joan Del Villar Cuicas, the Environmental Planner who provided comments on the draft ESR for the New Dundee Water Supply Municipal Class EA, during her absence. I am providing an additional comment on the draft from MECP's Species at Risk Branch that has been provided to Joan in her absence. Please see the comments below.

1. Table 7.1 – Disruption to SAR and/or Their Habitat
    a. MECP's Species at Risk Branch has revised the timing window for SAR bats. This section should be updated so that trees are removed between September 30 to April 1 (not April 15).
    b. Please note that an Information Gathering Form for Barn Swallow should be submitted to SAROntario@ontario.ca after field assessments have been completed.

Thank you,

Erinn Lee (she/her)
Regional Environmental Planner | Ministry of the Environment, Conservation and Parks
Project Review Unit, Environmental Assessment Branch
135 St. Clair Ave W, Toronto, ON M4V 1P5
P : 1 (416) 357-1511 E: Erinn.Lee2@ontario.ca

R.V. Anderson Associates Limited
2001 Sheppard Avenue East Suite 300
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Tel 416 497 8600 Fax 416 497 0342
www.rvanderson.com

January 16, 2023 RVA 194591

Ministry of Environment, Conservation and Parks
Project Review Unit, Environmental Assessment Branch
135 St Clair Ave W
Toronto, ON
M4V 1P5

Attention: Joan Del Villar Cuicas, Regional Environmental Planner (A)

Re: New Dundee Water Supply Iron and Manganese Treatment Upgrades – Schedule C MCEA – Draft Environmental Study Report (ESR)

Dear Ms. Del Villar Cuicas,

Thank you for the provided comments on the draft Environmental Study Report (ESR) for the above referenced project. Please see our responses to the MECP's comments (provided on November 8, 2022) in the table attached.

Yours very truly,

R.V. ANDERSON ASSOCIATES LIMITED



Kirk Worounig, P. Eng., PMP
Project Manager

Copied to: Kaoru Yajima, Region of Waterloo
Jonathan Rudyk, R.V. Anderson Associates Limited

Enclosed:

- Response Table

CANADA'S BEST MANAGED COMPANIES
Platinum member

Item No.	MECP Comment	RVA's Response
1	**General** 1. Please include Section 16(6) order request language to the Report. For additional information, please refer to: https://www.ontario.ca/page/class-environmental-assessments-section-16-order.	Section 16(6) order request language has been added in the ESR Section 1.1
2	**Planning and Policy:** 2. A discussion on the provincial planning and policy context, particularly of the Provincial Policy Statement (PPS), is missing from the ESR. As noted in section C.1.1.1 and C.3.1 of the Municipal Class EA document (www.municipalclassea.ca/manual/index.html), the PPS is a key land-use planning objective that shall be considered when evaluating alternative solutions in Phases 2 and 3 of the Class EA process.	Provincial planning and policy context, including Provincial Policy Statement 2022, has been added to the ESR Section 1.1.
3	**Indigenous Consultation** 3. Please ensure the distinction of these two indigenous communities Six Nations of the Grand River and the Haudenosaunee Confederacy Chiefs Council is made in the Report under Section 6.4 First Nations Consultation (Page 71).	Distinction has been made in Section 6.4: The Indigenous communities contacted include: • Six Nations of the Grand River Territory • Haudenosaunee Confederacy Council • Mississaugas of the New Credit First Nation

	Indigenous Consultation 4. It appears that The Region of Waterloo (proponent) provided notices to an appropriate list of communities, however, not all the communities have responded to the notifications. Please note Indigenous communities frequently receive a high volume of project notices and require time to review project proposals. For this reason, it is important that a proponent utilize different methods of reaching out to communities and reach out to the communities at different points in the process. Documentation of these efforts should be contained in the consultation record, including courier receipts, read receipts for emails and telephone logs recording calls and messages. Any efforts to follow-up by the proponent should be documented in the record of consultation that accompanies the Class EA documentation.	Indigenous communities were notified at Notice of Commencement and all three PCC sessions. Notices were delivered both via mail and email. All records of notification and follow-ups have been attached in Appendix F.
	Indigenous Consultation 5. Further to any follow-up during the review period for the EA, the proponent should continue reaching out to all communities previously engaged if there any substantial changes to the project/process or if they are applying for subsequent permits from the ministry that may be of interest or concern to communities.	Noted. The Region will continue to reach out to all communities previously engaged if there any substantial changes to the project/process or a subsequent permit application that may be of interest or concern to communities

	Species at Risk 6. Please note that it is the responsibility of the proponent to ensure that Species at Risk (SAR) are not killed, harmed, or harassed, and that their habitat is not damaged or destroyed through the proposed activities to be carried out on the site. If the proposed activities cannot avoid impacting protected species and their habitats, then the proponent will need to apply for an authorization under the Endangered Species Act (ESA). As is noted in the Report, if the proponent believes that their proposed activities are going to have an impact or are uncertain about the impacts, they should contact SAROntario@ontario.ca to undergo a formal review under the ESA.	Noted. This has been added to the ESR In Section 8.1.
	Species at Risk 7. Please note that additional comments will be included in the final Report from the Species at Risk branch, if necessary.	Noted. Additional comments were provided to RVA on December 6, 2022. See Comment #13 below.
	Air Quality and Odour 8. Table 7.1 (Page 84) Mitigation Measures During Design and Construction identifies potential dust impacts during construction. Please note that the ministry recommends that non-chloride dust suppressants be applied during construction. For a comprehensive list of fugitive dust prevention and control measures, refer to Cheminfo Services Inc. Best Practices for the Reduction of Air Emissions from	Noted. The recommendation has been added to Table 7.1 Dust and Mud from Construction Activities row.

	Construction and Demolition Activities report prepared for Environment Canada. March 2005.	
	Evaluation of Alternatives 9. It is recommended that the preferred alternatives be highlighted in the report to provide more clarity (i.e., Highlight the Alternative 5 column of Table 3.6 on Page 38).	Noted. The preferred alternatives have been highlighted in Tables 3.6 and 4.5.
	Evaluation of Alternatives 10. It is recommended that the Proponent highlights the last row of symbology summarizing the overall criteria score to assist with visual clarity (e.g., highlight the Overall Technical Score of Table 3.2 (Page 33).	Noted. The summary of scores have been highlighted in Tables 3.2, 3.3, 3.4, 3.5, 3.9. 3.10, 3.11, 3.12, 3.13, 4.1, 4.2, 4.3, and 4.4.
	Miscellaneous 11. Please note Amy Shaw is no longer MECP employee. Please remove her contact information from the project contact list for future correspondence.	Noted. Amy Shaw will be removed from the contact list.
	Miscellaneous 12. Please ensure the notice of completion is sent to MECP West Central Region mailbox eanotification.wcregion@ontario.ca	Noted.

	SAR 13. Table 7.1 – Disruption to SAR and/or Their Habitat a. MECP's Species at Risk Branch has revised the timing window for SAR bats. This section should be updated so that trees are removed between September 30 to April 1 (not April 15). b. Please note that an Information Gathering Form for Barn Swallow should be submitted to SAROntario@ontario.ca after field assessments have been completed.	Noted. The recommended revisions have been captured in Table 7.1, under the Disruption to Species at Rick, and/or Their Habitats row.

Frank Fei Feng

Subject: FW: 194591 - New Dundee Schedule C Class EA Draft ESR for MHSTCI Review

From: Harvey, Joseph (MCM) <Joseph.Harvey@ontario.ca>
Sent: February 22, 2023 4:06 PM
To: Jonathan Rudyk <JRudyk@rvanderson.com>
Cc: Badali, Mark (MECP) <Mark.Badali1@ontario.ca>; Kirk Worounig <kworounig@RVAnderson.com>; Kaoru Yajima <KYajima@regionofwaterloo.ca>; Frank Fei Feng <ffeng@rvanderson.com>
Subject: FW: 194591 - New Dundee Schedule C Class EA Draft ESR for MHSTCI Review

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Hi Jonathan,

Thanks for providing us with your response. We have no concerns with the proposed approach, however, the ESR should articulate whether it is anticipated that the proposed expansion will have direct or indirect impacts on the property at 328 Main Street. We also recommend including the following commitment under ESR section 7 (Mitigation Measures).

> "A heritage impact assessment (HIA) will be undertaken to identify potential impacts to the property at 328 Main Street providing recommendations and mitigation measures, to reduce negative impacts, and conserve the properties cultural heritage value or interest. The HIA will be undertaken by a qualified consultant as early as possible during detailed design and prior any ground disturbing activities."

Thanks,

Joseph Harvey | Heritage Planner
Citizenship, Inclusion and Heritage Division | Heritage Branch | Heritage Planning Unit
Ministry of Citizenship and Multiculturalism
613.242.3743
Joseph.Harvey@ontario.ca

From: Jonathan Rudyk <JRudyk@rvanderson.com>
Sent: February 8, 2023 2:36 PM
To: Harvey, Joseph (MCM) <Joseph.Harvey@ontario.ca>
Cc: Badali, Mark (MECP) <Mark.Badali1@ontario.ca>; Kirk Worounig <kworounig@RVAnderson.com>; Kaoru Yajima <KYajima@regionofwaterloo.ca>; Frank Fei Feng <ffeng@rvanderson.com>
Subject: RE: 194591 - New Dundee Schedule C Class EA Draft ESR for MHSTCI Review

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Hi Joseph,

Please see our letter attached in response to the MCM's review of the draft ESR for the New Dundee Schedule C Class EA. I wanted to direct you to one of your review comments regarding an HIA. Per our responses, the HIA will be

completed by a qualified consultant during the detailed design phase of the project, as the Class EA will only conceptually establish a façade and a general footprint. The HIA will be undertaken once the site plan and building design have been defined during detailed design.

We plan to issue the Notice of Completion in May 2023, and will circulate the notice to you and your team at that time.

Thanks,

Jonathan Rudyk, P.Eng (he/him)

Associate, Process Engineer

R.V. Anderson Associates Limited
2001 Sheppard Avenue East, Suite 300, Toronto ON M2J 4Z8
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From: Harvey, Joseph (MCM) <Joseph.Harvey@ontario.ca>
Sent: January 18, 2023 11:42 AM
To: Jonathan Rudyk <JRudyk@rvanderson.com>
Cc: Badali, Mark (MECP) <Mark.Badali1@ontario.ca>; Kirk Worounig <kworounig@RVAnderson.com>; Kaoru Yajima <KYajima@regionofwaterloo.ca>; Frank Fei Feng <ffeng@rvanderson.com>
Subject: RE: 194591 - New Dundee Schedule C Class EA Draft ESR for MHSTCI Review

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hi Jonathan,

We have no concerns with your proposal. Please connect with the Region of Waterloo regarding any proposed engagement with indigenous communities.

Regards,

Joseph Harvey | Heritage Planner
Citizenship, Inclusion and Heritage Division | Heritage Branch | Heritage Planning Unit
Ministry of Citizenship and Multiculturalism
613.242.3743
Joseph.Harvey@ontario.ca

From: Jonathan Rudyk <JRudyk@rvanderson.com>
Sent: January 16, 2023 11:53 AM
To: Harvey, Joseph (MCM) <Joseph.Harvey@ontario.ca>
Cc: Barboza, Karla (MCM) <Karla.Barboza@ontario.ca>; Badali, Mark (MECP) <Mark.Badali1@ontario.ca>; Kirk Worounig <kworounig@RVAnderson.com>; Kaoru Yajima <KYajima@regionofwaterloo.ca>; Frank Fei Feng

<ffeng@rvanderson.com>
Subject: RE: 194591 - New Dundee Schedule C Class EA Draft ESR for MHSTCI Review

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Hi Joseph,

We are just in the process of finalizing our letter response for this Class EA, but I had one question about one of your comments.

Table 2 comment 7 of the letter asks us to revise the wording of our Mitigation Measures with wording provided by yourself. We just wanted to modify this wording slightly to include contacting first nations prior to any archaeological works to ask if they would like to participate. The wording will otherwise remain the same.

Thanks,

Jonathan Rudyk, P.Eng (he/him)
ASSOCIATE, PROCESS ENGINEER
t 416 497 8600 ext. 1497 | m 416 802 5048
a 2001 Sheppard Avenue East, Suite 300, Toronto, ON M2J 4Z8
rvanderson.com

From: Harvey, Joseph (MCM) <Joseph.Harvey@ontario.ca>
Sent: November 8, 2022 2:23 PM
To: Jonathan Rudyk <JRudyk@rvanderson.com>
Cc: Barboza, Karla (MCM) <Karla.Barboza@ontario.ca>; Badali, Mark (MECP) <Mark.Badali1@ontario.ca>; Kirk Worounig <kworounig@RVAnderson.com>; Kaoru Yajima <KYajima@regionofwaterloo.ca>; Frank Fei Feng <ffeng@rvanderson.com>
Subject: FW: 194591 - New Dundee Schedule C Class EA Draft ESR for MHSTCI Review

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Jonathan Rudyk,

Please find attached, our comments on the ESR prepared in support of the above referenced undertaking.

Please note that the responsibility for administration of the Ontario Heritage Act and matters related to cultural heritage recently transferred from the Ministry of Tourism, Culture and Sport (MTCS) to the Ministry of Citizenship and Multiculturalism (MCM). Individual staff roles and contact information remain unchanged. Please continue to send any notices, report and/or documentation to both Karla Barboza and myself.

Please do not hesitate to contact me with any questions or concerns.

Regards,

Joseph Harvey | Heritage Planner
Inclusion and Heritage Division | Heritage Branch | Heritage Planning Unit
Ministry of Citizenship and Multiculturalism
613.242.3743
Joseph.Harvey@ontario.ca

From: Jonathan Rudyk <JRudyk@rvanderson.com>
Sent: October-12-22 5:23 PM
To: Barboza, Karla (MTCS) <Karla.Barboza@ontario.ca>
Cc: Kirk Worounig <kworounig@RVAnderson.com>; Kaoru Yajima <KYajima@regionofwaterloo.ca>; Frank Fei Feng <ffeng@rvanderson.com>
Subject: RE: 194591 - New Dundee Schedule C Class EA Draft ESR for MHSTCI Review

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Hi Karla,

Further to my email below, I will be sending you a draft of the ESR and appendices to you shortly. The file will come through in a Newforma File Exchange link, please confirm when you have downloaded the files. We are aiming to have comments back from the MECP and MTCS by Monday November 14th, 2022. Let me know if you can accommodate this in your schedule.

Thanks,

Jonathan Rudyk, P.Eng (he/him)
PROCESS ENGINEER
t 416 497 8600 ext. 1497 | m 416 802 5048
a 2001 Sheppard Avenue East, Suite 300, Toronto, ON M2J 4Z8
rvanderson.com

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