### 8.0 BUILDING 4782 – TESLIN WATER RESERVOIR

## 8.1 Description of Existing Water system

Building 4782, the Teslin Water Reservoir, is located within the Teslin Grader Station compound. The water reservoir building is equipped with transfer pumps to provide water to the adjacent grader station building, and on demand for truck fill for non-potable use such as vehicle cleaning and road watering. The water reservoir contains a large below grade concrete cistern that receives delivered water from the Village of Teslin community well. Until recently, however, water was piped 2 km from Teslin Lake and the infrastructure for the former piped system remains in place. The location of the reservoir, as well as other details about the surrounding area is provided as Figure 4782-A in Appendix A8. There is no treatment on the water system; however, the delivered water is chlorinated at the source. A schematic detailing the water system is provided as Figure 4782-B in Appendix A8. The coordinates of the wellhead measured by a hand held GPS device were:

• UTM ZONE 8

• Northing: 6673038

• Easting: 625969

### 8.2 Description of Existing Wastewater Systems

Wastewater is discharged to a septic field located behind the southwest corner of the grader station building greater than 60 m from the cistern.

## 8.3 Water Quality Results

### 8.3.1 Water Quality Results from Previous Sampling

There were no previous bacteriological or detailed potability sampling results available for review.

## 8.3.2 Identification of Additional Analytical Required

A sample was collected during the field program on July 16, 2005 for detailed potability analysis. The results are presented in Table 4782-2, and are summarized below:

- The water supplied by delivery to the cistern appears to be hard and highly mineralized;
- The turbidity was observed to be 2.49 NTU, which exceeds the CDWQG MAC of 1 NTU;
- The total and dissolved arsenic concentrations were below the current CDWQG MAC of 0.025 mg/L, but were greater than the proposed MAC of 0.005 mg/L;
- Field chemistry reported the pH to be 8.63, which is above the CDWQG aesthetic objective of 8.5; and,
- All other parameters analyzed were below the applicable CDWQG criteria for the sample(s) submitted.

### 8.3.3 Indicators of Potential Contamination

No elevated concentrations of indicator parameters were observed in the sample results reviewed.

## 8.4 Conceptual Hydrogeology

The Teslin Water Reservoir is supplied by water delivery and there are no wells on the property that were included in this study, therefore, very limited subsurface information was readily available and an assessment of the hydrogeology in the vicinity of this building was not required.

Jacobsen (2003) examined water source, treatment, storage, pumping, and water distribution facilities as well as operations and maintenance procedures for the Village of Teslin community well. The well is very deep, and has several confining low permeability units above it. As such, the aquifer from which this well obtains water is not likely under the direct influence of surface water, however, the well is approximately 60 m from Teslin Lake and may warrant further investigation.



#### 8.5 Potential Contaminant Sources

Potential contaminant sources observed during the site investigation are compiled in field notes provided in Appendix A8. Photos of potential contaminant sources are also provided at the end of this appendix.

Nearby potential sources of contamination relevant were identified as follows:

- An AST is located within 4 m of the cistern;
- Salt storage is located within 8 m of the cistern;
- A salt hopper is located within 40 m of the cistern;
- A used oil tank is located within 50 m of the cistern;
- A rock pit is located within 45 m of the cistern; and,
- A cold mix asphalt pile is located more than 60 m from the cistern.

It is unlikely that any of these potential contaminant source would impact on cistern water quality.

## 8.5.1 Spills Records and Contaminated Sites Search Results

The sewer lift stations sporadically spill raw sewage as documented in spills reports and a previous study prepared for the Teslin Tlingit Council near the Village of Teslin community well. Lift Station #4, which is close to the Village of Teslin community well, is particularly disconcerting because the tank or eduction system have frequently spilled or leaked. Based on a conceptual understanding of the hydrogeological regime for this area, the Village of Teslin community well is 34 m cross-gradient to lift station #4. Government spills reports confirm that large spills routinely occur at Lift Station #4. The depth to the aquifer (84 m) and thick confining layers provides reasonable protection for the Village of Teslin community well.

### 8.6 Identified Water System Deficiencies and Associated Risk

- 8.6.1 High and Medium Risk Deficiencies
  - Both the truck fill and cistern fill lines do not have proper caps;
  - There is no drain at the lower level of the reservoir:
  - There is no regular cistern cleaning schedule;



- This concrete cistern is not suitable for drinking water storage;
- There is no water disinfection system;
- There are no bacteriological results available for review.

In consideration of the condition of the cistern, and the difficulty to rehabilitate it to make it suitable for storage of a drinking water supply, it is advisable to find an alternate source of drinking water for the grader station building.

### 8.6.2 Low Risk Deficiencies

 The arsenic concentration was above the proposed CDWQG MAC of 0.005 mg/L.

## 8.7 Mitigative Options for Deficiencies

Mitigative options were developed to address the deficiencies identified in the previous section. Deficiencies are categorized by recommended level of priority (with Priority 1 being most critical).

## 8.7.1 Priority 1

- Install a suitably designed water storage tank in the grader station and use water delivery for the potable water supply;
- A regular cleaning schedule should be initiated and the residual chlorine should be frequently monitored;
- Disconnect the cistern from domestic supply and use for truck-fill only;
- Regular bacteriological testing should be completed.

### 8.7.2 Priority 2

There are no Priority 2 mitigative options identified for this site.



## 8.7.3 Priority 3

If in the future it is considered unfeasible to continue supplying grader station with water from a delivered source, it is possible that a well could be drilled on the property. The new well should be constructed considering the following:

- The well should be equipped with a surface seal to at least 6 m and the casing should be extended above grade (500 mm) within a lockable enclosure that is inaccessible to animals and unauthorized personnel;
- The well must be located at a distance greater than 30 m from any potential source of contamination, including the above ground storage tank and all parts of the septic system; and,
- The water from the new well must meet all CDWQG health based guidelines. If there are any exceedences in the CDWQG health-based guidelines then a treatment system must be designed and installed as necessary. A disinfection system would likely also be recommended.

## 8.8 Cost Estimates for Mitigative Options

Engineering costs for mitigative options are estimated to be 20% of construction costs, and would include inspection and completion reporting. The costs for materials and labour (not including engineering) are provided in the sections below. An additional contingency allowance of 20% is suggested for budgetary purposes.

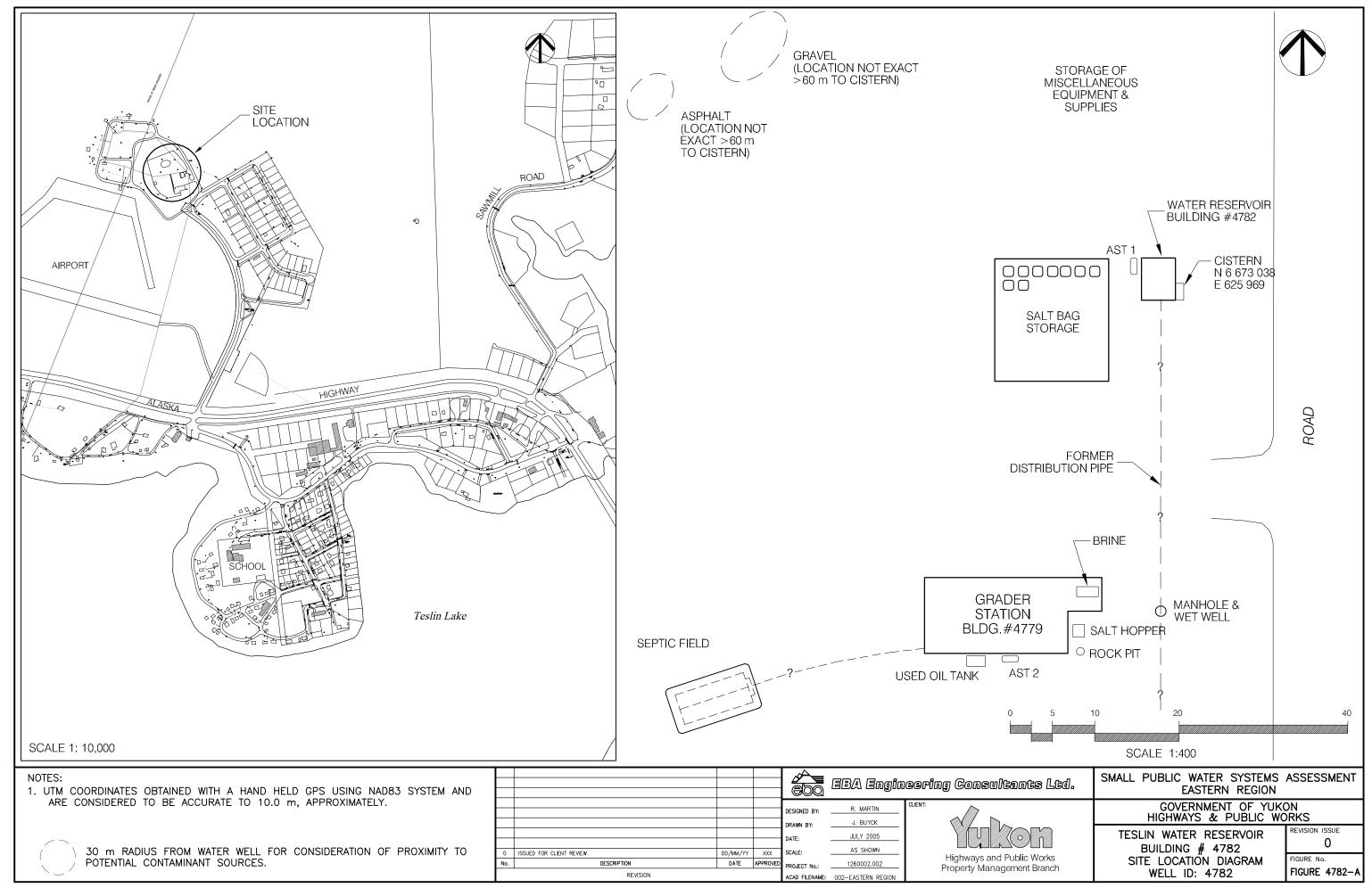
#### 8.8.1 Priority 1

- The cost associated with installing a water storage tank in the grader station maintenance building and disconnecting the domestic supply from the cistern would cost in the order of \$10,000; and,
- Conducting regular bacteriological testing should be conducted under normal operation and maintenance budget.

## 8.8.2 Priority 3

• The cost associated with drilling a new well, assuming 40 m of overburden, including drilling, testing, and connecting the new well, would cost in the order of \$35,000.





## LEGEND



**PUMP** 



PRESSURE GAUGE



- GATE VALVE



CHECK VALVE



SOLENOID



COMPONENT ID. No. (SEE TABLE ON FOLLOWING PAGE)



FLOW METER



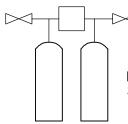
WATER FILTER (CARTRIDGE TYPE)



PRESSURE TANK



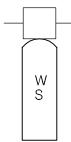
CHLORINE RESERVOIR AND INJECTION PUMP



**DUPLEX WATER** SOFTENER

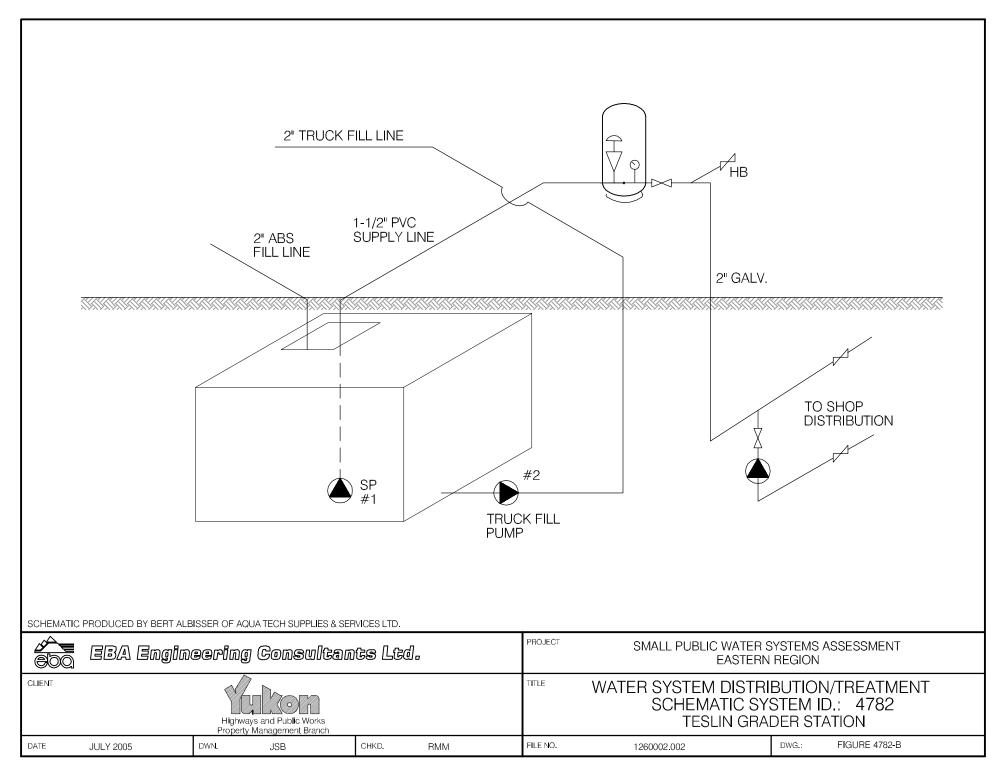


WELL WITH SUBMERSIBLE PUMP



**ACTIVATED CARBON** 

	EBA Engineering Consultants Ltd	PROJECT SMALL PUBLIC WATER SYSTEMS ASSESSMENT EASTERN REGION
	CLIENT  Highways and Public Works Property Management Branch	SCHEMATIC SYSTEM LEGEND
I	DATE APRIL 2006 DWN. JSB CHKD. RMM	FILE NO. 1260002 DRWG. LEGEND



## Eastern Region – Water Reservoir Building # 4782

## **DISTRIBUTION & TREATMENT SYSTEM DATA**

Item	Description	Manufacturer	Model	Part No.	Serial No.	Size
1	Sus. Perme	N/A	N/4			4"- 1HP
2	Sus Perme TRUCK FILL Pump	MONARCH	6MF-Z		685	
3	PRESSURE TANK	Won RITE	WR240R FSG-Z			3072
4	PRESSURE SWITCH	Sa. A	F56-2			2" 14 Fir
5	PRESSURE GAUGE	MARSH	0-100 PSI			24
6						
7						
8						
9						
10						



## TABLE 4782- 1: SUMMARY OF BACTERIOLOGICAL RESULTS

		Number of	<b>Time Period</b>	Any Positive	Fraction of	Any positive	Most Recent	Is Most
		Sampling	over which	<b>Total Coliform</b>	Positive	E.Coli results?	Sampling Event	Recent Result
		Events	Sampling	Results?	Total	(yes or no)	Available for	Positive?
			was Done	(yes or no)	Coliform		EBA Review	
					Results vs.	•		
i					Total			
					Sampling			
					Events			
Building #	Building Name							
4782	Water Reservoir	NO BACTERIOLOGICAL RESULTS ARE AVAILABLE FOR THIS SITE						



**Table 4782-2: Water Quality Results** 

Table 476	Z-Z. VV	itei Qua	iity itest	nto	
SOURCE:	Building 4782 - Water Reservoir				
Location/ Resident					
Address	Teslin				
Treatment		lo	CCDWO Critoria		
Disinfection		lo	GCDWQ Criteria		
Source of Water	Water	Delivery	·		
Purpose of Sampling	Baseline	Additional Sampling			
Sample Location		Washroom Tap			
Date Sampled		16-Jun-05	Lower	Upper	Limit
Physical Tests (ALS)			AO	MAC	AO
Colour (CU)		6.1			15
Conductivity (uS/cm)		582			
Total Dissolved Solids		362			500
		251	AO >200 == =	oor, > 500 un	
Hardness CaCO3				oor, > 300 un	o z
pH OKEN D		8.31	6.5	1	8.5
Turbidity (NTU)		2.49		1	3
Disselved Assistant (AFG)					
Dissolved Anions (ALS)		220			
Alkalinity-Total CaCO3		238			250
Chloride Cl		4.61		1.5	250
Fluoride F		0.17		1.5	500
Sulphate SO4		105		10	500
Nitrate Nitrogen N		<0.10		10	
Nitrite Nitrogen N		< 0.10		1	
Ammonia Nitrogen N		0.036			
		ļ		ļ	
Total Metals (ALS)					
Aluminum T-Al		<0.010		0.1	
Antimony T-Sb		<0.00050		0.006	
Arsenic T-As		0.0162		0.025	
Barium T-Ba		0.03		1	
Boron T-B		< 0.10		5	
Cadmium T-Cd		<0.00020		0.005	
Calcium T-Ca		41.7			
Chromium T-Cr		<0.0020		0.05	
Copper T-Cu		0.0218		1	
Iron T-Fe		0.295			0.3
Lead T-Pb		<0.0010		0.01	
Magnesium T-Mg		35.8			
Manganese T-Mn		0.013			0.05
Mercury T-Hg		< 0.00020		0.001	
Potassium T-K		1.8			
Selenium T-Se		< 0.0010		0.01	
Sodium T-Na		39.1			200
Uranium T-U		0.00017		0.02	
Zinc T-Zn		0.065			5
Organic Parameters					
Total Organic Carbon C		2.19			
Field Chemistry (EBA)				T	
pH	<u> </u>	8.63	6.5	1	8.5
TDS (ppm)		291			500
EC (uS/cm)		586			
Temperature (°C)		7.1			
		/.1			

#### Notes:

- A. Guidelines indicated for hardness are not CDWQG, rather they are general aesthetic guidelines
  - exceedences are indicated in yellow highlighting.

Italics and underline indicates exceedence of proposed MAC (ie. arsenic)

Bold with Yellow highlighting indicates exceedence of CDWQG Aesthetic Objective (AO)

<u>Bold Underline with Yellow highlighting indicates exceedence of CDWQG MAC</u>

Results are expressed as milligrams per litre except for pH and Colour (CU), Conductivity (umhos/cm),

Temperature (°C) and Turbidity (NTU) < = Less than the detection limit indicated.

AO = Aesthetic Objective

MAC = Maximum Acceptable Concentration (Health Based)



## **Table 4782-3: Summary of Well Assessment Results SMALL PUBLIC DRINKING WATER SYSTEMS**

Well Identification			GPS Coordinates		
Building #	g# Building Name Location		Northing (+/- 10 m)	Easting (+/- 10 m)	Grade Elevation (+/- 10 m)
4782	Water Reservoir	Teslin	6673038	625969	704

	Well Details						
Well Casing Diameter (mm)	Year Well Installed	Well Log?	Well Depth (m bg)	Reported Low Permeabilty Protective Layer?	Pump Setting (m bg)	Well Capacity - Tested, or Reported by User	Static Water Level Below Ground (m-btwc)

No well, system is on water delivery

Potential Contaminant Sources						
Distance from well to nearest point of septic field (m)	Distance from well to nearest building (m)	Distance to surface water body (m)	AST present on property?	Distance from well to AST (m)	Other potential sources of contamination observed on property, and distance to well	
		Greater than 60 m			Salt storage at 8 m	
	Inside water resevoir building		AST 1	4	Salt Hopper at 40 m	
Greater than					Used Oil Tank at 50 m	
60 m			AST2		Rock Pit at 45 m	
				50	Asphalt Pile at over	
					60 m	

	Well Construction Details						
Wellhead Above ground (m)	Well Cap	Well Screen	Surface Seal	Apron Grading	Comments		
N/A	N/A	N/A	N/A	N/A			



## SMALL PUBLIC WATER SYSTEM ASSESSMENT

RT A: EBA Site Inspection Partin		Deta Total 16 7 0 0 5
Luke Lebel		Date June 16, 2005
WELL ID #	Owner	Location Description
4782	YTG	Water Reservoir/Testin Grader State
Well Location and Potenti	al Contaminant Sou	rces
General location of well:		
Specific location: (Road Testin Grader S		mber, name of owner and/, legal description,
		69 elev. 704m ±8m
Is there electric power?		□ No
Is there outside water acc	ess?	No
Does the well system hav	e:	
15 or more service connection	ons to a piped distributi	ion system? If so how many
		n system? If so how many
		inside the water reservoir
Distance from well to bui		
If there is an account 1	1 f -14 '- '4-1'	м. I
If there is an effluent disp reservoir Distance from well to nea	vosai field, is its locati	ion known? Yes No
Distance from wento nea	irest point of known f	ieia: \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Well location relative to f	field: upslope	☐ downslope ☐ lateral

1	1.	Is there any part of a sewage disposal system(s)or other potential sources of pollution that may pose a
1	hea	Ith and safety risk within 30 m?
	m.	Is the well located within 300 m from a sewage lagoon or pit?   Yes No
1	n.	Is the well located within 120 m from a solid waste site or dump, cemetery? $\square$ Yes $\bowtie$ No
•	o.	Is the infrastructure protecting the wellhead, pumphouse, storage tank and/or water treatment
		plant designed and secured to prevent:
		Unauthorized access by humans? A Yes D No Entrance by animals? A Yes D No Inside building equiped w/ padlock on the door
:	p.	Is well site subject to flooding?  Yes  No
,	q.	Is the well site well drained? \( \sum \text{Yes} \) \( \sum \text{No} \) The area around the enclosure is graded away from well
:	r.	Is there a buried fuel tank on the property? \( \sum \) Yes \( \sum \) No \( \cup \) \( \ke\)
		If yes, is it  in use  abandoned
		Is the location known?
		Distance from the well to known buried tank
	s.	Are there any other known contaminant sources on the property?
		Yes No Describe Proximity with respect to the water reservoir
		If yes, specify the source: $\square$ dump $\square$ sewage lagoon $\square$ cemetery $\square$ other
2-N1 6672984	/ 	Potential Source 1: ASTI, 2; Distance from well to Potential Source 1: 4m,
ely 710m s	Bur \	Potential Source 2: Salt Storage; Distance from well to Potential Source 2: 8m  Potential Source 3: Salt Hopper; Distance from well to Potential Source 3:
	/	Potential Source 3: / Solt Hopper; Distance from well to Potential Source 3:
		Potential Source 4: Used oil tank; Distance from well to Potential Source 4:  Rock Pit -> Possibly @ ~ 45 m N: 667299 4 E: 625978
	t.	Are there other-wells on this property? \( \sum \) Yes \( \sum \) No \( \cup \)   Ke   \( \sum \)
		How many? ☐ in use ☐ abandoned ☐ require proper sealing

<u>2. V</u>	Vell and Wellhead information:
a.	When was well installed? Year Unknown Month
b.	Type:  drilled  dug  sand point  other  //A
c.	Is there a drillers log for the well: $\square$ Yes $\square$ No $V/k$
d.	Is there a surface seal to 6 m ☐ Yes ☐ No ☐ unknown ☐ unlikely M/A
e.	Surface casing:
f.	Well casing: Diameter Material: □ steel □ plastic □ concrete №/4
g.	Depth of well:
h.	Static water level below ground:
	☐ measured (if possible) ☐ reported ☐ from log ☐ flowing
i.	(If granular) Is the well completed: $\square$ open end casing $\square$ with a well screen $N/A$
	☐ with slotted pipe ☐ unknown other
j.	(If bedrock) Does the well have a liner?    yes    No    steel    plastic    //A
k.	If there is a well screen: length slot size(s)N/4
	Location of screen: from to from log reported
1.	Is there a sump below the screen? $\square$ Yes $\square$ No $N/A$
m.	Is the well head: I in pumphouse I in pit I pitless adaptor I in a building reservoir  The reservoir is made of concrete.  The enclosure is made of timbers, but is made of concrete a 40 cm I in a wooden enclosure other, describe above grade and below
n.	

	i.	Is the well head below grade? describe in detail The water reservoir is made of concrete and installed below grade
	ii.	Are there signs of ponding on the enclosure(e.g. water stains, etc.)? \( \subseteq \text{ Yes } \subseteq \text{ No} \) The basement of the building has been flooded: \( \subseteq \text{ Sch of water} \)
	iii.	Is the wellhead enclosed by fiberglass insulations?   Yes   No
	iv.	Any evidence of rodents? Specify There was no evidence of rodends inside building
	v.	Does the well casing have a proper seal cap?
		If no, describe condition
3. V	Wate	r Supplying This Well:
a.		definition is the water from a surface water source or under the direct influence of surface water?
		☐ Yes ☐ No ☐ farther investigation required.
	If y	es is there treatment \( \sum \) Yes \( \sum \) No
	Exp	plain (filtration, disinfection etc)
4. /	<u> Aquif</u>	er Supplying This Well:
a.	The	e aquifer is:  bedrock  granular sediment  unknown
b.	Doe	es water level and/or well capacity show seasonal fluctuation?   Yes  No  N/A
<u>5.</u>	<u>Pur</u>	mp Installation:
a.	Is tl	he well-equipped with a pump? Yes  No
b.	Тур	pe of pump:  hand Relectric submersible  jet
		shallow well centrifugal  other,
c.	Des	scription: Manufacturer Model
		horsepower capacity voltage

## EBA Engineering Consultants Ltd. Creating and Delivering Better Solutions Date installed: By: d. For submersible pump, depth of setting below surface Drop pipe for submersible pump: steel □ plastic f. Pump delivers water to: pressure tank elevated tank other Are there automatic pump controls: X Yes h. Is there provision for taking water samples before water reaches storage? Yes No Is there a water meter on the system? $\square$ Yes Unknown Is the pump and piping protected from freezing? If yes, describe: There is a heater inside the reservoir building Comments on pump installation: Pump is submersed in reservoir 1. 6. Conclusions a. Comments on overall installation: This water system includes a concrete water reservoir 2.5m x 5m x 3m located inside water teservoir building. Water is from a delivered source, up until recently the water had been piped from Teslin Lake. b.Recommendations:

## EBA Engineering Consultants Ltd.

Creating and Delivering Better Solutions

<u>P</u> A	RT B: EBA Site Inspecti	<u>on</u>				
Ins	pector: BERT ALBIS	SER	Date June	16 05		
				·		
	WELL ID#	Owner	Location Descr			
	4782	YTG.	TESLIN WATER	RESERVOIR		
6.	Water Treatment			1		
a. Is well water treated? The Yes In No; Type of treatment: DELIVERENT				ED WHEN.		
	☐ chlorination ☐ iro	on and or manganese remo	val			
b.	Is water entering plumbin	Is water entering plumbing or piped distribution system treated with chlorine or another treatment that is				
	as effective as chlorine	on throughout the system?				
	☐ Yes ☑ No	If so how				
c. If treated with chlorine, is the free residual chlorine concentration less than 0.2 mg/L						
	□ Yes □ No _	reading				
	Tested at		_(location)			
d.	Is testing for chlorine resid points in a piped distribution		the tap (eg. Kitchen faucet) ont from tap at the end line	r from representative		
	☐ Yes ☑ No	If yes how ofte	n?			
e.	If the drinking water is be	ing transported by water	lelivery truck does it have a n	ninimum chlorine free		
		the time of fill. Yes	□ No			
7.	Water Quality (observation)	tions):		in the second se		
a.	Does the water stain plum	abing? □yes □ No □ s	light □_severe	P. 13		
	Type of stain:	brown □ red □	black			
b.	Does the water contain se	diment?	o occasional co	nstant		
c.	Is there an unpleasant odo	our?	Io ☐ H <sub>2</sub> S ☐ Other			

EBA Engineering Consultants Ltd.				
Creating and Delivering Better Solutions				
d. Is there an unpleasant taste? Yes \( \sigma \) No \( \sigma \) brackish \( \sigma \) Other \( \sigma \)				
e. Is there a history of bad bacterial analyses? ☐ Yes ☐ No N/ ★				
f. Is there a chemical analysis?				
g. Is there analysis of trihalomethanes (THMs) where the water source is a surface water supply or a well under the direct influence of surface water?   Yes  No				
Is the drinking water tested daily with an accurate reading chlorine test kit capable of reading in the				
range 0 to 3.5 mg/L of free chlorine residual in increments of 0.1mg/L?   Yes   No  unknown				
If yes is the test performed in accordance with manufactures directions?   Yes   No   unknown				
j. Is a record of the date, time,name of person performing the test and results of the drinking water sample				
kept?				
TANK AND PIPING DETAILS				
Tank Room  Is there a water tank? Yes No Details:				
Where is it located?				
Comments: OUT SUILDING				
Is the room in which the water tank is located heated to maintain an optimum temperature of 4°C for stored water?  YES NO  Comments:				
Are there windows in the add-on that may allow direct sunlight onto the water holding tank? YES				
NO				
Comments:				
Are there other heat sources near the tank? YES NO  Comments:				
Is there waterproof flooring with a sealed base to contain spills? YES NO Comments:				

Overall Tank				
What are the tank size and dimensions?				
5' Wx 16' L x 10' H 5000 GALLOW ROPROX				
What material is the tank constructed of?				
Is tank and associated piping constructed of safe materials (i.e. CSA approved and material that does				
not affect the taste of the water)? YES NO				
Comments:				
Tank Inlet, Outlet and Lid  Is there adapted access on the tank for elemina (i.e. min 15" access lid)? VES NO				
Is there adequate access on the tank for cleaning (i.e. min 15" access lid)? YES NO				
Does the lid have a tight seal and is it watertight when closed? YES NO				
Does the tank have an overflow or high level whistle? YES NO				
Is the water tank drain accessible? YES (NO)				
WATER TANK AND WATER QUALITY CONDITION				
Are there signs of staining or biofouling? YES NO				
Comments: Ilon STAINING'				
Is there any sediment or scum in bottom of tank? YES NO Comments:				
Is there any odour associated with the water or tank? YES NO				
Have there been any bacteriological analyses conducted previously? YES NO				
Does the tank appear that it has been cleaned recently? YES NO				
Are the tanks easily assessed for the purpose of cleaning and disinfection? XES NO				

•	~		
×	Onc	HIIGIA	nc
v.	Conc	IUSIU	ПЭ

	<b>~</b>		- 11		
a.	Comments	on	overall	ınstal	lation:

THIS INSTALLATION DOES NOT MEET DRINKING WATER
System STANDERDS. THE CYSTERN ACCESS IS NOT
SECURDED WITH A LID OF ANY KIND. THERE IS A
Sirong DIESEL FLIER ODOUR IN THIS PHILDING. BOTH
THE TENCK FILL LINE AND THE CYSTERN FILL LINE
ARR EXPOSED WITHOUT A PROPER CAP. THORE IS NO
DRAIN OR SUMP PLUMP AT THE LOWER LEVEL.

## b. Recommendations:

CLEAN THE CONCRETE CYSTERN. NSTAN PROPERLY	1 STALES
LID. REPIPE THE SUB. PLUMP SYSTEM WITH	PROPER
STALED WAY SLOWES INSTAU PROPERLY SERVED	tine
LIVE TO THE CYSTERN. SUPERCHIDENLES	THE
COMPLETE PIPING SYSTEM INSTITUTE PROPER	CHOLINE
RESIDAM TESTING.	



Photo 0218: 4782 Water Reservoir building



Photo 0220: 4782 Cistern inside Water Reservoir building



Photo 0222: 4782 Teslin Grader Station (back) and Water Reservoir building (right)



**Photo 0221:** 4782 Basement of Water Reservoir building. Water pump (centre), cistern behind left wall, note flooding on the floor.







Photo 0009: 4782 Entrance to cistern

Photo 0009: 4782 Pressure tank

