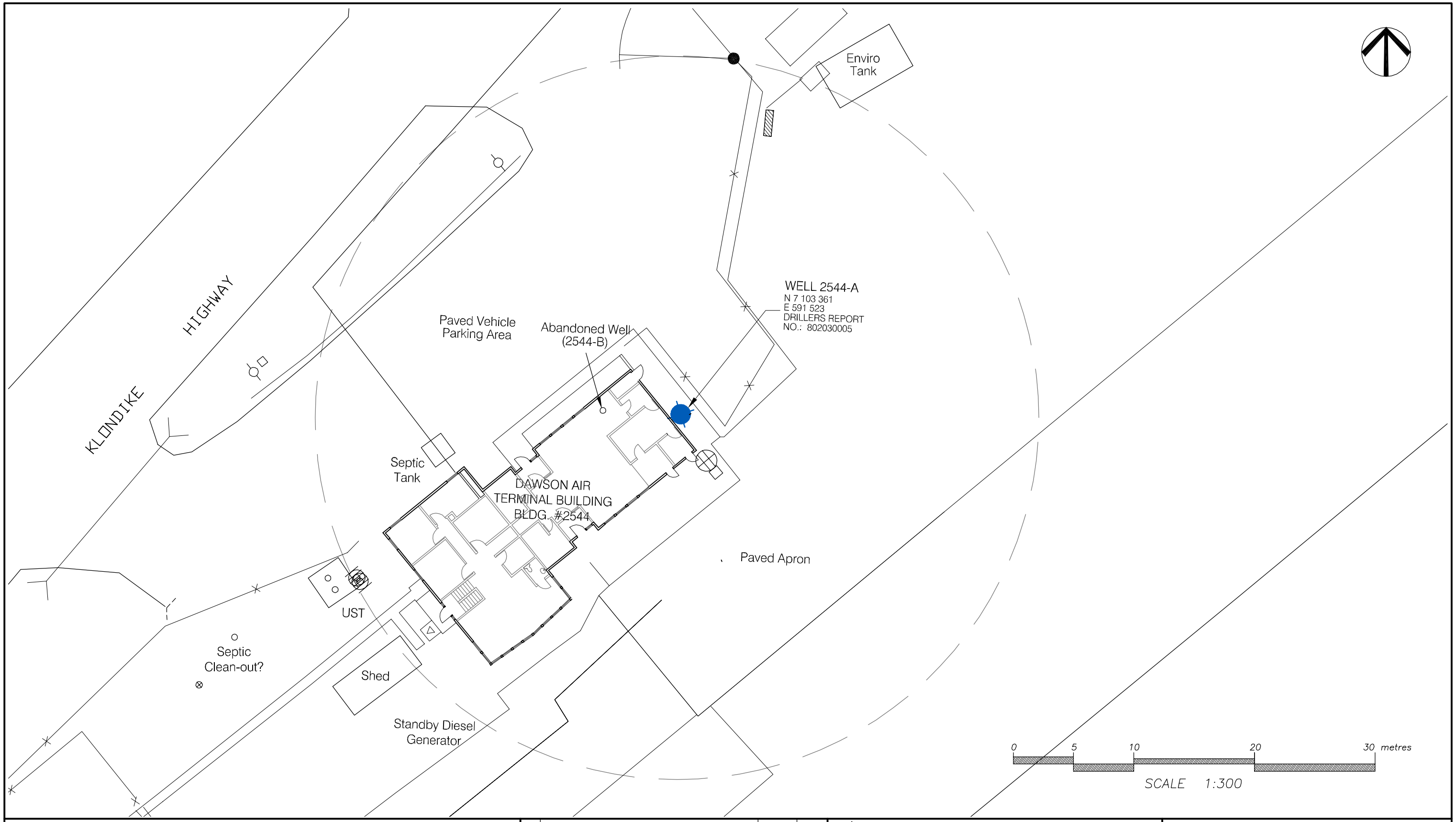


NOTES:

1. UTM COORDINATES OBTAINED WITH A HAND HELD GPS USING NAD83 SYSTEM AND ARE CONSIDERED TO BE ACCURATE TO 10.0 m, APPROXIMATELY.

30 m RADIUS FROM WATER WELL FOR CONSIDERATION OF PROXIMITY TO POTENTIAL CONTAMINANT SOURCES.

No.	DESCRIPTION	DATE	APPROVED
0	ISSUED FOR CLIENT REVIEW	DD/MM/YY	XXX

REVISION

EBA Engineering Consultants Ltd.

DESIGNED BY:	R. MARTIN
DRAWN BY:	J. BUYCK
DATE:	SEPT. 2005
SCALE:	AS SHOWN
PROJECT No.:	1260002.004
ACAD FILENAME:	004-NORTHERN REGION

CLIENT: Yukon
Highways and Public Works
Property Management Branch

SMALL PUBLIC WATER SYSTEMS ASSESSMENT
NORTHERN REGION

GOVERNMENT OF YUKON
HIGHWAYS & PUBLIC WORKS

DAWSON AIR TERMINAL BUILDING
BUILDING # 2544
SITE LOCATION DIAGRAM
WELL ID: 2544

REVISION ISSUE 0

FIGURE No. FIGURE 2544-A

Z:\0201Drawings\1260002 Water Assessment YTG\004 - Northern Region\dawson\1260002004 Dawson Terminal Building_2544A Site Plan.dwg, 4/6/2006 8:38:54 AM, Adobe PDF, jbuyck

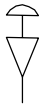
LEGEND


PUMP


PRESSURE GAUGE


GATE VALVE


CHECK VALVE

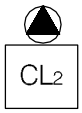

SOLENOID

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

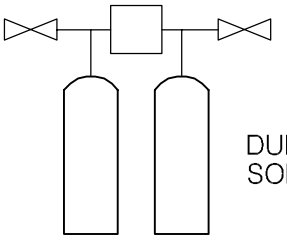
FLOW METER

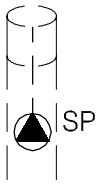
WATER FILTER
(CARTRIDGE TYPE)

PRESSURE TANK

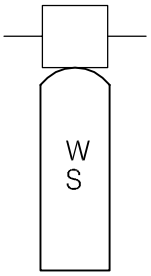


CHLORINE RESERVOIR AND
INJECTION PUMP


DUPLEX WATER
SOFTENER

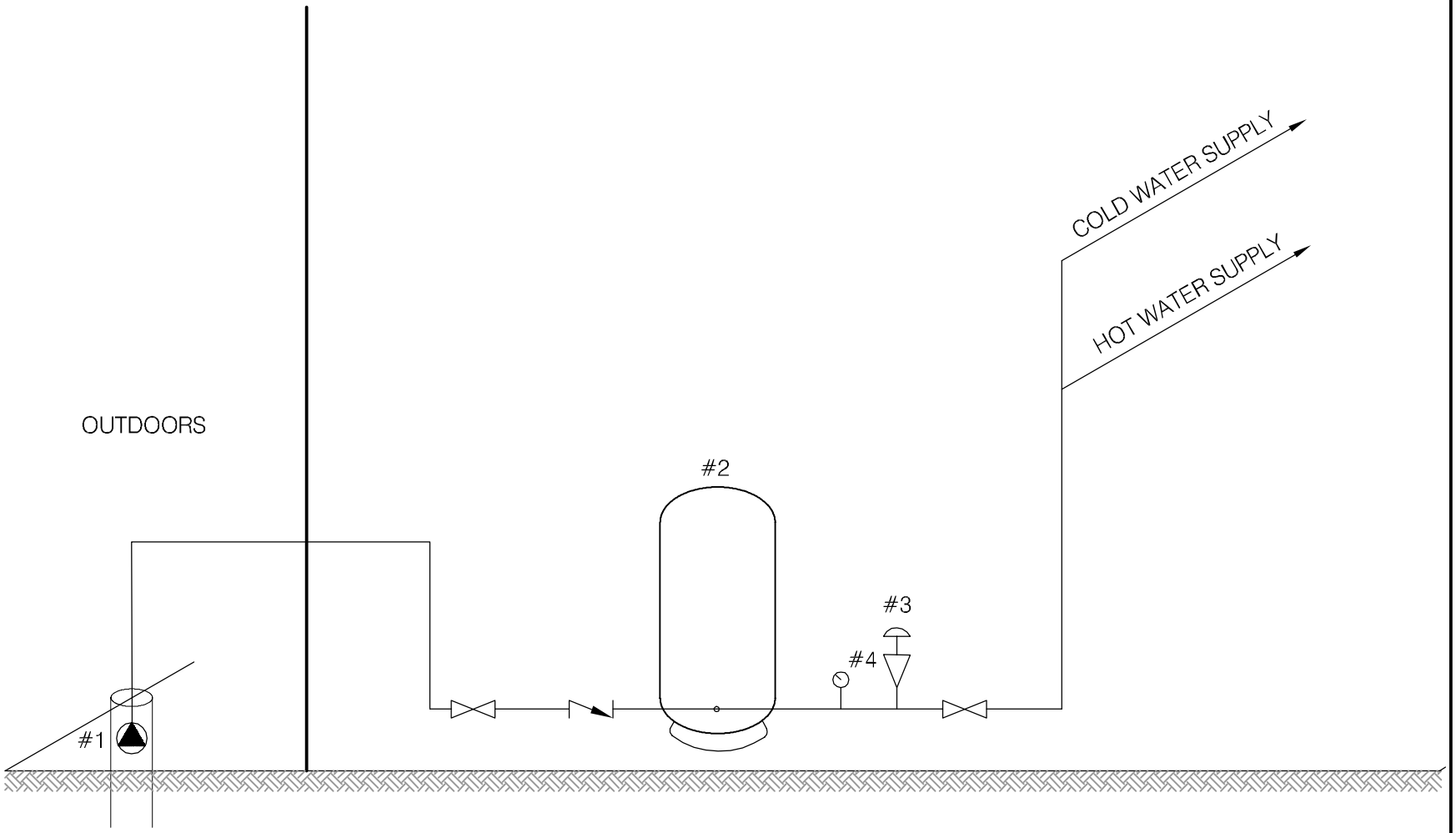


WELL WITH
SUBMERSIBLE PUMP



ACTIVATED
CARBON

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



DRAWING IS BASED UPON SCHEMATIC PROVIDED BY BERT ALBISSER OF AQUA TECH SUPPLIES AND SERVICES LTD.

EBA Engineering Consultants Ltd.			PROJECT	SMALL PUBLIC WATER SYSTEMS ASSESSMENT NORTHERN REGION	
CLIENT Yukon Highways and Public Works Property Management Branch			TITLE	WATER SYSTEM DISTRIBUTION/TREATMENT SCHEMATIC SYSTEM ID.: 2544 AIR TERMINAL BUILDING - DAWSON, YT.	
DATE SEPT. 2005	DWN. JSB	CHKD. RMM	FILE NO. 1260002.004		DWG.: FIGURE 2544-B

Z:\0201Drawings\1260002 Water Assessment YTG\004 - Northern Region\dawson\1260002004 Dawson Terminal Building_2544B Schematic.dwg, 4/4/2006 4:39:25 PM, Adobe PDF, jbuyck

Northern Region – Dawson City Air Terminal Building
Building # 2544

DISTRIBUTION & TREATMENT SYSTEM DATA

Item	Description	Manufacturer	Model	Part No.	Serial No.	Size
1	SUB. PUMP	N/A	4" - 1/2 HP			1/2 HP.
2	PRESSURE TANK	CHALLENGER	PC144			44 GALLON
3	PRESSURE SWITCH	SQUARE D	FSG-2			2 HP - 1/4 FIPT
4	PRESSURE GAUGE	MARSH	0-100 PSI			2" - 1/4 FIPT.
5						
6						
7						
8						
9						
10						

TABLE 2544 - 1: SUMMARY OF BACTERIOLOGICAL RESULTS

Building #	Building Name	Number of Sampling Events	Time Period over which Sampling was Done	Any Positive Total Coliform Results? (yes or no)	Fraction of Positive Total Coliform Results vs. Total Sampling Events	Any positive E.Coli results? (yes or no)	Most Recent Sampling Event Available for EBA Review	Is Most Recent Result Positive?
2544	Dawson City Airport Terminal Building	7	Oct-04 to Jun-05	no	0/7	no	9-Jun-05	no

Table 2544 - 2: Water Quality Results

SOURCE:	Building 2544 - Dawson City Airport Terminal Building			GCDWQ Criteria		
Location/ Resident	Dawson City					
Address						
Treatment	None					
Disinfection	None					
Source of Water	On-site well					
Purpose of Sampling	Base Line	Base Line	Additional Sampling			
Sample Location						
Date Sampled	29-Sep-04	8-Jun-05	19-Aug-05	Lower	Upper Limit	
Physical Tests *(ALS)*				**AO**	**MAC**	**AO**
Colour (CU)	<5	<5.0				15
Conductivity (uS/cm)		326				
Total Dissolved Solids	187	191				500
Hardness CaCO3	170	163		AO >200 = poor, > 500 unacceptable[A]		
pH	7.4	7.41		6.5		8.5
Turbidity (NTU)	0.4	0.15			1	5
UV Absorbance			0.025			
% UV Transmittance			94.4			
Dissolved Anions *(ALS)*						
Alkalinity-Total CaCO3	112	108				
Chloride Cl	2	1.79				250
Fluoride F	0.05	0.066			1.5	
Silicate SiO4						
Sulphate SO4	55.3	61.5				500
Nitrate Nitrogen N	0.3	0.94			10	
Nitrite Nitrogen N	<0.05	<0.10			3.4	
Ammonia Nitrogen N						
Total Phosphate PO4						
Total Metals *(ALS)*						
Aluminum T-Al	<0.005	<0.010			0.1	
Antimony T-Sb	0.0003	<0.00050			0.006	
Arsenic T-As	0.0027	0.00243			0.025	
Barium T-Ba	0.018	<0.020			1	
Boron T-B	0.006	<0.10			5	
Cadmium T-Cd	0.00003	<0.00020			0.005	
Calcium T-Ca		44.3				
Chromium T-Cr	0.0009	<0.0020			0.05	
Copper T-Cu	0.153	0.339			1	
Iron T-Fe	0.02	<0.030				0.3
Lead T-Pb	<0.0001	<0.0010			0.01	
Magnesium T-Mg		12.7				
Manganese T-Mn	0.023	0.0046				0.05
Mercury T-Hg		<0.00020			0.001	
Potassium T-K		0.55				
Selenium T-Se		<0.0010			0.01	
Sodium T-Na	2.4	<2.0				200
Uranium T-U	<0.0005	0.00011			0.02	
Vanadium T-V						
Zinc T-Zn	0.013	<0.050				5
Organic Parameters						
Tannin and Lignin			<0.10			
Total Organic Carbon C			1.71			
Field Chemistry (EBA)						
pH				6.5		8.5
TDS (ppm)						500
EC (uS/cm)						
Temperature (°C)						
Free Available Chlorine						

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)

Bold Underline with Yellow highlighting indicates exceedence of CDWQG MAC

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)

eba

EBA Engineering Consultants Ltd.
Creating and Delivering Better Solutions

SMALL PUBLIC WATER SYSTEM ASSESSMENT

PART A: EBA Site Inspection

Inspector: Ryan Martin, Luke Lebel Date August 19, 2005

WELL ID #	Owner	Location Description
2544	YTG	Dawson City Airport Terminal Building

1. Well Location and Potential Contaminant Sources

a. General location of well: (Community, Subdivision, etc.)
Dawson City

b. Specific location: (Road or street, Building number, name of owner and/, legal description,
Dawson City Airport

c. GPS location: N 7103361 E591523 elv 375m ±9m

d Is there electric power? ☒ Yes ☐ No

e Is there outside water access? ☒ Yes ☐ No

f. Does the well system have:

☐ 15 or more service connections to a piped distribution system ? If so how many_____
Airport Terminal Building

☐ 5 or more delivery sites on a trucked distribution system? If so how many_____

g. Nearest building, specify Terminal building

h. Distance from well to building ~4m

i. If there is an effluent disposal field, is its location known? ☐ Yes ☐ No ✱

j. Distance from well to nearest point of known field: _____

k. Well location relative to field: ☐ upslope ☐ downslope ☐ lateral

l. Is there any part of a sewage disposal system(s)or other potential sources of pollution that may pose a health and safety risk within 30 m? ☒ Yes ☐ No
Septic tank @ ~28m

m. Is the well located within 300 m from a sewage lagoon or pit? ☐ Yes ☒ No

n. Is the well located within 120 m from a solid waste site or dump, cemetery? ☐ Yes ☒ 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? ☒ Yes ☐ No Enclosure is unlocked, but is inside airport secure area
Entrance by animals? ☒ Yes ☐ No Acess possible, but unlikely

p. Is well site subject to flooding? ☐ Yes ☒ No

q. Is the well site well drained? ☒ Yes ☐ No

r. Is there a buried fuel tank on the property? ☒ Yes ☐ No

If yes, is it ☒ in use ☐ abandoned

Is the location known? ☒ Yes ☐ No
Distance from the well to known buried tank ~36m

s. Are there any other known contaminant sources on the property?

☒ Yes ☐ No Describe _____

If yes, specify the source: ☐ dump ☐ sewage lagoon ☐ cemetery ☐ other

Potential Source 1: AST 1 ; Distance from well to Potential Source 1: ~30m
Potential Source 2: AST 2+3 ; Distance from well to Potential Source 2: >60m
Potential Source 3: _____ ; Distance from well to Potential Source 3: _____
Potential Source 4: _____ ; Distance from well to Potential Source 4: _____

t. Are there other wells on this property? ☒ Yes ☐ No

How many? 1 (possibly 2) ☐ in use ☒ abandoned ☐ require proper sealing

2. Well and Wellhead information:

a. When was well installed? Year 1988 Month September

b. Type: ☒ drilled ☐ dug ☐ sand point ☐ other _____

c. Is there a drillers log for the well: ☒ Yes ☐ No

d. Is there a surface seal to 6 m ☐ Yes ☒ No ☐ unknown ☐ unlikely

e. Surface casing: ☐ Yes Diameter _____ ☒ No

f. Well casing: Diameter 15 cm Material: ☒ steel ☐ plastic ☐ concrete

g. Depth of well: 40 ft ☐ measured (if possible) ☐ reported ☒ from log

h. Static water level below ground: 15.5 ft

☐ measured (if possible) ☐ reported ☒ from log ☐ flowing

i. (If granular) Is the well completed: ☐ open end casing ☒ with a well screen

☐ with slotted pipe ☐ unknown other _____

j. (If bedrock) Does the well have a liner? ☐ yes ☐ No ☐ steel ☐ plastic

k. If there is a well screen: length 2.5 ft slot size(s) 18 slot
Location of screen: from 37.5 ft to 40 ft from log reported

l. Is there a sump below the screen? ☐ Yes ☒ No

m. Is the well head: ☐ in pumphouse ☒ in pit ☐ pitless adaptor ☐ in a building

☐ in a wooden enclosure other, describe _____

n. If the well head is located in a wooden enclosure,

i. Is the well head below grade? describe in detail ~0.45m below grade

ii. Are there signs of ponding on the enclosure(e.g. water stains, etc.)? ☐ Yes ☒ No

iii. Is the wellhead enclosed by fiberglass insulations? ☒ Yes ☐ No

iv. Any evidence of rodents? Specify No, but access possible

v. Does the well casing have a proper seal cap? ☒ Yes ☐ No

If no, describe condition Split gasket cap

3. Water Supplying This Well:

a. By definition is the water from a surface water source or under the direct influence of surface water?

☒ Yes ☐ No ☐ farther investigation required.

If yes is there treatment or disinfection ☐ Yes ☒ No

Explain (filtration, disinfection etc…)_____

---

4. Aquifer Supplying This Well:

a. The aquifer is: ☐ bedrock ☒ granular sediment ☐ unknown

b. Does water level and/or well capacity show seasonal fluctuation? ☐ Yes ☒ No

5. Pump Installation:

a. Is the well equipped with a pump? ☒ yes ☐ No

b. Type of pump: ☐ hand ☒ electric submersible ☐ jet

☐ shallow well centrifugal ☐ other, _____

c. Description: Manufacturer _____ Model _____

horsepower _____ capacity _____ voltage _____

d. Date installed: _____ By: _____

e. For submersible pump, depth of setting below surface _____

f. Drop pipe for submersible pump: ☐ steel ☒ plastic likely

g. Pump delivers water to: ☒ pressure tank ☐ elevated tank ☐ other

h. Are there automatic pump controls: ☒ Yes ☐ No

i. Is there provision for taking water samples before water reaches storage? ☐ Yes ☒ No

j. Is there a water meter on the system? ☐ Yes ☒ No

k. Is the pump and piping protected from freezing? ☒ Yes ☐ No

If yes, describe: Insulation + heat trace

l. Comments on pump installation: _____

_____

6. Conclusions

a. Comments on overall installation:

_____

_____

_____

_____

_____

_____

_____

b.Recommendations: _____

_____

_____

_____

_____

_____

_____

PART B: EBA Site Inspection

Inspector: BERT ALBASSER Date AUG 19/05

WELL ID #	Owner	Location Description
2544	YTG	DAWSON CITY AIRPORT

6. Water Treatment

a. Is well water treated? ☐ Yes ☑ No; Type of treatment:

☐ chlorination ☐ iron and or manganese removal ☐ other _____

b. Is water entering plumbing or piped distribution system treated with chlorine or another treatment that is as effective as chlorine used to achieve disinfection 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 residual concentration done at the tap (eg. Kitchen faucet) or from representative points in a piped distribution system, including a point from tap at the end line

☐ Yes ☑ No If yes how often? _____

e. If the drinking water is being transported by water delivery truck does it have a minimum chlorine free residual of 0.4 mg/L at the time of fill. ☐ Yes ☑ No

7. Water Quality (observations):

a. Does the water stain plumbing? ☑ yes ☐ No ☐ slight ☑ severe

Type of stain: ☐ brown ☑ red ☐ black

b. Does the water contain sediment? ☐ Yes ☑ No ☐ occasional ☐ constant

c. Is there an unpleasant odour? ☐ Yes ☑ No ☐ H_2S ☐ Other _____

d. Is there an unpleasant taste? ☐ Yes ☑ No ☐ brackish ☐ Other _____

e. Is there a history of bad bacterial analyses? ☐ Yes ☐ No

f. Is there a chemical analysis? ☑ Yes ☐ No ☐ adequate ☐ incomplete

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

h. 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

i. 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? ☐ Yes ☑ No

TANK AND PIPING DETAILS

Tank Room

Is there a water tank? Yes No Details: PRESSURE TANK

Where is it located?
Comments: CRAWL SPACE

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?

_____

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 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: _____

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? YES NO

8. Conclusions

a. Comments on overall installation:

THIS INSTALLATION IS OF GOOD QUALITY AND WORKMANSHIP

b. Recommendations:

INSTALL TREATMENT AS DICTATED BY WATER QUALITY ANALYSIS, SUITABLE FOR UV SYSTEM. INSTALL 10 GPM UV SYSTEM (NSF 55 CERTIFIED)

Field Report

MIDNIGHT SUN DRILLING CO. LTD. WHITEHORSE Y.T.

13 MacDONALD ROAD
WHITEHORSE, YUKON
Y1A 4L1

PHONE (403) 633-3070
TELEX 036-8496

Started Sept. 8 1988

Completed Sept. 9 1988

NAME AND ADDRESS OF CLIENT	DESCRIPTION OF WORK	LOCATION OF WORK
Government of Yukon	W/W	Dawson Airport
	88-1A-34	

FORMATION LOG FROM	TO	FORMATION	DESCRIPTION OF WORK	TIME DATE	FROM	TO	HOURS
			MOVE				
			Travel to Dempster Corner	Sept. 8	5:00	8:30	3.5
			Travel to Dir Port set up	Sept 9	8:00	9:00	1 ←
0	6	silt	Fine sand	"	9:00	1:00	4
6	40	sand	Gr. Blds. Cabs.				
			set screen Develop	"	1:00	4:00	3 ←
			move off to Corner	"	4:00	5:00	1 ←

Rd. of Casing & Pipe Size	Type	Size	Type
6			
Feet	Inch	Feet	Inch
37	6		

Remarks:

1 - shoe
1 - 6" Tricone
18 slot screen x
2' riser - Packer - 4 7/8" bit pin
20 GPM.

Static Level		Total Rig Time	hrs.
Ground Level	15' 6"	Total Standby	hrs.
Top Of Casing		Drilling Mud	sacks

SIGNATURES

MIDNIGHT SUN..... CLIENT.....

TITLE..... TITLE.....

(Please Print) Les Travis Larry

FORMATION LOG

rown Clay - br cl
lue Clay - bl cl
and - sd
andy Clay - sdy cl
oft Shale - s shl
ard Rock - hd rk
andstone - ss
ine Gravel - f gr
oulders - bdrs

nvoice No.....

FIELD REPORT

MIDNIGHT SUN

DRILLING CO. LTD.

P.O. Box 2106
Whitehorse, Yukon
Phone: 667-4795

Job (Month) (Day) (Year)

Started. July..4...19.73.

Completed. July.6...19.73.

NAME AND ADDRESS OF CLIENT	DESCRIPTION OF WORK	LOCATION OF WORK
Y.T.G.	WATER WELL	Sec. Twp. Rge. W. DAWSON CITY AIRPORT

FORMATION LOG

OM	TO	FORMATION
0	2'	SILTY SAND
2'	4'	SAND & GRAVEL
4'	12'	GRAVEL WITH THIN SAND LAYERS & COBBLES
12'	17'	SILTY SAND & GRAVEL
17'	30'	SAND WITH VERY HARD GRAVEL LAYERS

DESCRIPTION OF WORK	TIME Date	From	To	Hours
Move	7/4/73	13:30	20:00	6.5 HR.
	7/5/73	06:00	18:00	12 HRS
SAMPLE # 1 - 28'	7/6/73	06:00	09:00	3 HRS
SAND				

Rd. of Casing & Pipe Size	Type	Size	Type
eet	Inch	Feet	Inch

Remarks:

CASING PERFORATED 21'-28'

31' OF 5" CASING

BAILED AT 11 C.P.M.

[redacted]"

Well Cased: Casing to ft. and

Casing from ft. to ft.

STATIC 13 from ground level
LEVEL: 15 from top of casing

Total Big Time (above) 26 hrs.

Total Standby (above) hrs.

Drilling Mud Used (above) 4 sacks

SIGNATURES

For Midnight Sun.....

For Client.....

DRILLER GORDON TORGERSON

Environment Canada Environnement Canada

Enforcement and Emergencies Section
91782 Alaska Highway, Whitehorse, YT Y1A 5B7
PH: 867.667.3400 FAX: 867.667.7962

Spill Report Information

Spill #	8219
Jurisdiction	Yukon
Community	Dawson City
Address	
Highway	
Milepost	
Feature	Dawson City
Location and Cause	Airport - bulk tank overfill due to operator error
Latitude	64.045361
Longitude	-139.123528
Incident Date	8/10/1982 6:30:00 AM
Lead Agency	Environment Canada - Environmental Protection Service
Other Agency	
Company(s)	White Pass & Yukon Route
Amount	0.83
Units	Tonnes (Metric)
Quantity	Actual
Release Description	Spilled
Additional Quanitit	
Concentration	
Concentration Unit	
Phase	Liquid
Major Contaminant	Aviation Fuel (Jet A Or B)
2nd Contaminant	
3rd Contaminant	
4th Contaminant	
Outcome	not located near surface water - should be little damage except to vegetation in vicinity of tank - most fuel expected to evaporate within a few hours

Environment Canada Environnement Canada

Enforcement and Emergencies Section
91782 Alaska Highway, Whitehorse, YT Y1A 5B7
PH: 867.667.3400 FAX: 867.667.7962

Spill Report Information

Spill #	8221
Jurisdiction	Yukon
Community	Dawson City
Address	
Highway	
Milepost	
Feature	Dawson City
Location and Cause	Airport - overfill of fuel tank on aircraft
Latitude	64.045361
Longitude	-139.123528
Incident Date	8/17/1982 2:00:00 PM
Lead Agency	Environment Canada - Environmental Protection Service
Other Agency	
Company(s)	White Pass & Yukon Route
Amount	0.5
Units	Tonnes (Metric)
Quantity	Estimate
Release Description	Spilled
Additional Quanitit	
Concentration	
Concentration Unit	
Phase	Liquid
Major Contaminant	Aviation Fuel (Jet A Or B)
2nd Contaminant	
3rd Contaminant	
4th Contaminant	
Outcome	not located near surface water - little likelihood of damage due to volume and volatility - peat used to soad up small puddle on tarmac

Environment Canada Environnement Canada

Enforcement and Emergencies Section
91782 Alaska Highway, Whitehorse, YT Y1A 5B7
PH: 867.667.3400 FAX: 867.667.7962

Spill Report Information

Spill #	8807
Jurisdiction	Yukon
Community	Dawson City
Address	
Highway	
Milepost	
Feature	Dawson City
Location and Cause	Airport - fuel valve opened on unattended fuel truck - suspect it was intentional
Latitude	64.045361
Longitude	-139.123528
Incident Date	6/20/1988 9:00:00 AM
Lead Agency	Environment Canada - Environmental Protection Service
Other Agency	Yukon Government - Highways
Company(s)	McKenzie Petroleum
Amount	0.23
Units	Tonnes (Metric)
Quantity	Actual
Release Description	Spilled
Additional Quanitit	
Concentration	
Concentration Unit	
Phase	Liquid
Major Contaminant	Diesel
2nd Contaminant	
3rd Contaminant	
4th Contaminant	
Outcome	most absorbed into ground - drinking water well 45m away - groundwater table 4m below surface - sand applied to puddles and removed to landfill

Environment Canada | Environnement Canada

Enforcement and Emergencies Section
91782 Alaska Highway, Whitehorse, YT Y1A 5B7
PH: 867.667.3400 FAX: 867.667.7962

Spill Report Information

Spill #	8829
Jurisdiction	Yukon
Community	Dawson City
Address	
Highway	
Milepost	
Feature	Dawson City
Location and Cause	Airport - apparent spill of fuel on a gravel tarmac behind terminal - two areas appear to have fuel residue
Latitude	64.045361
Longitude	-139.123528
Incident Date	6/29/1988 9:10:00 AM
Lead Agency	Environment Canada - Environmental Protection Service
Other Agency	Yukon Government - other
Company(s)	
Amount	
Units	
Quantity	Unknown
Release Description	Spilled
Additional Quanitit	
Concentration	
Concentration Unit	
Phase	Liquid
Major Contaminant	Hydrocarbons
2nd Contaminant	
3rd Contaminant	
4th Contaminant	
Outcome	source of spill unknown - suspect from oil spill previous week - oil reappearing - advised to clean-up using sorbent cloth

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Spill Report Information

Spill #	9204
Jurisdiction	Yukon
Community	Dawson City
Address	
Highway	
Milepost	
Feature	Dawson City
Location and Cause	Airport - 200 m NE of airport terminal building - overfill of underground storage tank - human error
Latitude	64.045361
Longitude	-139.123528
Incident Date	3/13/1992 8:00:00 PM
Lead Agency	Environment Canada - Environmental Protection Service
Other Agency	
Company(s)	White Pass Transportation Ltd
Amount	3500
Units	Litres
Quantity	Actual
Release Description	Spilled
Additional Quanitit	
Concentration	
Concentration Unit	
Phase	Liquid
Major Contaminant	Aviation Fuel (Jet A Or B)
2nd Contaminant	
3rd Contaminant	
4th Contaminant	
Outcome	fuel overflowed onto snow packed ground - contaminated snow removed to Quigley dump - clean-up inspected by YTG Fire Marshall

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Spill Report Information

Spill #	9447
Jurisdiction	Yukon
Community	Dawson City
Address	
Highway	
Milepost	
Feature	Dawson City
Location and Cause	Airport - contamination of soil around UST's - unknown if tanks leaking or due to refueling practices
Latitude	64.045361
Longitude	-139.123528
Incident Date	9/21/1994
Lead Agency	Environment Canada - Environmental Protection Service
Other Agency	
Company(s)	YTG Aviation & Marine Branch
Amount	
Units	
Quantity	Unknown
Release Description	Chronic Discharge
Additional Quanitit	
Concentration	
Concentration Unit	
Phase	Liquid
Major Contaminant	Aviation Fuel (Jet A Or B)
2nd Contaminant	
3rd Contaminant	
4th Contaminant	
Outcome	contaminated soil excavated and landfarmed

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Spill Report Information

Spill #	9455
Jurisdiction	Yukon
Community	Dawson City
Address	
Highway	
Milepost	
Feature	Dawson City
Location and Cause	Airport - domestic fuel storage tank at Transport Canada residence - fuel line failed
Latitude	64.045361
Longitude	-139.123528
Incident Date	7/12/1994 4:04:00 PM
Lead Agency	Municipality - identified in Community
Other Agency	
Company(s)	Transport Canada
Amount	1000
Units	Litres
Quantity	Actual
Release Description	Spilled
Additional Quanitit	
Concentration	
Concentration Unit	
Phase	Liquid
Major Contaminant	Furnace Oil
2nd Contaminant	
3rd Contaminant	
4th Contaminant	
Outcome	contractor Klondike Mechanical doing clean-up - Transport Canada will contact City of Dawson to ensure clean-up to standard

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Spill Report Information

Spill #	9914
Jurisdiction	Yukon
Community	Dawson City
Address	
Highway	
Milepost	
Feature	Dawson City
Location and Cause	Airport - on apron at North 60 Petro trailer - valve on trailer not closed properly
Latitude	64.045361
Longitude	-139.123528
Incident Date	5/19/1999 5:00:00 AM
Lead Agency	Yukon Government - Environmental Programs
Other Agency	
Company(s)	Sumit Air
Amount	
Units	
Quantity	Unknown
Release Description	Spilled
Additional Quanitit	
Concentration	
Concentration Unit	
Phase	Liquid
Major Contaminant	Diesel
2nd Contaminant	
3rd Contaminant	
4th Contaminant	
Outcome	volume spilled not noted in file - flying fuel into camps - valve not closed properly after loading - loader and dump truck ready for clean-up - no further information on file

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Spill Report Information

Spill #	0203
Jurisdiction	Yukon
Community	Dawson City
Address	
Highway	
Milepost	
Feature	Dawson City
Location and Cause	Airport - truck roll over - think it was a B-train
Latitude	64.045361
Longitude	-139.123528
Incident Date	1/19/2002 11:30:00 AM
Lead Agency	Yukon Government - Highways
Other Agency	
Company(s)	
Amount	
Units	
Quantity	Unknown
Release Description	
Additional Quanitit	
Concentration	
Concentration Unit	
Phase	Liquid
Major Contaminant	Hydrocarbons
2nd Contaminant	
3rd Contaminant	
4th Contaminant	
Outcome	limited info on initial report to spill line due to poor phone connection - person reporting taking pictures - YG-EMO coordinating response - no other info on file

Photo 088: 2544 Dawson City Air Terminal Building.

Photo 089: 2544 Enviro ASTs for bulk fuel storage.

Photo 090: 2544 Wellhead.

Photo 234: 2544 Abandoned well (bottom) pressure tank & pump controls (top).