

Land and Water Boards of the Mackenzie Valley



APPLICATION FOR LICENCE, AMENDMENT OF LICENCE, OR RENEWAL OF LICENCE IN NON-FEDERAL AREAS

Subsection 5(1) and Schedule C of the [Waters Regulations](#)

Use an "X" to indicate which Board the Application is being made to:	Mackenzie Valley Land and Water Board:	<input checked="" type="checkbox"/>	Sahtu Land and Water Board:	
	Wek'èezhìi Land and Water Board:		Gwich'in Land and Water Board:	

To complete this form, please refer to the LWB [Guide to the Water Licensing Process](#) (Guide) and fill in the grey fields; attach additional pages, as necessary. Indicate N/A in the grey fields for Items or parts of Items that are not applicable. An application package checklist is provided in the Guide. Review the following LWB guidance for formatting your Application Package:

- [Document Submission Standards](#)
- [Standard Outline for Management Plans](#)



Received: October 5, 2023

File #: MV2022L8-0008

Copied to: KM / Registry

If applicable, provide the existing or current Water Licence number:	MV2022L8-0008		
Use an "X" to indicate if this Application is accompanied by another Application for a Water Licence in a federal area and/or a Land Use Permit.	Water Licence:	<input checked="" type="checkbox"/>	
	Land Use Permit:	<input checked="" type="checkbox"/>	

1. NAME AND CONTACT INFORMATION – APPLICANT

Project Name:	Yellowknife Lithium Project		
Applicant's Name:	EREX International Ltd.		
Position:			
Company Name:	EREX International Ltd.		
Mailing Address:	1218-1030 West Georgia St.		
Community:	Vancouver	Telephone:	(604) 609-6185
Prov/Terr:	BC	Email:	info@li-ft.com
Postal Code:	V6E 2Y3	Other:	

2. NAME AND CONTACT INFORMATION – APPLICANT’S HEAD OFFICE

Include a Certificate of Corporate Registration from the Government of the Northwest Territories in your Application Package.

Use an “X” to indicate this information is the same as Item 1 above:			
Name:	April Hayward		
Position:	Chief Sustainability Officer		
Company Name:	Li-FT Power Ltd.		
Mailing Address:	1218-1030 West Georgia St.		
Community:	Vancouver	Telephone:	(604) 609-6185
Prov/Terr:	BC	Email:	april@li-ft.com
Postal Code:	V6E 2Y3	Other:	

3. LOCATION OF PROJECT

Use the grey fields below to provide or reference the following information:

Traditional Place Name: Akaitcho Territory and Mᓄwᓂì Gogha Dè Njłłtłèè

Maps and Geographic Information System (GIS) Data: Include a map in your Application Package, identifying local geographic features, watercourses and water sources, project structures, and location(s) of any proposed waste deposits. Provide geographic coordinates (latitude and longitude) of project features, and the maximum and minimum project boundary in degrees, minutes, seconds, or decimal degrees. Include GIS data in your Application Package, if applicable. Refer to the LWB [Geospatial Data Submission Standards](#) for providing geographic information.

Minimum latitude:	62.179129	Maximum latitude:	62.854255
Minimum longitude:	112.135661	Maximum longitude:	114.186622

NTS Map Sheet No.: Provide the map sheet number: 85J/08, 09; 85I/01, 02, 03, 05, 06, 07, 08, 11, 12, 13

GIS Data: Use an “X” to indicate if GIS data is attached. Attached: Not Available: x

Land Types: Use an “X” to indicate the type(s) of land on which the activities are proposed:

Free Hold/ Private:	Commissioner’s/ Territorial Lands:	x	Federal Land:	x	Municipal Land:	
------------------------	---------------------------------------	---	---------------	---	-----------------	--

4. DESCRIPTION OF PROJECT

Describe the proposed activities in the grey field provided below and contact Board staff to determine whether additional information will be required. For proposed amendments to authorized activities, specify: the nature of the amendment, the condition(s) to be amended, and the rationale for the amendment.

Please see attached “Project Description – Supplemental” which describes proposed amendments (including rationale) and adjusted Project activities related to existing Water Licence MV2022L8-0008.

5. TYPE OF UNDERTAKING

Refer to Schedule B of the [Waters Regulations](#). Use an "X" to indicate which one type of undertaking applies:

1	Industrial	
2	Mining and milling	X
3	Municipal	
4	Power	
5	Agriculture	
6	Conservation	
7	Recreation	
8	Miscellaneous	(describe):

6. WATER LICENSING CRITERIA

Refer to Schedules D to H of the [Waters Regulations](#). Use an "X" to indicate which criteria apply:

	Type B	Type A
To obtain water	X	
To cross a watercourse		
To modify the bed or bank of a watercourse		
Flood control		
To divert water		
To alter the flow of, or store, water		
To deposit waste		
Other		(describe):

7. PROPOSED QUANTITY OF WATER INVOLVED

Describe the purpose of each proposed water use, name, and type (e.g., lake, river) of the water source, the location, and the quantity of water that would be used in the grey fields below. Add more rows as needed.

The water sources below are in addition to water sources already approved under MV2022L8-0008.

Purpose of Water Use	Name and Type of Water Source	Location	Geographic Coordinates		Proposed Water Use Volume/Rate, including units
			Latitude	Longitude	
drilling, camp, winter roads, trails, and pads	Buckham Lake	85I-07/02	62.30712	-112.633	<299 m ³ /d
winter roads	Campbell Lake	85I-07/02	62.3281	-112.944	<299 m ³ /d

drilling, camp, winter roads, trails, and pads	Dorothy Lake	85I-07	62.45168	-112.534	<299 m ³ /d
winter roads	E10	85I-07	62.38078	-112.941	<299 m ³ /d
winter roads	E11	85I-07	62.38914	-112.836	<299 m ³ /d
winter roads	E12	85I-07	62.37993	-112.811	<299 m ³ /d
winter roads	E14	85I-07	62.37166	-112.795	<299 m ³ /d
winter roads, camp	E15	85I-07	62.37377	-112.748	<299 m ³ /d
winter roads	E16	85I-07	62.4089	-112.829	<299 m ³ /d
winter roads	E17	85I-07	62.40923	-112.825	<299 m ³ /d
winter roads	E18	85I-07	62.424	-112.808	<299 m ³ /d
winter roads	E19	85I-07	62.40651	-112.731	<299 m ³ /d
winter roads	E2	85I-06	62.44632	-113.344	<299 m ³ /d
winter roads	E20	85I-07	62.40098	-112.654	<299 m ³ /d
winter roads	E21	85I-07	62.405	-112.629	<299 m ³ /d
winter roads	E22	85I-07	62.41459	-112.62	<299 m ³ /d
winter roads	E23	85I-07	62.4252	-112.604	<299 m ³ /d
winter roads	E25	85I-07	62.43421	-112.568	<299 m ³ /d
winter roads	E26	85I-07	62.42801	-112.516	<299 m ³ /d
winter roads	E27	85I-07/08	62.4478	-112.477	<299 m ³ /d
winter roads	E28	85I-08	62.44666	-112.45	<299 m ³ /d
winter roads	E29	85I-08	62.44687	-112.44	<299 m ³ /d
winter roads	E3	85I-06	62.44162	-113.336	<299 m ³ /d
winter roads, camp	E30	85I-08	62.44774	-112.285	<299 m ³ /d
winter roads	E31	85I-08	62.44915	-112.25	<299 m ³ /d
winter roads	E34	85I-06/07	62.38629	-113.054	<299 m ³ /d
winter roads	E35	85I-06/07	62.35137	-113.004	<299 m ³ /d
winter roads	E36	85I-06	62.35451	-113.258	<299 m ³ /d
winter roads	E37	85I-06	62.35449	-113.237	<299 m ³ /d
winter roads	E38	85I-06	62.33988	-113.061	<299 m ³ /d
winter roads	E39	85I-07	62.37754	-112.915	<299 m ³ /d
winter roads	E4	85I-06	62.43419	-113.363	<299 m ³ /d
winter roads	E40	85I-07	62.37882	-112.819	<299 m ³ /d
winter roads	E41	85I-07	62.37821	-112.8	<299 m ³ /d
winter roads, camp	E42	85I-07	62.37547	-112.723	<299 m ³ /d
winter roads, camp	E43	85I-07	62.36553	-112.717	<299 m ³ /d
winter roads, camp	E44	85I-07	62.37527	-112.763	<299 m ³ /d
winter roads	E45	85I-07	62.38478	-112.808	<299 m ³ /d

winter roads	E46	85I-07	62.40584	-112.812	<299 m ³ /d
winter roads	E47	85I-07	62.40453	-112.876	<299 m ³ /d
winter roads	E48	85I-07	62.41006	-112.86	<299 m ³ /d
winter roads	E49	85I-07	62.41478	-112.832	<299 m ³ /d
winter roads	E5	85I-06	62.42464	-113.353	<299 m ³ /d
winter roads	E50	85I-07	62.39444	-112.644	<299 m ³ /d
winter roads	E51	85I-07	62.43519	-112.51	<299 m ³ /d
winter roads	E52	85I-07/08	62.44074	-112.504	<299 m ³ /d
winter roads	E53	85I-07	62.42143	-112.519	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	E54	85I-07	62.4412	-112.559	<299 m ³ /d
winter roads	E55	85I-07	62.40205	-112.853	<299 m ³ /d
winter roads	E6	85I-06	62.3626	-113.268	<299 m ³ /d
winter roads	E7	85I-06	62.36125	-113.246	<299 m ³ /d
winter roads	E8	85I-06	62.37762	-113.217	<299 m ³ /d
winter roads	E9	85I-07	62.37297	-112.972	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF1	85I-07	62.2968	-112.854	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF10	85I-07	62.30512	-112.786	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF11	85I-07	62.3082	-112.774	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF12	85I-07	62.30392	-112.769	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF13	85I-07	62.29614	-112.802	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF14	85I-07	62.29677	-112.815	<299 m ³ /d
drilling, camp, winter	FF15	85I-07	62.29062	-112.824	<299 m ³ /d

roads, trails, and pads					
drilling, camp, winter roads, trails, and pads	FF17	85I-02	62.2388	-112.705	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF18	85I-02	62.2368	-112.691	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF19	85I-02	62.2263	-112.676	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF2	85I-07	62.31148	-112.838	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF20	85I-02	62.22594	-112.688	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF21	85I-02	62.22213	-112.703	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF22	85I-02	62.21851	-112.723	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF23	85I-02	62.22715	-112.721	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF24	85I-02	62.22541	-112.735	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF25	85I-02	62.20269	-112.654	<299 m ³ /d
drilling, camp, winter	FF26	85I-02	62.19443	-112.654	<299 m ³ /d

roads, trails, and pads					
drilling, camp, winter roads, trails, and pads	FF27	85I-02	62.19009	-112.654	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF28	85I-02	62.18076	-112.673	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF29	85I-02	62.18265	-112.723	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF3	85I-07	62.31318	-112.819	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF30	85I-02	62.20177	-112.73	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF31	85I-02	62.2015	-112.76	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF32	85I-02	62.21291	-112.764	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF33	85I-02	62.20917	-112.699	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF34	85I-02	62.20472	-112.7	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF35	85I-02	62.19695	-112.684	<299 m ³ /d
drilling, camp, winter	FF36	85I-02	62.1938	-112.7	<299 m ³ /d

roads, trails, and pads					
drilling, camp, winter roads, trails, and pads	FF37	85I-02	62.19036	-112.715	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF38	85I-02	62.18567	-112.702	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF39	85I-02	62.18984	-112.682	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF4	85I-07	62.31322	-112.809	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF40	85I-02	62.18537	-112.676	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF41	85I-02	62.19013	-112.672	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF42	85I-02	62.18999	-112.662	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF43	85I-02	62.21843	-112.74	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF44	85I-01	62.22587	-112.314	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF45	85I-01	62.23014	-112.328	<299 m ³ /d
drilling, camp, winter	FF46	85I-01/08	62.24706	-112.297	<299 m ³ /d

roads, trails, and pads					
drilling, camp, winter roads, trails, and pads	FF47	85I-01	62.23189	-112.314	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF48	85I-01	62.24374	-112.298	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF49	85I-01	62.22106	-112.331	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF5	85I-07	62.32438	-112.812	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF50	85I-01	62.23856	-112.333	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF51	85I-01	62.24165	-112.285	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF52	85I-01	62.22505	-112.33	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF53	85I-01	62.23408	-112.3	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF54	85I-01	62.23722	-112.323	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF55	85I-01	62.22662	-112.31	<299 m ³ /d
drilling, camp, winter	FF56	85I-01	62.21839	-112.307	<299 m ³ /d

roads, trails, and pads					
drilling, camp, winter roads, trails, and pads	FF57	85I-01	62.24275	-112.293	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF58	85I-01	62.2413	-112.297	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF6	85I-07	62.32268	-112.796	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF7	85I-07	62.3153	-112.783	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF8	85I-07	62.30995	-112.797	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF37	85I-02	62.19036	-112.715	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF38	85I-02	62.18567	-112.702	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF39	85I-02	62.18984	-112.682	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF40	85I-02	62.18537	-112.676	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF41	85I-02	62.19013	-112.672	<299 m ³ /d
drilling, camp, winter	FF42	85I-02	62.18999	-112.662	<299 m ³ /d

roads, trails, and pads					
drilling, camp, winter roads, trails, and pads	FF43	85I-02	62.21843	-112.74	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF44	85I-01	62.22587	-112.314	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF45	85I-01	62.23014	-112.328	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF46	85I-01/08	62.24706	-112.297	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF47	85I-01	62.23189	-112.314	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF48	85I-01	62.24374	-112.298	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF49	85I-01	62.22106	-112.331	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF5	85I-07	62.32438	-112.812	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF50	85I-01	62.23856	-112.333	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF51	85I-01	62.24165	-112.285	<299 m ³ /d
drilling, camp, winter	FF52	85I-01	62.22505	-112.33	<299 m ³ /d

roads, trails, and pads					
drilling, camp, winter roads, trails, and pads	FF53	85I-01	62.23408	-112.3	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF54	85I-01	62.23722	-112.323	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF55	85I-01	62.22662	-112.31	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF56	85I-01	62.21839	-112.307	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF57	85I-01	62.24275	-112.293	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF58	85I-01	62.2413	-112.297	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF6	85I-07	62.32268	-112.796	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF7	85I-07	62.3153	-112.783	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF8	85I-07	62.30995	-112.797	<299 m ³ /d
drilling, camp, winter roads, trails, and pads	FF9	85I-07	62.3069	-112.797	<299 m ³ /d
drilling, camp, winter	Francois Lake	85I-08	62.46073	-112.373	<299 m ³ /d

roads, trails, and pads					
winter roads	Harding Lake	85I-06	62.34219	-113.361	<299 m ³ /d
winter roads	Hearne Lake	85I-06/03	62.32448	-113.16	<299 m ³ /d
drilling, camp, winter roads, trails, and pads*	T2	85I-08	62.43113	-112.193	<299 m ³ /d
drilling, camp, winter roads, trails, and pads**	T3	85I-08	62.41929	-112.162	<299 m ³ /d
drilling, camp, winter roads, trails, and pads*	Tanco Lake	85I-08	62.42667	-112.188	<299 m ³ /d
winter roads	Zigzag Lake	85I-06/07	62.34231	-113.033	<299 m ³ /d
winter roads	FF61	85I-07	62.33435	-112.743	<299 m ³ /d
winter roads	FF62	85I-07	62.32123	-112.752	<299 m ³ /d
winter roads	FF63	85I-07	62.36571	-112.683	<299 m ³ /d
winter roads	FF64	85I-07	62.35515	-112.695	<299 m ³ /d
winter roads	FF65	85I-07	62.3537	-112.669	<299 m ³ /d
winter roads	FF66	85I-07	62.34531	-112.662	<299 m ³ /d
winter roads	FF67	85I-07	62.34491	-112.651	<299 m ³ /d
winter roads	FF68	85I-07	62.29444	-112.58	<299 m ³ /d
winter roads	FF69	85I-02	62.21211	-112.513	<299 m ³ /d
winter roads	FF70	85I-01	62.20489	-112.475	<299 m ³ /d
winter roads	FF71	85I-01	62.20915	-112.446	<299 m ³ /d
winter roads	FF72	85I-01	62.20899	-112.36	<299 m ³ /d
winter roads	Mystery Lake	85I-01/02/07/08	62.25408	-112.537	<299 m ³ /d
winter roads	Blachford Lake	85I-01/02/	62.17553	-112.547	<299 m ³ /d

For each water source identified in the table above, provide a comparison of total proposed water use to the available capacity. Add more rows as needed. For more information about determining winter water source capacity, refer to the LWB/GNWT [Method for Determining Winter Water Source Capacity for Small-Scale Projects](#).

Water Source	Capacity of Water Source, including units	Other Users of the Water Source	Comparison of Total Proposed Water Use to Available Capacity
Buckham Lake	3,119,945	none identified	109,135
Campbell Lake	2,903,956	none identified	109,135

Dorothy Lake	357,140	CIRNAC	109,135
E10	106,881	none identified	106,881
E11	51,184	none identified	51,184
E12	6,194	none identified	6,194
E14	39,864	none identified	39,864
E15	52,955	none identified	52,955
E16	579	none identified	579
E17	264	none identified	264
E18	100,706	none identified	100,706
E19	419,298	none identified	109,135
E2	1,312	none identified	1,312
E20	73,895	none identified	73,895
E21	7,162	none identified	7,162
E22	24,155	none identified	24,155
E23	34,546	none identified	34,546
E25	4,169	none identified	4,169
E26	8,840	none identified	8,840
E27	185,236	none identified	109,135
E28	3,428	none identified	3,428
E29	13,907	none identified	13,907
E3	105,459	none identified	105,459
E30	20,495	none identified	20,495
E31	15,193	none identified	15,193
E34	352,013	none identified	109,135
E35	45,351	none identified	45,351
E36	17,522	none identified	17,522
E37	25,267	none identified	25,267
E38	31,034	none identified	31,034
E39	55,911	none identified	55,911
E4	20,278	none identified	20,278
E40	3,291	none identified	3,291
E41	4,209	none identified	4,209
E42	23,049	none identified	23,049
E43	16,815	none identified	16,815
E44	7,621	none identified	7,621
E45	17,531	none identified	17,531
E46	14,569	none identified	14,569
E47	19,347	none identified	19,347
E48	27,667	none identified	27,667
E49	14,948	none identified	14,948
E5	2,675	none identified	2,675
E50	27,655	none identified	27,655
E51	23,623	none identified	23,623
E52	20,149	none identified	20,149

E53	19,931	none identified	19,931
E54	20,998	none identified	20,998
E55	23,356	none identified	23,356
E6	43,856	none identified	43,856
E7	7,242	none identified	7,242
E8	355,649	none identified	109,135
E9	6,331	none identified	6,331
FF1	175,607	none identified	109,135
FF10	7,662	none identified	7,662
FF11	10,636	none identified	10,636
FF12	12,840	none identified	12,840
FF13	60,093	none identified	60,093
FF14	6,019	none identified	6,019
FF15	8,478	none identified	8,478
FF17	4,453	none identified	4,453
FF18	2,250	none identified	2,250
FF19	8,772	none identified	8,772
FF2	15,013	none identified	15,013
FF20	8,651	none identified	8,651
FF21	13,441	none identified	13,441
FF22	33,490	none identified	33,490
FF23	12,180	none identified	12,180
FF24	1,205	none identified	1,205
FF25	37,000	none identified	37,000
FF26	5,843	none identified	5,843
FF27	5,693	none identified	5,693
FF28	74,909	none identified	74,909
FF29	33,461	none identified	33,461
FF3	5,740	none identified	5,740
FF30	115,268	none identified	109,135
FF31	59,535	none identified	59,535
FF32	1,953	none identified	1,953
FF33	3,814	none identified	3,814
FF34	12,599	none identified	12,599
FF35	16,880	none identified	16,880
FF36	25,852	none identified	25,852
FF37	8,292	none identified	8,292
FF38	3,823	none identified	3,823
FF39	12,086	none identified	12,086
FF4	2,218	none identified	2,218
FF40	2,652	none identified	2,652
FF41	7,714	none identified	7,714
FF42	2,958	none identified	2,958
FF43	8,216	none identified	8,216

FF44	973	none identified	973
FF45	20,558	none identified	20,558
FF46	11,921	none identified	11,921
FF47	3,329	none identified	3,329
FF48	2,806	none identified	2,806
FF49	4,360	none identified	4,360
FF5	19,359	none identified	19,359
FF50	14,963	none identified	14,963
FF51	8,872	none identified	8,872
FF52	3,186	none identified	3,186
FF53	27,821	none identified	27,821
FF54	20,218	none identified	20,218
FF55	6,809	none identified	6,809
FF56	225,825	none identified	109,135
FF57	4,164	none identified	4,164
FF58	488	none identified	488
FF6	9,649	none identified	9,649
FF7	106,241	none identified	106,241
FF8	3,841	none identified	3,841
FF9	1,742	none identified	1,742
Francois Lake	2,442,210	GNWT ECC	109,135
Harding Lake	2,638,349	Namushka Lodge, Cabins	109,135
Hearne Lake	4,110,417	Hearne Lake Lodge; Cabin Owners	109,135
T2	15,970	none identified	15,970
T3	92,494	none identified	92,494
Tanco Lake	422,700	none identified	109,135
Zigzag Lake	585,796	none identified	109,135
FF61	72,183	none identified	72,183
FF62	15,110	none identified	15,110
FF63	263,807	none identified	109,135
FF64	3,093	none identified	3,093
FF65	65,870	none identified	65,870
FF66	8,911	none identified	8,911
FF67	2,275	none identified	2,275
FF68	53,624	none identified	53,624
FF69	9,345	none identified	9,345
FF70	106,955	none identified	106,955
FF71	79,796	none identified	79,796
FF72	56,143	none identified	56,143
Mystery Lake	3,017,738	none identified	109,135
Blachford Lake	2,466,101	Blachford Lake Lodge	109,135

8. PROPOSED WASTE MANAGEMENT METHODS

Use the grey field below to provide or reference the following information:

Waste Management Plan: Include a Waste Management Plan in your Application Package, if applicable, or for small-scale activities, describe proposed waste management activities in the grey field provided below. A template for the Plan is available in the LWB [Guidelines for Developing a Waste Management Plan](#).

If waste is proposed to be disposed of off-site within the NWT, written confirmation (e.g., an email, letter, etc.) from the facility/facilities indicating they will accept the waste is required. Include it/these in your Application Package. Please note this information will be required by the Board prior to commencement of activities.

Municipalities: Complete the relevant Operations and Maintenance Plans using the available [Templates](#) and include them in your Application Package. Refer to Sections 4-8 of Environment and Climate Change Canada’s [Solid Waste Management for Northern and Remote Communities: Planning and Technical Guidance Document](#).

EQC and AEMP: For activities that involve the deposit of waste into water, provide proposed effluent quality criteria (EQC) in accordance with the LWB [Waste and Wastewater Management Policy](#) and [Standard Process for Setting EQC](#) [https://mvlwb.com/sites/default/files/images/Guidelines/Guidelines for Effluent Mixing Zones - Final Draft - June 2017 EDIT9.pdf](https://mvlwb.com/sites/default/files/images/Guidelines/Guidelines%20for%20Effluent%20Mixing%20Zones%20-%20Final%20Draft%20-%20June%202017%20EDIT9.pdf). Refer to the LWB/GNWT [Guidelines for Effluent Mixing Zones](#) when mixing zones are being considered. Refer to the LWB/GNWT [Guidelines for Aquatic Effects Monitoring Programs](#) for more information regarding the development of AEMP programs.

Please see updated Waste Management Plan and Letter of Waste Acceptance from KBL Environmental included with this submission package.

9. EXISTING WATER USERS AFFECTED BY THIS PROJECT

Describe pre-Application engagement efforts with any existing water users and associated possible claims for water compensation or compensation agreements. Include the names and locations of existing water users (e.g., persons or organizations) in the grey fields below. An additional table should be added for each water user.

Name:	Ingraham Trail Cabin Owners
Community:	n/a
Province/Territory:	NT
Describe Engagement Completed:	See attached Engagement Record

Name:	CIRNAC
Community:	n/a
Province/Territory:	NT

Describe Engagement Completed:	See attached Engagement Record
--------------------------------	--------------------------------

Name:	GNWT ECC
Community:	n/a
Province/Territory:	NT
Describe Engagement Completed:	See attached Engagement Record

Name:	Namushka Lodge
Community:	n/a
Province/Territory:	NT
Describe Engagement Completed:	See attached Engagement Record

Name:	Hearne Lake Lodge
Community:	n/a
Province/Territory:	NT
Describe Engagement Completed:	See attached Engagement Record

Name:	Blachford Lake Lodge
Community:	n/a
Province/Territory:	NT
Describe Engagement Completed:	See attached Engagement Record

10. POTENTIAL ENVIRONMENTAL IMPACTS OF THE PROJECT AND PROPOSED MITIGATIONS

If the proposed project, or parts of the proposed project, may be exempt from preliminary screening, describe the rationale for the exemption in the grey field below. Include the date of the most recent screening, and/or the environmental assessment or impact review number.

The amendment request does not change the scope of the existing Water Licence (MV2022L8-008) and has already been screened by the MVLWB. The Bullmoose Winter Road has also been screened explicitly in association with MV2016X0013 and MV2016L8-0004. Potential environmental impacts and proposed mitigations for all Project activities have been provided in previous submissions.

Unless the project could be exempt from preliminary screening, using the Impact-Mitigation Table below, or the more detailed Table in Appendix F of the [Guide](#), identify all potential impacts and possible mitigations that are relevant to the proposed project, and indicate whether any of the mitigation measures have been developed as a result of input from affected parties. Applicants for type A water licences must use the detailed Table in the Guide; other applicants may choose either the Table below or the Table in the Guide.

Possible potential impacts are listed below; however, these lists are not exhaustive and may not apply to all projects. All information provided should reflect the size, scale, and nature of the proposed project. Cumulative impacts and climate change must be considered. Attach additional pages if needed. Use landscape orientation if preferred.

Potential Impacts <i>Use an "X" to indicate which apply</i>	X	Potential Project Impacts and Proposed Mitigations <i>Describe the potential impact(s) and the proposed measure(s) to reduce each of these impacts.</i>
ABIOTIC COMPONENTS		
Land		
Soil contamination		
Soil compaction		
Destabilization/erosion		
Change in soil structure		
Inability to support vegetation		
Other		
Water		
Groundwater		
Water table alteration		
Infiltration changes		
Changes in water quality		
Temperature changes		
Other		
Permafrost		
Loss or change in extent		
Changes in seasonal fluctuations		
Change in persistence		
Other		
Surface Water		
Water flow or level changes (permanent, temporary, seasonal)		
Drainage pattern changes		
Temperature changes		
Changes in water quality		
Wetland impairment		
Changes to aquatic habitat (see Biotic section below)		
Other		
Air		
Changes in air quality		
Harm to living things		
Increased greenhouse gases		
Other		

Potential Impacts <i>Use an "X" to indicate which apply</i>	X	Potential Project Impacts and Proposed Mitigations <i>Describe the potential impact(s) and the proposed measure(s) to reduce each of these impacts.</i>
BIOTIC COMPONENTS		
Vegetation		
Direct loss of vegetation		
Loss of Species at Risk or may-be-at-risk plants		
Change in species composition		
Introduction of non-native (invasive) species		
Effects on plant health (dust, metals, toxins)		
Increased risk of fire		
Compaction of vegetation		
Other		
Terrestrial Wildlife Habitat		
Direct loss or removal of habitat, dens, or nests		
Loss or removal of keystone species and/or Species at Risk habitat		
Fragmentation of wildlife corridor		
Direct injury or mortality		
Disturbances to key lifecycle stages: breeding, feeding, nesting, staging		
Effects on population abundance		
Change in species diversity		
Effects on wildlife health (toxins, metals, etc.)		
Changes to migratory movement patterns		
Changes to predator-prey relationships		
Human-wildlife conflicts		
Other		
Aquatic Habitat		
Breeding disturbances		
Change in species diversity		
Effects on health (toxins, metals, sediment, etc.)		
Changes to migratory movement patterns		
Changes to predator-prey relationships		
Effects on population abundance		
Change in species diversity		
Other		
CULTURAL COMPONENTS		
Wildlife Harvesting		
Loss or reduction in game species populations		
Effects on traditional land use, subsistence, and harvesting rights		
Other		

Potential Impacts <i>Use an "X" to indicate which apply</i>	X	Potential Project Impacts and Proposed Mitigations <i>Describe the potential impact(s) and the proposed measure(s) to reduce each of these impacts.</i>
Cultural Integrity and Heritage Resources		
Change to or loss of cultural integrity		
Change to or loss of traditional lifestyle		
Change to or loss of heritage resource		
Other		
Social and Economic Well-being		
Increased human health hazard and risk		
Economic opportunities or losses (employment, training)		
Change in ecological, cultural, social, or economic values identified for protection in approved Land Use Plans		
Impairment of the recreational or traditional uses of the land or water		
Impairment of the aesthetic quality of the land or water		
Changes to the use of the area by other non-Indigenous people (e.g., trappers, outfitters, residents, hunters, forest harvesters, other authorized projects)		
Other		

Spill Contingency Plan: Include a Spill Contingency Plan in your Application Package, if applicable, or for small-scale activities, provide relevant details in the grey field provided below. An example of this Plan can be found in the INAC [Guidelines for Spill Contingency Planning](#).

An updated Spill Contingency Plan has been included in this submission package.

11. NAME AND CONTACT INFORMATION – CONTRACTORS AND SUB-CONTRACTORS

Include relevant names, responsibilities, and contact information in the grey fields below. An additional table should be added for each contractor and sub-contractor.

Name:	Chris Hughes		
Responsibilities:	Exploration Manager		
Company Name:	Equity Exploration Consultants Ltd.		
Mailing Address:	1238-200 Granville Street		
Community:	Vancouver	Telephone:	604-688-9806 ext 120
Prov/Terr:	BC	Email:	chrish@equityexploration.com
Postal Code	V6C 1S4	Other:	

Use an "X" to indicate that contractor and/or subcontractor information is not available at this time.

12. STUDIES UNDERTAKEN TO DATE

In the grey field below list any relevant studies that support the proposed activities and include them in your Application Package.

Archaeological Overview Assessment; Archaeological Investigation Assessment

13. PROPOSED PROJECT SCHEDULE AND TERM

Indicate the proposed project start and completion dates, and the time of year the project activities are planned to occur. Describe any anticipated temporary closure(s) or seasonal shutdowns. Indicate the term requested.

Start Date:	n/a	Completion Date:	January 2, 2030
This application proposes to amend existing Water Licence MV2022L8-0008, which expires January 2, 2023.			
Term of Licence Requested:	no change		

14. ADDITIONAL SUPPORTING INFORMATION

Use the grey field below to provide or reference the following information:

Engagement: Conduct engagement, prepare an Engagement Record and Engagement Plan in accordance with the LWB [Engagement Guidelines for Applicants and Holders of Water Licences and Land Use Permits](#), and include them in your Application Package. Templates are provided in the Guidelines. Please also refer to [Information for Proponents on MVLWB’s Engagement Requirements](#).

Eligibility: Contact Indigenous, federal, and territorial governments, and other parties to ensure all appropriate authorizations have been obtained or are in the process of being obtained. Obtain permission from the landowner(s), if necessary (e.g., obtain and reference licences of occupation, leases, access authorizations, etc.) and attach it/them to the Application.

Land Use Plans: Contact the applicable Land Use Planning Board or the Tłı̨chǫ Government for assistance in interpreting the requirements of the relevant Land Use Plan(s). Include a Land Use Plan Conformity Table, or if applicable, written confirmation of conformity from the Tłı̨chǫ Government, in your Application Package, demonstrating how the project meets the requirements of the Land Use Plan, if applicable.

Traditional Knowledge (TK): Provision of TK is mandatory for Applications to the Sahtu Land and Water Board. Other applicants are strongly encouraged to include TK.

Facilities: Include the supporting information required under subsection 5(2) of the [Waters Regulations](#) if the project includes the following: dam(s); storage reservoir(s); watercourse crossing(s); camp(s) or lodge(s);

use of water for industrial use or mining and milling; deposit of waste; or handling or storage of petroleum products or hazardous materials.

Closure and Reclamation: Include a Closure and Reclamation Plan in your Application Package, or for small-scale activities, describe the proposed closure and reclamation activities in the grey field provided below. Describe any temporary closure(s) and seasonal shutdowns. Refer to the LWB/AANDC [Guidelines for the Closure and Reclamation of Advanced Mineral Exploration and Mine Sites in the Northwest Territories](#) and Environment and Climate Change Canada's [Solid Waste Management for Northern and Remote Communities: Planning and Technical Guidance Document](#).

Closure Cost Estimate: Prepare a Closure Cost Estimate and include it in your Application Package. Applicants are encouraged to contact Board staff, prior to applying, to determine which closure-cost- estimate template is most suited to the project activities being applied for. Guidance is provided in sections 1.3 and 2.1 of the LWB/GNWT/CIRNAC [Guidelines for Closure and Reclamation Cost Estimates for Mines](#). If your Application is submitted concurrently with a Land Use Permit Application, the estimate should include a breakdown of water- and land-related activities and liabilities.

Financial Capacity: Provide information relating to your financial capacity, as outlined in paragraph 26(5)(d) of the [Waters Act](#). Please note this information will be required by the Board prior to issuance.

Engagement: No changes to the MVLWB-approved Engagement Plan are required at this time. An Engagement Record for this application has been included with this submission.

Eligibility: EREX eligibility to access and conduct project activities in the area has already been determined and activities are authorized through existing WL MV2022L8-0008 and MV2022L8-0009 and existing land use permit MV2022C0012. EREX is working with CIRNAC to ensure access agreements are in place for adjusted project activities taking place on federal lands.

Land Use Plans: N/A

Traditional Knowledge: Please see attached Engagement Record. EREX continues to work through early archaeological studies with communities and intends to host Traditional Knowledge sessions as the project progresses.

Facilities: Please see Project Description – Supplemental for information required under subsection 5(2) of the Waters Regulations.

Closure and Reclamation: Please see attached Closure and Reclamation Plan (Version 2.0) included with this submission.

Closure Cost Estimate: Please see attached security estimate included in this submission.

Financial Capacity: Available upon Board request.

15. FEES

Refer to the Guide for assistance with determining applicable fees.


Type of Fee	Amount (\$)
Application fee (if applicable):	\$30.00
Water use fee deposit:	\$
Total Fees:	\$

If fees are submitted separately, indicate how and when they will be delivered to the Board’s office.

--

16. SIGNATURE

April Hayward	Chief Sustainability Officer
Applicant’s Name (print) or Company Name	Position (print)

	2023 10 04
Signature	Date

Review the application package checklist provided in the Guide, and submit completed applications to the Regulatory Manager or Executive Director identified on the “Contact Us” pages of the respective Land and Water Board (www.mvlwb.com, www.wlwb.ca, www.slwb.com, www.glwb.com).