



Permit No: 81-001

COMMERCIAL DUMP PERMIT

Issued Pursuant to
the Environment Act, the Solid Waste Regulations, the
Air Emissions Regulations, and the Special Waste Regulations

Permittee: Parsons Incorporated
Mailing Address: P.O. Box 850, Faro, YT Y0B 1K0

Site Location: Faro Mine Complex, Faro, YT
Former surface lease, Disposition No. 105K06-001

Site Location Coordinates: 62.3544°N, 133.4062°W

Authorized Representative: Samantha Kenway (Manager – Faro Mine Complex
Operations & Construction)
Phone/Fax: 403-294-4265, (cell) 403-968-8772 / 403-294-4240
Email: samantha.kenway@parsons.com

Effective Date: January 1, 2021
Expiry Date: December 31, 2025

This permit replaces permit #80-001 issued on March 29, 2016.

Scope of Authorization: In accordance with your application, Parsons Incorporated, represented by yourself, is authorized to:

- a. operate a dump for the disposal of solid waste generated by the commercial activities of the permittee;
- b. generate or store: **waste oil, waste batteries, waste antifreeze, and waste solvents;** and
- c. operate equipment for the incineration of: **waste oil,**
at the above site location ("the site"), as set out in the terms and conditions of this permit.

Dated this 18th day of December, 2020

Director, Environmental Protection and Assessment Branch
Environment Yukon

1. DEFINITIONS

1. In this permit,

“Act” means the *Environment Act*, R.S.Y. 2002, c. 76;

“approved plan” means a plan that is submitted by the permittee and approved by an environmental protection analyst under this permit and includes any terms and conditions specified by the environmental protection analyst in the approval;

“associated personnel” means all employees, contractors and volunteers involved in the permitted activities;

“Branch” means the Environmental Protection and Assessment Branch, Environment Yukon;

“cell” means a discrete area of the site into or onto which solid waste is deposited for permanent disposal and includes such areas that are no longer used for that purpose;

“contaminated material” means any soil, snow, sediment, or water that has one or more parameters in excess of applicable standards in the *Contaminated Sites Regulation*, O.I.C. 2002/171;

“dangerous wildlife” means wildlife so defined in the *Wildlife Act*, R.S.Y. 2002, c. 229;

“disposal areas” means the locations of the cell(s);

“dump” means the portion of the site used for the handling or disposal of solid waste, including the location(s) of any machinery, equipment, devices, tanks, buildings or other works used;

“putrescible waste” means food or plant-based waste which can decompose or rot;

“Regulations” means any or all of the *Air Emissions Regulations*, O.I.C. 1998/207, the *Solid Waste Regulations*, O.I.C. 2000/11, the *Contaminated Sites Regulation*, O.I.C. 2002/171, the *Designated Materials Regulation*, O.I.C. 2003/184, the *Storage Tank Regulations*, O.I.C. 1996/194, the *Spills Regulations*, O.I.C. 1996/193, and the *Special Waste Regulations*, O.I.C. 1995/047, as amended from time to time and as applicable;

“solid waste” includes waste which originates from residential, commercial, industrial or institutional sources, or from the demolition or construction of buildings or other structures to be solid waste and for greater certainty includes litter, as defined in the Act, but does not include untreated brush or untreated wood products that are not mixed with other materials;

“special waste management facility” means an operation which handles or disposes special wastes generated by other persons or operations, and includes without limitation a community collection system which is intended to collect or transport special waste to a special waste management facility in the Yukon;

“spill” means a release of a substance in excess of the amounts specified in Schedule A of the *Spills Regulations*, O.I.C. 1996/193 as amended from time to time;

“storage tank” means a closed container with a capacity of more than 230 litres that is designed to be installed in a fixed location, and includes either an aboveground storage tank or an underground storage tank;

“substance” means a hazardous substance, pesticide, contaminant, or special waste.

“vehicle” has the same meaning as in the Motor Vehicles Act, R.S.Y. 2002, c. 153; and

“waste manifest” means the shipping document required to be completed by the permittee as set out in this permit in the form approved by an environmental protection officer.

2. Any term not defined in this permit that is defined in the Act or the Regulations has the same meaning as in the Act or the Regulations.

2. GENERAL

1. The permittee is authorized to:
 - a) operate a dump for the disposal of solid waste generated by the commercial activities of the permittee;
 - b) generate or store: waste oil, waste batteries, waste antifreeze, and waste solvents; and
 - c) operate equipment for the incineration of: waste oil,
 - d) at the above site location (“the site”), as set out in the terms and conditions of this permit.
2. No condition of this permit limits the applicability of any other law or bylaw.
3. The permittee shall ensure that all activities authorized by this permit occur on property that the permittee has the right to enter upon and use for that purpose.
4. The permittee shall ensure that all associated personnel:
 - a) have access to a copy of this permit;
 - b) are knowledgeable of the terms and conditions of this permit; and
 - c) receive the appropriate training for the purposes of carrying out the requirements of this permit.
5. The permittee shall provide notice in writing to an environmental protection analyst prior to any significant change of circumstances at the site, including without limitation:
 - a) closure of the operation or site;
 - b) change of ownership of the site;
 - c) discontinuation of any regulated activity at the site;
 - d) generating, storing or transporting special wastes other than those authorized by this permit; or
 - e) change to the mailing address, e-mail, or phone number of the permittee.
6. Where conflicts exist between this permit, the permit application or elements of any plan pertaining to any activity regulated under the Act, this permit shall prevail.

7. If an inspection reveals that the site or equipment is in any way not in compliance with this permit or approved plans developed in accordance with this permit, the permittee shall repair the damage or take other actions as required to bring the site or equipment into compliance.
8. For clarity, all obligations of the permittee under this permit survive the expiry date.

3. PLANS AND REPORTS

1. The permittee shall develop and maintain the following plans:
 - a) A spill response plan for the site; and
 - b) A current site plan showing the location of the active and closed cells and special waste storage areas (as applicable)and shall produce these plans upon request for inspection by an environmental protection officer.
2. The permittee shall ensure that all associated personnel are familiar with the plans listed in paragraph 3.1.
3. When the permittee is required to submit a plan under this permit, the permittee shall:
 - a) ensure the plan meets the requirements for that type of plan as established by the Branch in writing, where applicable;
 - b) submit the plan in writing to an environmental protection analyst; and
 - c) implement the plan as of the date it is submitted, unless otherwise provided for in this permit.
4. If the permittee wants to amend a submitted plan, the permittee shall submit the proposed amendment to an environmental protection analyst as if the amendment were a plan under part 3.1 of this permit.
5. If an environmental protection analyst directs in writing that a submitted plan be amended, the permittee must prepare the required amendment by the date specified and submit it as if it were a plan referred to in part 3.1 of this permit.

4. FENCING AND SECURITY

1. The permittee shall install and maintain, in accordance with written guidance from the Department of Environment, an electric exclusion fence(s) and gate(s) that encompass all putrescible waste storage and disposal areas at the dump and any other areas of the site location that become or may become an attractant to animals. The fence(s) and gate(s) shall be adequate to prevent dangerous wildlife from entering the encompassed areas of the site. The fence(s) and gate(s) must be electrified to a minimum of 7,000 volts.

2. The fences and gates referenced in part 4.1 above must be:
 - a) activated continuously from April 1 to November 30 of each year;
 - b) activated between December 1 and March 31 of each year if there are tracks or other signs of dangerous wildlife attempting to access the fenced area; and
 - c) activated upon the written request of an environmental protection officer.
3. If the permittee wishes to deactivate the electric fence for any length of time during the period of operation referenced in part 4.2 (other than for regular maintenance of the fence), the permittee shall obtain prior approval from an environmental protection officer.
4. The permittee shall conduct weekly inspections of all electric fences and shall maintain them as necessary during periods of activation as specified in part 4.2 to ensure that:
 - a) the fence is sufficiently charged to deter wildlife; and
 - b) there is no vegetation or windblown litter or other items along the perimeter of the fence, or contacting the fence, that may act as a ground.
5. The permittee shall ensure that all gates are closed and secured every time personnel leave the area bounded by the electric fence.
6. The permittee shall install and maintain fencing or other comparable measures to prevent the release of windblown solid waste from the dump.

5. STORAGE AND OFF-SITE TRANSFER OF SOLID WASTE

1. The permittee shall ensure that putrescible waste is stored in bear-proof containers and that it is not stored for a period of greater than seven days prior to being transferred offsite or disposed in accordance with this permit.
2. The permittee shall ensure that all materials listed in the schedules of the *Designated Materials Regulation*, are not buried, burned, or incinerated and that they are taken periodically to a depot for those materials.
3. The permittee shall ensure that they receive written authorization from the operator of any municipal or Yukon government solid waste disposal facility prior to transferring any waste to that facility.
4. The permittee shall report any incidents involving dangerous wildlife to the Government of Yukon, Conservation Officer Services Branch (867-390-2685) or the TIPP line (1-800-661-0525).

6. BURIAL OF SOLID WASTE

1. The permittee shall ensure that the location and construction of any new cell complies with the siting and construction requirements outlined in the "Requirements for Commercial Dumps" guidelines developed by the Branch, as updated from time to time.
2. The permittee shall submit a letter of notification to an environmental protection analyst when:
 - a) a new cell is developed; or
 - b) a cell is closed,providing details of the cell construction or closure, a site plan showing location of the cell, and written confirmation that the cell was properly constructed or closed in accordance with the "Requirements for Commercial Dumps" guidelines developed by the Branch, as updated from time to time.
3. The permittee shall ensure that all cells no longer used for the disposal of solid waste are closed (capped and contoured) in accordance with the "Requirements for Commercial Dumps" guidelines established by the Branch in writing, as updated from time to time.
4. The permittee shall cover any exposed solid waste in a cell with soil or other comparable material to a depth of 0.1 metres or any other depth that an environmental protection officer considers necessary to prevent windblown solid waste and attraction of birds after every 0.5 metres of solid waste is deposited.
5. Parts 6.4 and 6.5(a) do not apply between November 15 and April 15 of each year if soil or other comparable cover material cannot be obtained at the site.
6. The permittee shall not allow special wastes or materials containing contaminants in excess of the industrial land use standards in the *Contaminated Sites Regulation*, O.I.C. 2002/171, to be deposited into a cell.

7. STORAGE AND HANDLING OF SPECIAL WASTE

1. The permittee shall not generate, store, or transport special wastes other than those authorized by this permit.
2. The permittee shall not discard, destroy, treat, process, incinerate, or recycle special wastes unless specifically authorized by this permit, except for mixing or dilution authorized by an environmental protection officer or environmental protection analyst as an acceptable treatment or disposal option for the special waste.
3. The permittee shall ensure that each container containing special waste is clearly labelled to indicate the type of special waste stored. The permittee shall not mix different types of special waste.

4. The permittee shall ensure that special wastes are stored and handled in such a manner as to prevent their release into the environment.
5. The permittee shall ensure that:
 - a. all drums and other portable containers containing special wastes are covered or stored out of inclement weather;
 - b. all drums and other portable containers containing special wastes are stored off the ground;
 - c. all containers used to store special waste are closed at all times during storage;
 - d. special wastes are stored in a manner that will prevent incompatible substances from reacting adversely with each other;
 - e. containers used for the storage of special waste are made of materials that will not adversely react with the special waste;
 - f. special wastes stored in leaking containers are immediately transferred to intact containers; and
 - g. all containers used for the storage of special waste are clearly marked to identify what special waste is stored in the container.
6. The permittee shall inspect special waste storage containers, at minimum:
 - a) weekly in terms of visual inspections for leaks;
 - b) monthly in terms of the volume of special wastes stored on site;
 - c) annually in terms of tank/container quality, piping, and auxiliary equipment; and
 - d) upon request from an environmental protection officer.
7. The permittee shall not allow any residue at the bottom of a container used for the storage of special waste to be released to the environment. Such residue shall be collected by the permittee and considered to be special waste until proven by testing to not be special waste.
8. The permittee shall not store special wastes that are petroleum products in a storage tank with a capacity greater than 4000 L unless specifically authorized by a permit issued pursuant to the *Storage Tank Regulations*, O.I.C. 1996/194.
9. The permittee shall not store special wastes that are not petroleum products in a storage tank with a capacity of 2000 L or greater unless specifically authorized by a permit issued pursuant to the *Storage Tank Regulations*, O.I.C. 1996/194.
10. If an inspection reveals that the amount of special waste stored at the site may pose a risk to human health or the environment, the permittee shall develop and implement a final disposal plan for the special waste, as directed in writing by an environmental protection officer.

10. WASTE OIL

1. Prior to blending contaminated waste oil with uncontaminated waste oil, the permittee shall obtain analytical results for both the contaminated and uncontaminated oil and blend the oil in accordance with the "General Information on Waste Oil" guidelines established by the Branch, as amended from time to time.
2. Determination as to whether waste oil is contaminated shall be made in accordance with the "General Information on Waste Oil" guidelines established by the Branch, as amended from time to time.
3. Waste oil in which one or more contaminants exceeds the standards specified in Table 1 below shall be considered contaminated waste oil.

TABLE 1: ACCEPTABLE ANALYSIS METHODS AND CONTAMINANT LEVELS IN WASTE OIL

Contaminant	Maximum Concentration (mg/kg)	Test Method
Arsenic	5.0	EPA 3050B/3051 & 7060
Cadmium	2.0	EPA 3050B/3052 & 7000/7131
Chromium	10	EPA 3050B/3051 & 7000/7191
Lead	50	EPA 3050B/3051 & 7000/7421
Total organic halogens	1000	EPA 9020B or EPA 9022
PCBs	2.0	EPA 3540C/3541 & 8082

4. When submitting a sample of waste oil feedstock for laboratory analysis the permittee shall ensure that the laboratory uses the methods specified in Table 1, or equivalent, as amended from time to time, for each listed substance. The permittee shall ensure that the detection limit of the method used is lower than the standards set forth in Table 1.
5. The permittee shall not incinerate contaminated waste oil.
6. Waste oil shall only be incinerated in an appliance which is approved or certified to burn waste oil by the Canadian Standards Association (CSA), the Underwriters' Laboratories (UL), or the Underwriters' Laboratories of Canada (ULC).
7. The waste oil incinerator must be installed, operated and maintained in accordance with the manufacturer's written instructions and specifications.
8. The permittee shall have a sample of their waste oil feedstock analyzed as directed by an environmental protection officer, and shall allow an environmental protection officer to obtain samples of their waste oil feedstock for the purpose of submitting them for analysis.

9. No special wastes other than waste oil may be incinerated under this permit without undertaking an environmental assessment pursuant to the *Yukon Environmental and Socio-economic Assessment Act*.

11. TRANSPORT AND TRANSFER OF SPECIAL WASTE

1. The permittee shall not transport or transfer special wastes other than within the site.
2. The permittee shall ensure that all special wastes are transported and transferred in such a manner as to prevent their release into the environment and to prevent incompatible substances from reacting adversely with each other.
3. The permittee shall complete a waste manifest documenting each shipment of special wastes from the site. The permittee shall distribute copies of the waste manifest in the manner described thereon.
4. The permit number **YG81-001** shall be used as the Provincial Identification Number on waste manifests used for the transport of the listed special wastes.
5. The permittee shall ensure that all vehicles operated by the permittee and carrying any special wastes are secured to prevent access by unauthorized persons.
6. The permittee shall ensure that special wastes are transported to a special waste management facility in the Yukon or another jurisdiction that is permitted to receive those listed special wastes.
7. The permittee shall ensure that special wastes are transported by a carrier permitted in Yukon to transport the listed special wastes.

12. SPILLS

1. The permittee shall contact either an environmental protection officer, or the 24-hour Yukon Spill Report Centre (**867-667-7244**) as soon as possible under the circumstances in the event of a release, spill, unauthorized emission, discharge, or escape of any substance listed in the *Spills Regulations*, O.I.C. 1996/193, or any special wastes.
2. The permittee shall ensure that clean-up equipment appropriate for the amount and type of special waste generated or stored on site (such as sorbent, shovel, broom, bucket, gloves, boots, etc.) is readily accessible at all locations where the special wastes are handled or stored.
3. The permittee shall ensure that spill procedures are developed, maintained, posted, and followed at all locations where special wastes are handled or stored, and that all personnel (employees,

contractors or volunteers) are familiar with those procedures. The spill procedures must meet the requirements for that type of plan as established by the Branch in writing.

4. The permittee shall ensure that contaminated material resulting from a release, spill, unauthorized emission, discharge, or escape or any special wastes is properly handled in accordance with the Contaminated Sites Regulation, O.I.C. 2002/171.

13. INSPECTIONS AND RECORD KEEPING

1. The permittee shall keep the following general records at the site:
 - a) a current site plan showing the location of the solid and special waste storage and handling locations, and active and closed cells;
 - b) a copy of each plan developed under this permit, and any amendments to and approvals of each plan;
 - c) inspections conducted by the permittee in accordance with this permit (including the name of the person conducting the inspection, the date of each inspection, any observations recorded during the inspection, actions taken as a result of those observations, and the date each action was taken); and
 - d) any and all deficiencies remedied in accordance with part 2.8, and how and when they were remedied.
2. The permittee shall keep the following records at the site related to the disposal of solid waste:
 - a) an estimate, in kilograms or tonnes, of the amount of solid waste disposed of each month the site is in operation and on an annual basis;
 - b) size and locations of all cells;
 - c) before and after photographs and a detailed description of any activities undertaken to construct or close any cell;
 - d) written authorization from the operator of any municipal or Yukon government solid waste disposal facility authorizing the transfer of waste to that facility, if any waste is to be transferred off-site; and
 - e) a log of offsite transfers and disposals of solid waste.
3. The permittee shall keep the following records at the site related to the storage and handling of special waste:
 - a) the types of special wastes generated or stored at the site, their estimated volumes, and their storage location(s);
 - b) a copy of any waste manifests used to transport special wastes to or from the site; and
 - c) notes concerning any release, spill, unauthorized emission, discharge, or escape that occurred at the site, including the substance involved and estimated quantity, the date of observation, any spill reports made, and clean-up procedures implemented.

4. The permittee shall keep all records required under this permit in a format acceptable to an environmental protection officer for a minimum of three years and make them available for inspection by an environmental protection officer upon request.

Yukon

Health and Social Services

Box 2703, Whitehorse, Yukon Y1A 2C6

Environmental Health Services

#2 Hospital Road

Whitehorse, Yukon Y1A 3H8

Phone : (867) 667-8337 or toll free at 1-800-661-0408 ext. 8391

June 22, 2005

Anvil Range Mining Corporation (in Interim Receivership)

P.O. Bag 1000

Faro, Yukon

Y0B 1K0

Re: APPROVAL TO USE A SEWAGE DISPOSAL SYSTEM - PERMIT #2763
Lease Number 105K06-0000-00001, Security Building at Faro Mine,
North 62° 21.167, West 133° 24.312

SEPTIC TANK, SIPHON, ABSORPTION BED for a Staff Wash and Laundry Facility

Your notification of installation form and photographs for the sewage disposal system located on the above-noted site, have been received by our office.

Your system appears to have been installed according to your application and permit (this observation is not a warranty as to performance). It does appear, however, that the drainrock contains more than 3% fines residual and rocks that are larger than the specified $\frac{3}{4}$ to 2 $\frac{1}{2}$ -inch size. Please be advised that this may affect the life of your system.

The requirements of the *Sewage Disposal Systems Regulation* pursuant to the *Public Health and Safety Act* have been satisfied. Responsibility for maintenance, improvement, and replacement of this system over its lifetime rests with the owner.

Please contact me if you have any questions or comments.

Yours truly,



Tracey Hewitt, B.Sc., B.EH(AD), C.P.H.I.(C)
Environmental Health Officer

cc: Building Inspections, Yukon Government

encl: *Operation and Maintenance of a Septic System*



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Report

Tank System Information

Tank System Description

EC #:

00047845

Internal Number

Description:

Faro Mine - Diesel system

Contact Information

Owner

Aboriginal Affairs and Northern Development Canada

Nunavut

Tank Operator

Aboriginal Affairs and Northern Development Canada

Nunavut

Contact

Cam Malloch

400 - 300 Main Street

Whitehorse

Yukon

Tel: (867) 667-3830

Contact

Cam Malloch

400 - 300 Main Street

Whitehorse

Yukon

Tel: (867) 667-3830

Land Owner

Federal entity under Financial Administration Act

Months of service

January

February

March

April
May
June
July
August
September
October
November
December

System Location

Tank System Location

Latitude: 62°21.11'N
Longitude: -133°24.29'W

System Record Location

Latitude: 62°21.11'N
Longitude: -133°24.29'W

Emergency Plan Location

Latitude 62°21.11'N
Longitude -133°24.29'W
Details:

Miscellaneous Information

Tank Use:

Name of Tank Manufacturer:

Year of Manufacture:

Certification # of System Installer:

Certification # of System Remover:

Tank 1 of 2

Tank Information

Tank Description:

Tank Internal Number:

Tank B

Type of Tank:

Aboveground

ULC or API Standard Number:

ULC-S601

Year of installation:

2018

Material of construction:

Steel

Overfill Protection:

- Overfill Alarm
- Other (specify), s661 device

Type of pump:

No oil-water separator

Spill Containment:

Aboveground tank ULC-S663 (supersedes ORD-C142.19)

Product Stored:

Diesel

Tank Capacity:

50000 L

Transfer area:

Concrete apron sloped to catch basin at the center of the apron

Tank Leak Detection:

- Automatic tank gauging
- Continuous leak detection
- Visual inspection
- Inventory reconciliation
- Interstitial monitoring – double walled tank

Corrosion Protection:

- Painted

Secondary Containment:

- Double Walled

Piping for tank 1

Type of Piping:

Aboveground

Piping diameter:

1.5; 2; 3 inch

Piping Leak Detection:

- Visual inspection

Leak detection for sumps:

- Visual inspection
- Continuous sump leak monitoring (petroleum product probe)

Material of construction:

- Steel

Corrosion Protection:

- Painted

Secondary Containment:

- None

Tank 2 of 2

Tank Information

Tank Description:

Tank Internal Number:

Tank C

Type of Tank:

Aboveground

ULC or API Standard Number:

ULC-S601 and ULC-S653

Year of installation:

2018

Material of construction:

Steel

Overfill Protection:

- Overfill Alarm
- Other (specify), s661 device

Type of pump:

No oil-water separator

Spill Containment:

Aboveground tank ULC-S663 (supersedes ORD-C142.19)

Product Stored:

Diesel

Tank Capacity:

50000 L

Transfer area:

Concrete apron sloped to catch basin at the center of the apron

Tank Leak Detection:

- Automatic tank gauging
- Continuous leak detection
- Visual inspection
- Inventory reconciliation
- Interstitial monitoring – double walled tank

Corrosion Protection:

- Painted

Secondary Containment:

- Double Walled

Piping for tank 2

Type of Piping:

Aboveground

Piping diameter:

1.5; 2; 3

Piping Leak Detection:

- Visual inspection

Leak detection for sumps:

- Visual inspection
- Continuous sump leak monitoring (petroleum product probe)

Material of construction:

- Steel

Corrosion Protection:

- Painted

Secondary Containment:

- None

INTERNAL YUKON GOVERNMENT – AMENDED RESERVE OF LAND
For use by only Yukon Government Departments

1. The original reserve established on October 06, 2009 prevails as the effective date.
2. The purpose of this amendment is to change the description of land and remove disposition #2014-0780 from the reserve area.
3. The following land is hereby held as an "Administrative Reserve" for the Department of Energy, Mines & Resources **NOTE:** An Administrative Reserve provides Yukon government the ability to identify, use and notate an interest in Yukon lands. A reserve tracks the purpose and provides for the allocation and protection of lands from disposition to a 3rd party or 3rd parties. Administrative Reserves are not considered a disposal of land of the Yukon *Lands Act* or the *Territorial Lands (Yukon) Act*. The ability to reserve lands flows from s. 45(1) of the *Yukon Act S.C., 2002, c.7*.

This Administrative reserve is for a total of 21648.76 hectares, at the Faro Mine site, in Quad 105K/06, Yukon Territory, as shown on the attached sketch dated May 20, 2015

4. The lands are unsurveyed as indicated above and as shown on the attached sketch.
NOTE: The sketch illustrates an approximate representation of the administrative reserve area.
5. The reserved land will be managed by Energy Mines and Resource's Land Management Branch, Land Client Services pursuant to the *Administrative Reserves and Notations Application Policy*, until such time as Department of Energy, Mines & Resources take possession as stated in clause 1 as the originally signed effective date. Upon taking possession Department of Energy, Mines & Resources who is responsible for managing this reserve and shall be the party to provide instruction to Legal Service Branch Counsel in the event the Yukon government is sued for injury or death occurring on the Administrative Reserve lands. In addition, the Department of Energy, Mines & Resources shall be solely responsible to ensure the land is only used for the purpose as described in clause 6.
6. The Department of Energy, Mines & Resources require the Reserve land for the purpose(s) of:

Abandoned Mine Site (Faro Mine)

7. The term of this Administrative Reserve is for 99 years. Land Management Branch will conduct a review of the term and purpose of this Administrative Reserve every 10 years (minimum) or prior to the end of the Administrative Reserve term if the term is shorten then 10 years.
8. If the Department holding the reserve requires the land to be surveyed, the permission to survey is required by written authorization from the Manager of Lands Client Services. The Department holding the reserve agrees to assume the land survey, and all servicing costs.
9. The Department of Energy, Mines & Resources consents to this amended reserve and their consent was received and approved by Land Client Services. The reserve is established on the firm belief that the land involved is not occupied by any individual, corporation or Government Department. The reserve and the amendment does not authorize development of the land whatsoever other than described in clause 6. Further amendments or renewals require written permission from the Manger of Lands Client Services.

Signed by the Department of Energy, Mines & Resources this _____ day of _____, 2015

Stephen Mead for the Department of
Energy, Mines & Resources on behalf of
Oil, Gas and Mineral Resources Division,
Assessment and Abandoned Mines Branch

ORIGINAL RESERVE)
EFFECTIVE DATE October 06, 2009)
Amendment Signed)
this _____ day of _____)
A. D., 2015.)

Johanna Smith, Manager
Land Client Services
Land Management Branch
Energy Mines and Resources

Enclosures: Map, cover letter and Administrative Reserves and Notations Application Policy

c: Community Services, Property Assessments, C-9

SECTION FOR LAND CLIENT SERVICES PURPOSES ONLY:

- Next scheduled review of purpose and term by requesting formal written confirmation from the reserve holder.
- Inspection due by 2025

PLACER MINING ACT
AND
QUARTZ MINING ACT

LOI SUR L'EXTRACTION DE L'OR
ET
LOI SUR L'EXTRACTION DU
QUARTZ

Pursuant to section 98 of the *Placer Mining Act* and section 15 of the *Quartz Mining Act*, the Commissioner in Executive Council orders as follows

1. The annexed *Prohibition of Entry on Certain Lands at Faro Mine Complex Order* is hereby made.

Dated at Whitehorse, Yukon, this 21 November 2008.

Le commissaire en conseil exécutif, conformément à l'article 98 de la *Loi sur l'extraction de l'or* et à l'article 15 de la *Loi sur l'extraction du quartz*, décrète :

1. Est établi le *Décret interdisant l'accès à certaines terres du complexe minier de Faro* paraissant en annexe.

Fait à Whitehorse, au Yukon, le 21 novembre 2008.

Commissioner of Yukon

Commissaire du Yukon

PROHIBITION OF ENTRY ON CERTAIN LANDS AT FARO MINE COMPLEX

Purpose

1. The purpose of this Order is to prohibit entry to the lands described in the Schedule to facilitate reclamation of the lands as a result of past mining activity.

Interpretation

2. In this Order, "recorded claim" means

(a) a recorded placer claim, acquired under the *Yukon Placer Mining Act* (Canada) or the *Placer Mining Act* and continued under the *Placer Mining Act* that is in good standing; or

(b) a recorded mining claim, acquired under the *Yukon Quartz Mining Act* (Canada) or the *Quartz Mining Act* and continued under the *Quartz Mining Act* that is in good standing.

Prohibition

3. No person shall enter on the lands set out in the Schedule for the purpose of

(a) locating a claim, or prospecting for gold or other precious minerals or stones, under the *Placer Mining Act*; or

(b) locating a claim, or prospecting or mining for minerals, under the *Quartz Mining Act*.

Existing Rights and Interests

4. Section 3 does not apply to entry on a recorded claim by the owner or holder of the recorded claim.

DÉCRET INTERDISANT L'ACCÈS À CERTAINES TERRES DU COMPLEXE MINIER DE FARO

Objet

1. Le présent décret vise à interdire l'accès aux terres décrites à l'annexe afin de faciliter leur remise en état suite aux activités minières antérieures.

Définition

2. Aux fins du présent règlement, « claim inscrit » s'entend :

a) soit d'un claim d'exploitation de placer inscrit et en règle, acquis sous le régime de la *Loi sur l'extraction de l'or dans le Yukon* (Canada) ou de la *Loi sur l'extraction de l'or*, et prorogé sous le régime de la *Loi sur l'extraction de l'or*;

b) soit d'un claim minier inscrit et en règle, acquis sous le régime de la *Loi sur l'extraction du quartz dans le Yukon* (Canada) ou de la *Loi sur l'extraction du quartz*, et prorogé sous le régime de la *Loi sur l'extraction du quartz*.

Interdiction

3. Il est interdit de pénétrer sur les terrains visés à l'annexe aux fins :

a) d'y localiser un claim ou d'y prospecter pour découvrir de l'or ou d'autres minéraux précieux ou des pierres précieuses sous le régime de la *Loi sur l'extraction de l'or*;

b) d'y localiser un claim, d'y prospecter ou d'y creuser pour extraire des minéraux sous le régime de la *Loi sur l'extraction du quartz*.

Droits et titres existants

4. L'article 3 n'a pas pour effet d'interdire au propriétaire ou au détenteur d'un claim inscrit l'accès sur son claim inscrit

SCHEDULE

ANNEXE

In Yukon, the parcel of land outlined in red shown as a portion of territorial resource base maps 105K/03, 105K/05 and 105K/06, which are on file with the Mining Recorder, Department of Energy, Mines and Resources, at Whitehorse, Yukon.

Au Yukon : la parcelle de terrains qui apparaît en rouge comme portion des cartes de base des ressources territoriales no 105K/03, 105K/05 et 105K/06, dans les dossiers du bureau du registre minier de Whitehorse, ministère de l'Énergie, des Mines et des Ressources, à Whitehorse, Yukon.

CERTIFIED TRUE COPY



Permit No.: 2016-09

STORAGE TANK SYSTEM PERMIT

Issued for the installation, change and/or operation of storage tank systems

Pursuant to Parts 6 & 10 of the *Environment Act* and the *Storage Tank Regulations*

Permittee: Parsons Inc.
Mailing Address: Box 850, Faro, Yukon, Y0B 1K0
Site Location: Faro Mine Complex
Legal Site Description: 62 degrees 21.167'N; 133 degrees 24.312'W
Phone: (867) 994-2600 **Fax:** (867) 994-2378

In accordance with your application, **Parsons Inc.**, represented by yourself, is hereby permitted to:

Install, Enlarge, reduce or upgrade, Change the configuration of the piping, tanks or dyking, and / or

Operate a new, or altered

aboveground storage tank or tank system or underground storage tank or tank system,

at the above site location, subject to the following conditions:

PART 1 GENERAL CONDITIONS

1. The permittee shall comply with any applicable requirements in all federal, territorial, and municipal legislation, including the *Environment Act*, the *Storage Tank Regulations*, the *Special Waste Regulations*, the *Yukon Environmental and Socio-Economic Assessment Act* and the National Fire Code 2010 (*NFC 2010*), as amended from time to time.
2. The permittee shall ensure that all associated personnel (employees, contractors or volunteers) are aware of the conditions and requirements specified in this permit, and shall make a copy of this permit available to all personnel at the site location.
3. The permittee shall allow an environmental protection officer, at any reasonable time, to enter any place or premise under the permittee's ownership or occupation, other than a private dwelling, and inspect any activity which is subject to this permit.
4. The permittee shall provide written notice to the Department of Community Services, Protective Services Branch (Branch) prior to any significant change of circumstances at a permitted operation, site or business, including without limitation:
 - a) a change in the information submitted with the application for this permit;
 - b) a change in the ownership of the storage tank system;
 - c) a change in the mailing address, site location, or phone number of the permittee;
 - d) plans to abandon or remove a storage tank system;
 - e) storage of substances other than as authorized by this permit;
 - f) operation of a storage tank system not covered by this permit;
 - g) plans to take a storage tank system out of service for more than 7 days; or,
 - h) plans to take a seasonal storage tank system temporarily out of service.

5. The permittee shall ensure that all associated personnel (employees, contractors or volunteers) receive the appropriate training for the purposes of carrying out the requirements of this permit.
6. The permittee shall ensure that the appropriate permit is obtained from the Branch prior to the removal or abandonment of a storage tank system.

PART 2 STORAGE

1. The permittee shall ensure that all storage tanks to be used for the storage of petroleum products or hazardous substances, hereinafter referred to as substances are certified by a testing agency recognized by the Standards Council of Canada (SCC).
2. The permittee shall store the following substances in the aboveground storage tanks specified:
 - a) Tank #1: AST, 35000L, Gasoline
 - b) Tank #2: AST, 4500L, Diesel
 - c) Tank #3: AST, 25000L, Waste Oil
3. The permittee shall ensure that the tank numbers and contents of all storage containers are clearly marked and visible on each container.
4. The permittee shall ensure that incompatible substances are stored separately to prevent contamination, fires, explosions, gaseous emissions, leaching or other discharges, or other dangerous conditions.
5. The permittee shall ensure that no hazardous substances other than petroleum products are stored in an underground storage tank.

PART 3 OPERATION

1. The permittee shall ensure that substances are handled and stored in such a manner as to prevent their release into the environment.
2. The permittee shall ensure that any waste substance removed from a storage container or tank, including any residue at the bottom of the container, is not drained to the environment. Such waste substances shall be segregated and treated as special wastes until proven otherwise.
3. The permittee shall ensure that all substances are transferred under the continuous supervision of the person controlling the transfer.
4. The permittee shall ensure that all containers, tanks or areas used for storage are secured to prevent access by unauthorized persons.

PART 4 INSTALLATION OF ABOVEGROUND STORAGE TANK SYSTEMS

1. The permittee shall ensure that aboveground storage tank systems are installed in accordance with:
 - a) the *CCME Environmental Code of Practice for Aboveground and Underground Storage Tank Systems Containing Petroleum and Allied Petroleum Products (CCME Code)*, as amended from time to time; and
 - b) subsections 4.3.2 to 4.3.7 and/or 4.3.12 to 4.3.14 of the *NFC 2010*, as applicable to the location of installation.
2. The permittee shall ensure that all aboveground storage tanks meet the requirements of the *NFC 2010* for the substances to be contained.

3. The permittee shall ensure that each storage tank system is inspected by an environmental protection officer (867-667-5230) at the following stages of installation:
 - a) secondary containment;
 - b) tanks, piping, delivery system; and,
 - c) prior to filling.
4. The permittee shall ensure that aboveground storage tanks pass a leak test performed in accordance with section 4.4.1.2(3) of the *NFC 2010* before being filled.
5. The permittee shall submit records of the leak testing required in this part to an environmental protection officer prior to filling or putting the tank into service.
6. The permittee shall ensure that all aboveground storage tanks provide for space to allow for manual and visual inspections for leaks.
7. The permittee shall establish a substance transfer area around each aboveground storage tank that has a concrete curb or dike to contain any spills or leaks.
8. The permittee shall ensure that all materials on pipes, pumps, seals, containers and any other equipment that comes in contact with a stored substance is compatible with that substance.
9. The permittee shall ensure that all aboveground storage tanks have a spill containment device installed on each inlet to prevent the release of any substance, where the capacity of the tank is:
 - a) less than 4,000 litres for tanks used to store petroleum products; or
 - b) less than 2,000 litres for tanks used to store other hazardous substances.
10. The permittee shall ensure that all aboveground storage tanks have an impervious secondary containment system where the capacity of the tank is:
 - a) 4,000 litres or more, for tanks used to store petroleum products; or
 - b) 2,000 litres or more, for tanks used to store other hazardous substances.
11. Where an impervious containment system is required, it must provide for a permeability to water of less than 1×10^{-6} cm/second under a hydraulic head of 3 meters, and it must be sized to hold the larger of:
 - a) 110% of the volume of the largest storage tank; or
 - b) 25% of the total volume of all storage tanks.
12. The permittee shall ensure that aboveground storage tanks provide:
 - a) for overflow protection for tanks by means of:
 - i) fixed piping to an empty adjacent tank with a capacity equal to or greater than 20% of the protected tank; or,
 - ii) a high level alarm set at 90% of the full liquid level of the tank; or
 - iii) an automatic feed cutoff system set at 95% of the full liquid level of the tank; and
 - b) that all transfer lines, hoses and pipes are equipped with automatic shutoff or closure on failure valves which close off the flow of the substance in the event of a sudden accidental escape, unless a method of containment is provided to prevent the release of the substance.

AND/OR

PART 5 INSTALLATION OF UNDERGROUND STORAGE TANK SYSTEMS

1. The permittee shall ensure that underground storage tank systems are installed in accordance with the:
 - a) the *CCME Code*, as amended from time to time; and,
 - b) subsections 4.3.8 to 4.3.11 of the *NFC 2010*.

2. The permittee shall ensure that each storage tank system is inspected by an environmental protection officer (867-667-5230) at the following stages of installation:
 - a) secondary containment;
 - b) tanks, piping, delivery system; and,
 - c) prior to filling.
3. The permittee shall ensure that underground storage tanks pass a leak test performed in accordance with section 4.4.1.2(3) of the *NFC 2010* prior to being filled.
4. The permittee shall submit records of the leak testing required in this Part to an environmental protection officer prior to backfilling the installation.
5. The permittee shall ensure that overfill protection and spill containment devices conforming to sections 4.3.2 and 4.3.3 of the *CCME Code* are installed on each tank inlet to prevent the release of any substance.

PART 6 SEASONAL OPERATION / TEMPORARY CLOSURE

1. The permittee shall ensure that seasonal operation of underground storage tank systems is in accordance with section 4.3.15.1 of the *NFC 2010*, as amended from time to time. Where a loss of substance or water intrusion is apparent, the permittee shall immediately report the discrepancy to an environmental protection officer.
2. Where a storage tank will be out of service for 180 days or less the permittee shall ensure that:
 - a) for underground storage tanks:
 - i) the liquid level in the storage tank is measured each month and that a record of such measurement is retained for inspection purposes;
 - ii) ensure that fill pipe covers and covers over openings to measure liquid levels, dispensers and power controls are kept locked when not in use; and
 - iii) ensure that vent piping is kept open;
 - b) for aboveground storage tanks:
 - i) the piping from the tank is capped or that the valves necessary to achieve similar isolation of the tank are closed and securely locked; and
 - ii) when out-of-service storage tanks contain flammable liquids or combustible liquids, the liquid level in the tank is measured and that the readings are compared at intervals not greater than one month.
3. Where a storage tank will be out of service for more than 180 days the permittee shall ensure that:
 - a) for underground storage tanks:
 - i) the storage tanks, connected piping and dispensers are emptied of class I liquids;
 - ii) refill the storage tanks, piping and dispensers are refilled with a class II or IIIA liquid, or that not less than 1 kg of dry ice is added to the storage tank for each 500 litres of tank capacity;
 - iii) the liquid level of each storage tank containing a class II or IIIA liquid is measured at intervals not greater than one month, and that a record of such measurements is retained for inspection; and
 - iv) fill pipe covers and covers over openings to measure liquid levels, dispensers and power controls are locked;
 - b) for aboveground tanks:
 - i) all liquid and vapours are removed from the storage tank and all its connected piping; and
 - ii) markings on the storage tank clearly indicate that the tank is empty.
4. The permittee shall ensure that underground storage tanks which have been out of service for more than 12 months are not used until they have passed a leak test performed in accordance with section 4.4 of the *NFC 2010*.
5. The permittee shall submit records of the leak testing required in this Part to an environmental protection officer prior to operating a tank that has been out of service.
6. The permittee shall ensure that underground tanks which have no further use or which have been out of service for more than two years shall be removed as per section 4.3.15 of the *NFC 2010*.

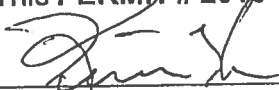
PART 7 SPILLS

1. The permittee shall contact either an environmental protection officer, or the 24-hour Yukon Spill Report Centre (867-667-7244) as soon as possible under the circumstances in the event of a release, spill, unauthorized emission, discharge, or escape of any substance.
2. The permittee shall ensure that appropriate clean-up equipment (such as sorbent, shovel, broom, bucket, gloves, boots, etc.) is in a readily available location on site.
3. The permittee shall ensure that emergency spill procedures are readily available and that all associated personnel (employees, contractors or volunteers) are familiar with those procedures.
4. The permittee shall ensure that the spilled substance is disposed of in accordance with the *Special Waste Regulations*, or as directed by the Environmental Programs Branch at (867) 667-5683.

PART 8 INSPECTIONS AND RECORD KEEPING

1. The permittee shall ensure that storage tanks are inspected:
 - a) in accordance with section 8.4 of the *CCME Code* (Inspections and Maintenance of Storage Tank Systems); and,
 - b) upon the request of an environmental protection officer.
2. The permittee shall keep all records required by this permit for a minimum of three years and make them available for inspection by an environmental protection officer upon request. Records shall be kept in a format acceptable to the Branch.

THIS PERMIT # 2016-09 ISSUED ON JUNE 1, 2016, AND SHALL EXPIRE ON JUNE 30, 2021.

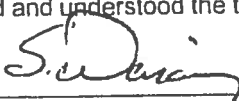


 Deputy Fire Marshal
 Fire Marshal's Office, Fire and Life Safety, Protective Service, Community Services

June 14/16

 Date

I, _____ [print name clearly], authorized representative of **Parsons Inc.**, have read and understood the terms and conditions of this permit.



 Authorized Representative
 Stu Waring

June 1st, 2016

 Date

CERTIFIED TRUE COPY



Permit No.: 2016-09

STORAGE TANK SYSTEM PERMIT

Issued for the installation, change and/or operation of storage tank systems

Pursuant to Parts 6 & 10 of the *Environment Act* and the *Storage Tank Regulations*

Permittee: Parsons Inc.
Mailing Address: Box 850, Faro, Yukon, Y0B 1K0
Site Location: Faro Mine Complex
Legal Site Description: 62 degrees 21.167'N; 133 degrees 24.312'W
Phone: (867) 994-2600 **Fax:** (867) 994-2378

In accordance with your application, **Parsons Inc.**, represented by yourself, is hereby permitted to:

Install, Enlarge, reduce or upgrade, Change the configuration of the piping, tanks or dyking, and / or

Operate a new, or altered

aboveground storage tank or tank system or underground storage tank or tank system,

at the above site location, subject to the following conditions:

PART 1 GENERAL CONDITIONS

1. The permittee shall comply with any applicable requirements in all federal, territorial, and municipal legislation, including the *Environment Act*, the *Storage Tank Regulations*, the *Special Waste Regulations*, the *Yukon Environmental and Socio-Economic Assessment Act* and the National Fire Code 2010 (*NFC 2010*), as amended from time to time.
2. The permittee shall ensure that all associated personnel (employees, contractors or volunteers) are aware of the conditions and requirements specified in this permit, and shall make a copy of this permit available to all personnel at the site location.
3. The permittee shall allow an environmental protection officer, at any reasonable time, to enter any place or premise under the permittee's ownership or occupation, other than a private dwelling, and inspect any activity which is subject to this permit.
4. The permittee shall provide written notice to the Department of Community Services, Protective Services Branch (Branch) prior to any significant change of circumstances at a permitted operation, site or business, including without limitation:
 - a) a change in the information submitted with the application for this permit;
 - b) a change in the ownership of the storage tank system;
 - c) a change in the mailing address, site location, or phone number of the permittee;
 - d) plans to abandon or remove a storage tank system;
 - e) storage of substances other than as authorized by this permit;
 - f) operation of a storage tank system not covered by this permit;
 - g) plans to take a storage tank system out of service for more than 7 days; or,
 - h) plans to take a seasonal storage tank system temporarily out of service.

5. The permittee shall ensure that all associated personnel (employees, contractors or volunteers) receive the appropriate training for the purposes of carrying out the requirements of this permit.
6. The permittee shall ensure that the appropriate permit is obtained from the Branch prior to the removal or abandonment of a storage tank system.

PART 2 STORAGE

1. The permittee shall ensure that all storage tanks to be used for the storage of petroleum products or hazardous substances, hereinafter referred to as substances are certified by a testing agency recognized by the Standards Council of Canada (SCC).
2. The permittee shall store the following substances in the aboveground storage tanks specified:
 - a) Tank #1: AST, 35000L, Gasoline
 - b) Tank #2: AST, 4500L, Diesel
 - c) Tank #3: AST, 25000L, Waste Oil
3. The permittee shall ensure that the tank numbers and contents of all storage containers are clearly marked and visible on each container.
4. The permittee shall ensure that incompatible substances are stored separately to prevent contamination, fires, explosions, gaseous emissions, leaching or other discharges, or other dangerous conditions.
5. The permittee shall ensure that no hazardous substances other than petroleum products are stored in an underground storage tank.

PART 3 OPERATION

1. The permittee shall ensure that substances are handled and stored in such a manner as to prevent their release into the environment.
2. The permittee shall ensure that any waste substance removed from a storage container or tank, including any residue at the bottom of the container, is not drained to the environment. Such waste substances shall be segregated and treated as special wastes until proven otherwise.
3. The permittee shall ensure that all substances are transferred under the continuous supervision of the person controlling the transfer.
4. The permittee shall ensure that all containers, tanks or areas used for storage are secured to prevent access by unauthorized persons.

PART 4 INSTALLATION OF ABOVEGROUND STORAGE TANK SYSTEMS

1. The permittee shall ensure that aboveground storage tank systems are installed in accordance with:
 - a) the *CCME Environmental Code of Practice for Aboveground and Underground Storage Tank Systems Containing Petroleum and Allied Petroleum Products (CCME Code)*, as amended from time to time; and
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2. The permittee shall ensure that all aboveground storage tanks meet the requirements of the *NFC 2010* for the substances to be contained.

3. The permittee shall ensure that each storage tank system is inspected by an environmental protection officer (867-667-5230) at the following stages of installation:
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 - c) prior to filling.
4. The permittee shall ensure that aboveground storage tanks pass a leak test performed in accordance with section 4.4.1.2(3) of the *NFC 2010* before being filled.
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8. The permittee shall ensure that all materials on pipes, pumps, seals, containers and any other equipment that comes in contact with a stored substance is compatible with that substance.
9. The permittee shall ensure that all aboveground storage tanks have a spill containment device installed on each inlet to prevent the release of any substance, where the capacity of the tank is:
 - a) less than 4,000 litres for tanks used to store petroleum products; or
 - b) less than 2,000 litres for tanks used to store other hazardous substances.
10. The permittee shall ensure that all aboveground storage tanks have an impervious secondary containment system where the capacity of the tank is:
 - a) 4,000 litres or more, for tanks used to store petroleum products; or
 - b) 2,000 litres or more, for tanks used to store other hazardous substances.
11. Where an impervious containment system is required, it must provide for a permeability to water of less than 1×10^{-6} cm/second under a hydraulic head of 3 meters, and it must be sized to hold the larger of:
 - a) 110% of the volume of the largest storage tank; or
 - b) 25% of the total volume of all storage tanks.
12. The permittee shall ensure that aboveground storage tanks provide:
 - a) for overflow protection for tanks by means of:
 - i) fixed piping to an empty adjacent tank with a capacity equal to or greater than 20% of the protected tank; or,
 - ii) a high level alarm set at 90% of the full liquid level of the tank; or
 - iii) an automatic feed cutoff system set at 95% of the full liquid level of the tank; and
 - b) that all transfer lines, hoses and pipes are equipped with automatic shutoff or closure on failure valves which close off the flow of the substance in the event of a sudden accidental escape, unless a method of containment is provided to prevent the release of the substance.

AND/OR

PART 5 INSTALLATION OF UNDERGROUND STORAGE TANK SYSTEMS

1. The permittee shall ensure that underground storage tank systems are installed in accordance with the:
 - a) the *CCME Code*, as amended from time to time; and,
 - b) subsections 4.3.8 to 4.3.11 of the *NFC 2010*.

2. The permittee shall ensure that each storage tank system is inspected by an environmental protection officer (867-667-5230) at the following stages of installation:
 - a) secondary containment;
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4. The permittee shall submit records of the leak testing required in this Part to an environmental protection officer prior to backfilling the installation.
5. The permittee shall ensure that overfill protection and spill containment devices conforming to sections 4.3.2 and 4.3.3 of the *CCME Code* are installed on each tank inlet to prevent the release of any substance.

PART 6 SEASONAL OPERATION / TEMPORARY CLOSURE

1. The permittee shall ensure that seasonal operation of underground storage tank systems is in accordance with section 4.3.15.1 of the *NFC 2010*, as amended from time to time. Where a loss of substance or water intrusion is apparent, the permittee shall immediately report the discrepancy to an environmental protection officer.
2. Where a storage tank will be out of service for 180 days or less the permittee shall ensure that:
 - a) for underground storage tanks:
 - i) the liquid level in the storage tank is measured each month and that a record of such measurement is retained for inspection purposes;
 - ii) ensure that fill pipe covers and covers over openings to measure liquid levels, dispensers and power controls are kept locked when not in use; and
 - iii) ensure that vent piping is kept open;
 - b) for aboveground storage tanks:
 - i) the piping from the tank is capped or that the valves necessary to achieve similar isolation of the tank are closed and securely locked; and
 - ii) when out-of-service storage tanks contain flammable liquids or combustible liquids, the liquid level in the tank is measured and that the readings are compared at intervals not greater than one month.
3. Where a storage tank will be out of service for more than 180 days the permittee shall ensure that:
 - a) for underground storage tanks:
 - i) the storage tanks, connected piping and dispensers are emptied of class I liquids;
 - ii) refill the storage tanks, piping and dispensers are refilled with a class II or IIIA liquid, or that not less than 1 kg of dry ice is added to the storage tank for each 500 litres of tank capacity;
 - iii) the liquid level of each storage tank containing a class II or IIIA liquid is measured at intervals not greater than one month, and that a record of such measurements is retained for inspection; and
 - iv) fill pipe covers and covers over openings to measure liquid levels, dispensers and power controls are locked;
 - b) for aboveground tanks:
 - i) all liquid and vapours are removed from the storage tank and all its connected piping; and
 - ii) markings on the storage tank clearly indicate that the tank is empty.
4. The permittee shall ensure that underground storage tanks which have been out of service for more than 12 months are not used until they have passed a leak test performed in accordance with section 4.4 of the *NFC 2010*.
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6. The permittee shall ensure that underground tanks which have no further use or which have been out of service for more than two years shall be removed as per section 4.3.15 of the *NFC 2010*.

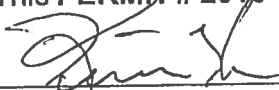
PART 7 SPILLS

1. The permittee shall contact either an environmental protection officer, or the 24-hour Yukon Spill Report Centre (867-667-7244) as soon as possible under the circumstances in the event of a release, spill, unauthorized emission, discharge, or escape of any substance.
2. The permittee shall ensure that appropriate clean-up equipment (such as sorbent, shovel, broom, bucket, gloves, boots, etc.) is in a readily available location on site.
3. The permittee shall ensure that emergency spill procedures are readily available and that all associated personnel (employees, contractors or volunteers) are familiar with those procedures.
4. The permittee shall ensure that the spilled substance is disposed of in accordance with the *Special Waste Regulations*, or as directed by the Environmental Programs Branch at (867) 667-5683.

PART 8 INSPECTIONS AND RECORD KEEPING

1. The permittee shall ensure that storage tanks are inspected:
 - a) in accordance with section 8.4 of the *CCME Code* (Inspections and Maintenance of Storage Tank Systems); and,
 - b) upon the request of an environmental protection officer.
2. The permittee shall keep all records required by this permit for a minimum of three years and make them available for inspection by an environmental protection officer upon request. Records shall be kept in a format acceptable to the Branch.

THIS PERMIT # 2016-09 ISSUED ON JUNE 1, 2016, AND SHALL EXPIRE ON JUNE 30, 2021.

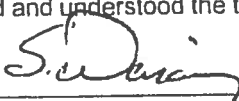


 Deputy Fire Marshal
 Fire Marshal's Office, Fire and Life Safety, Protective Service, Community Services

June 14/16

 Date

I, _____ [print name clearly], authorized representative of Parsons Inc., have read and understood the terms and conditions of this permit.



 Authorized Representative
 Stu Waring

June 1st, 2016

 Date



Permit No.: 2018-55

STORAGE TANK SYSTEM PERMIT

Issued for the installation, change and/or operation of storage tank systems

Pursuant to Parts 6 & 10 of the *Environment Act* and the *Storage Tank Regulations*

Permittee: Parsons Inc.
Mailing Address: Box 850, Faro, Yukon, Y0B 1K0
Site Location: Former Surface Lease Deposition No. 105K06-001
Legal Site Description: 62° 21.167'N; 133° 24.312' latitude x longitude
Phone: (867) 994-2600 **Fax:** (867) 994-2378

In accordance with your application, **Parsons Inc.**, represented by yourself, is hereby permitted to:

- Install, Enlarge, reduce or upgrade, Change the configuration of the piping, tanks or dyking, and / or
 Operate a new, or altered

aboveground storage tank or tank system or underground storage tank or tank system,

at the above site location, subject to the following conditions:

PART 1 GENERAL CONDITIONS

1. The permittee shall comply with any applicable requirements in all federal, territorial, and municipal legislation, including the *Environment Act*, the *Storage Tank Regulations*, the *Special Waste Regulations*, the *Yukon Environmental and Socio-Economic Assessment Act* and the National Fire Code 2015 (*NFC 2015*), as amended from time to time.
2. The permittee shall ensure that all associated personnel (employees, contractors or volunteers) are aware of the conditions and requirements specified in this permit, and shall make a copy of this permit available to all personnel at the site location.
3. The permittee shall allow an environmental protection officer, at any reasonable time, to enter any place or premise under the permittee's ownership or occupation, other than a private dwelling, and inspect any activity which is subject to this permit.
4. The permittee shall provide written notice to the Department of Community Services, Protective Services Branch (Branch) prior to any significant change of circumstances at a permitted operation, site or business, including without limitation:
 - a) a change in the information submitted with the application for this permit;
 - b) a change in the ownership of the storage tank system;
 - c) a change in the mailing address, site location, or phone number of the permittee;
 - d) plans to abandon or remove a storage tank system;
 - e) storage of substances other than as authorized by this permit;
 - f) operation of a storage tank system not covered by this permit;
 - g) plans to take a storage tank system out of service for more than 7 days; or,
 - h) plans to take a seasonal storage tank system temporarily out of service.

5. The permittee shall ensure that all associated personnel (employees, contractors or volunteers) receive the appropriate training for the purposes of carrying out the requirements of this permit.
6. The permittee shall ensure that the appropriate permit is obtained from the Branch prior to the removal or abandonment of a storage tank system.

PART 2 STORAGE

1. The permittee shall ensure that all storage tanks to be used for the storage of petroleum products or hazardous substances, hereinafter referred to as substances are certified by a testing agency recognized by the Standards Council of Canada (SCC).
2. The permittee shall store the following substances in the aboveground storage tanks specified:
 - a) Tank #1: AST, 50,000 L, Diesel
 - b) Tank #2: AST, 50,000 L, Diesel
 - c) Tank #3: AST, 25,000 L, Gasoline
3. The permittee shall ensure that the tank numbers and contents of all storage containers are clearly marked and visible on each container.
4. The permittee shall ensure that incompatible substances are stored separately to prevent contamination, fires, explosions, gaseous emissions, leaching or other discharges, or other dangerous conditions.
5. The permittee shall ensure that no hazardous substances other than petroleum products are stored in an underground storage tank.

PART 3 OPERATION

1. The permittee shall ensure that substances are handled and stored in such a manner as to prevent their release into the environment.
2. The permittee shall ensure that any waste substance removed from a storage container or tank, including any residue at the bottom of the container, is not drained to the environment. Such waste substances shall be segregated and treated as special wastes until proven otherwise.
3. The permittee shall ensure that all substances are transferred under the continuous supervision of the person controlling the transfer.
4. The permittee shall ensure that all containers, tanks or areas used for storage are secured to prevent access by unauthorized persons.

PART 4 INSTALLATION OF ABOVEGROUND STORAGE TANK SYSTEMS

1. The permittee shall ensure that aboveground storage tank systems are installed in accordance with:
 - a) the *CCME Environmental Code of Practice for Aboveground and Underground Storage Tank Systems Containing Petroleum and Allied Petroleum Products (CCME Code)*, as amended from time to time; and
 - b) subsections 4.3.2 to 4.3.7 and/or 4.3.13 to 4.3.14 of the *NFC 2015*, as applicable to the location of installation.
2. The permittee shall ensure that all aboveground storage tanks meet the requirements of the *NFC 2015* for the substances to be contained.

3. The permittee shall ensure that each storage tank system is inspected by an environmental protection officer (867-667-5230) at the following stages of installation:
 - a) secondary containment;
 - b) tanks, piping, delivery system; and,
 - c) prior to filling.
4. The permittee shall ensure that aboveground storage tanks pass a leak test performed in accordance with section 4.4.1.2(3) of the *NFC 2015* before being filled.
5. The permittee shall submit records of the leak testing required in this part to an environmental protection officer prior to filling or putting the tank into service.
6. The permittee shall ensure that all aboveground storage tanks provide for space to allow for manual and visual inspections for leaks.
7. The permittee shall establish a substance transfer area around each aboveground storage tank that has a concrete curb or dike to contain any spills or leaks.
8. The permittee shall ensure that all materials on pipes, pumps, seals, containers and any other equipment that comes in contact with a stored substance is compatible with that substance.
9. The permittee shall ensure that all aboveground storage tanks have a spill containment device installed on each inlet to prevent the release of any substance, where the capacity of the tank is:
 - a) less than 4,000 litres for tanks used to store petroleum products; or
 - b) less than 2,000 litres for tanks used to store other hazardous substances.
10. The permittee shall ensure that all aboveground storage tanks have an impervious secondary containment system where the capacity of the tank is:
 - a) 4,000 litres or more, for tanks used to store petroleum products; or
 - b) 2,000 litres or more, for tanks used to store other hazardous substances.
11. Where an impervious containment system is required, it must provide for a permeability to water of less than 1×10^{-6} cm/second under a hydraulic head of 3 meters, and it must be sized to hold the larger of:
 - a) 110% of the volume of the largest storage tank; or
 - b) 25% of the total volume of all storage tanks.
12. The permittee shall ensure that aboveground storage tanks provide:
 - a) for overflow protection for tanks by means of:
 - i) fixed piping to an empty adjacent tank with a capacity equal to or greater than 20% of the protected tank; or,
 - ii) a high level alarm set at 90% of the full liquid level of the tank; or
 - iii) an automatic feed cutoff system set at 95% of the full liquid level of the tank; and
 - b) that all transfer lines, hoses and pipes are equipped with automatic shutoff or closure on failure valves which close off the flow of the substance in the event of a sudden accidental escape, unless a method of containment is provided to prevent the release of the substance.

AND/OR

PART 5 INSTALLATION OF UNDERGROUND STORAGE TANK SYSTEMS

1. The permittee shall ensure that underground storage tank systems are installed in accordance with the:
 - a) the *CCME Code*, as amended from time to time; and,
 - b) subsections 4.3.8 to 4.3.12 of the *NFC 2015*.

2. The permittee shall ensure that each storage tank system is inspected by an environmental protection officer (867-667-5230) at the following stages of installation:
 - a) secondary containment;
 - b) tanks, piping, delivery system; and,
 - c) prior to filling.
3. The permittee shall ensure that underground storage tanks pass a leak test performed in accordance with section 4.4.1.2(3) of the *NFC 2015* prior to being filled.
4. The permittee shall submit records of the leak testing required in this Part to an environmental protection officer prior to backfilling the installation.
5. The permittee shall ensure that overfill protection and spill containment devices conforming to sections 4.3.2 and 4.3.3 of the *CCME Code* are installed on each tank inlet to prevent the release of any substance.

PART 6 SEASONAL OPERATION / TEMPORARY CLOSURE

1. The permittee shall ensure that seasonal operation of underground storage tank systems is in accordance with section 4.3.15.1 of the *NFC 2015*, as amended from time to time. Where a loss of substance or water intrusion is apparent, the permittee shall immediately report the discrepancy to an environmental protection officer.
2. Where a storage tank will be out of service for 180 days or less the permittee shall ensure that:
 - a) for underground storage tanks:
 - i) the liquid level in the storage tank is measured each month and that a record of such measurement is retained for inspection purposes;
 - ii) ensure that fill pipe covers and covers over openings to measure liquid levels, dispensers and power controls are kept locked when not in use; and
 - iii) ensure that vent piping is kept open;
 - b) for aboveground storage tanks:
 - i) the piping from the tank is capped or that the valves necessary to achieve similar isolation of the tank are closed and securely locked; and
 - ii) when out-of-service storage tanks contain flammable liquids or combustible liquids, the liquid level in the tank is measured and that the readings are compared at intervals not greater than one month.
3. Where a storage tank will be out of service for more than 180 days the permittee shall ensure that:
 - a) for underground storage tanks:
 - i) the storage tanks, connected piping and dispensers are emptied of class I liquids;
 - ii) refill the storage tanks, piping and dispensers are refilled with a class II or IIIA liquid, or that not less than 1 kg of dry ice is added to the storage tank for each 500 litres of tank capacity;
 - iii) the liquid level of each storage tank containing a class II or IIIA liquid is measured at intervals not greater than one month, and that a record of such measurements is retained for inspection; and
 - iv) fill pipe covers and covers over openings to measure liquid levels, dispensers and power controls are locked;
 - b) for aboveground tanks:
 - i) all liquid and vapours are removed from the storage tank and all its connected piping; and
 - ii) markings on the storage tank clearly indicate that the tank is empty.
4. The permittee shall ensure that underground storage tanks which have been out of service for more than 12 months are not used until they have passed a leak test performed in accordance with section 4.4 of the *NFC 2015*.
5. The permittee shall submit records of the leak testing required in this Part to an environmental protection officer prior to operating a tank that has been out of service.
6. The permittee shall ensure that underground tanks which have no further use or which have been out of service for more than two years shall be removed as per section 4.3.16 of the *NFC 2015*.


PART 7 SPILLS

1. The permittee shall contact either an environmental protection officer, or the 24-hour Yukon Spill Report Centre (867-667-7244) as soon as possible under the circumstances in the event of a release, spill, unauthorized emission, discharge, or escape of any substance.
2. The permittee shall ensure that appropriate clean-up equipment (such as sorbent, shovel, broom, bucket, gloves, boots, etc.) is in a readily available location on site.
3. The permittee shall ensure that emergency spill procedures are readily available and that all associated personnel (employees, contractors or volunteers) are familiar with those procedures.
4. The permittee shall ensure that the spilled substance is disposed of in accordance with the *Special Waste Regulations*, or as directed by the Environmental Programs Branch at (867) 667-5683.

PART 8 INSPECTIONS AND RECORD KEEPING

1. The permittee shall ensure that storage tanks are inspected:
 - a) in accordance with section 8.4 of the *CCME Code* (Inspections and Maintenance of Storage Tank Systems); and,
 - b) upon the request of an environmental protection officer.
2. The permittee shall keep all records required by this permit for a minimum of three years and make them available for inspection by an environmental protection officer upon request. Records shall be kept in a format acceptable to the Branch.

THIS PERMIT # 2018-55 ISSUED ON DECEMBER 17, 2018, AND SHALL EXPIRE ON DECEMBER 31, 2023.

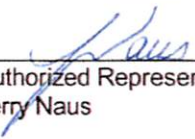


 Deputy Fire Marshal
 Fire Marshal's Office, Fire and Life Safety, Protective Service, Community Services

 Date

2019/01/23

I, Jerry Naus [print name clearly], authorized representative of **Parsons Inc.**, have read and understood the terms and conditions of this permit.



 Authorized Representative
 Jerry Naus

 Date

2019-01-22

Nicolle Gicas

From: Hounton, Maxime (AADNC/AANDC)
Sent: June 3, 2020 10:47 AM
To: Jacques, Nicole (AADNC/AANDC); Thériault2, Julie (AADNC/AANDC)
Subject: RE: Tank Registration- Faro Mine Complex - YT

Hi Nicole,

We do not receive a registration report as such. What we receive instead is the screenshot below which confirms the submission.

I hope this helps,

Maxime



- [Identification Management \(List\)](#)
- [New Identification](#)
- [Search](#)
- [Withdrawn from Service and/or Removed](#)
- [Change Tank System Ownership](#)
- [Edit my profile](#)
- [Contact Management](#)
- [Tank Owner Manager](#)
- [Tank Operators Manager](#)
- [Logout](#)

Submission Received

Thank you for your submission. This tank system has been received by Environment and Climate Change Canada. The identification number is:

00054392

As per the Regulation, ensure the identification number is clearly posted on or near the storage tank system.

[Print a copy for your records](#)

[Return to identification management](#)



From: Jacques, Nicole (AADNC/AANDC)
Sent: Wednesday, June 3, 2020 11:32 AM
To: Thériault2, Julie (AADNC/AANDC) ; Hounton, Maxime (AADNC/AANDC)
Subject: RE: Tank Registration- Faro Mine Complex - YT

Thank you for getting the application into the right hands and registered so quickly.

Should I expect a Registration Report for this tank?

Nicole Jacques
C: (867) 332-4473

From: Thériault2, Julie (AADNC/AANDC) <julie.theriault2@canada.ca>
Sent: June 3, 2020 8:07 AM
To: Hounton, Maxime (AADNC/AANDC) <maxime.hounton@canada.ca>
Cc: Jacques, Nicole (AADNC/AANDC) <nicole.jacques@canada.ca>
Subject: RE: Tank Registration- Faro Mine Complex - YT

Merci Maxime!
Julie

From: Hounton, Maxime (AADNC/AANDC) <maxime.hounton@canada.ca>
Sent: June 3, 2020 11:07 AM
To: Thériault2, Julie (AADNC/AANDC) <julie.theriault2@canada.ca>
Cc: Jacques, Nicole (AADNC/AANDC) <nicole.jacques@canada.ca>
Subject: RE: Tank Registration- Faro Mine Complex - YT

Hi Julie,
Please note that the registration of the Faro Mine Tank is now completed and the EC identification number is: **00054392**
Maxime

From: Thériault2, Julie (AADNC/AANDC) <julie.theriault2@canada.ca>
Sent: Wednesday, June 3, 2020 7:50 AM
To: Hounton, Maxime (AADNC/AANDC) <maxime.hounton@canada.ca>
Cc: Jacques, Nicole (AADNC/AANDC) <nicole.jacques@canada.ca>
Subject: FW: Tank Registration- Faro Mine Complex - YT

Good morning Maxime,

Nicole Jacques from the FARO Mine Remediation Group has submitted the attached storage tank ID form to add a new tank into the department's inventory in FIRSTS. Can you please proceed with the addition of the tank and should you have any questions, contact Nicole?

Thanks Maxime.

PS – Nicole, our Real Property Group under the CFRDO is responsible to manage the FIRSTS database, and we are the main contacts in the department should you need to make any modifications to the database. So please don't hesitate to contact us if you need assistance with updating the info related to the tanks your group is responsible for.

Regards,

Julie Thériault, ing.,MÉE / P.Eng, MES

Gestionnaire, Biens immobiliers

Relations Couronne-Autochtones et Affaires du Nord Canada
Services aux Autochtones Canada
julie.theriault2@canada.ca / Tél. : 819-576-2476

Manager, Real Property

Crown-Indigenous Relations and Northern Affairs Canada
Indigenous Services Canada
julie.theriault2@canada.ca / Tel: 819-576-2476



From: RegistreRéservoir / TankRegistry (EC) <ec.registrereservoir-tankregistry.ec@canada.ca>

Sent: June 2, 2020 7:28 PM

To: Thériault2, Julie (AADNC/AANDC) <julie.theriault2@canada.ca>

Cc: RegistreRéservoir / TankRegistry (EC) <ec.registrereservoir-tankregistry.ec@canada.ca>

Subject: TR: Tank Registration- Faro Mine Complex - YT

Good day,

As an administrator of the FIRSTS account for Indigenous and Northern Affairs Canada, can you please assist Nicole Jacques with the identification of a storage tank system. Please see the attached identification form.

Should you have questions, please do not hesitate to contact me.

Regards,

Élise Legault

Programme des réservoirs de stockage, Direction générale de la protection de l'environnement
Environnement et Changement climatique Canada / Gouvernement du Canada

ec.registrereservoir-tankregistry.ec@canada.ca / Tél.: 1-844-672-8038

Storage Tank Program, Environmental Protection Branch
Environment and Climate Change Canada / Government of Canada
ec.registrereservoir-tankregistry.ec@canada.ca / Tel: 1-844-672-8038

De : Jacques, Nicole (AADNC/AANDC) <nicole.jacques@canada.ca>

Envoyé : 1 juin 2020 12:29

À : RegistreRéservoir / TankRegistry (EC) <ec.registrereservoir-tankregistry.ec@canada.ca>

Cc : Therrien2, Marie-France (AADNC/AANDC) <marie-france.therrien2@canada.ca>

Objet : Tank Registration- Faro Mine Complex - YT

Hello,

Please find attached a request to register a tank for use at the Faro Mine Complex in the Yukon. If you have any questions about this application, please do not hesitate to contact me.

Thank you,

Nicole Jacques, M.Sc., EP
Environmetnal Management Plan and Health and Safety Lead
Faro Mine Remediation - Northern Contaminated Sites Branch
Crown Indigenous Relations and Northern Affairs Canada
C: (867) 332-4473
Nicole.Jacques@canada.ca



PERMIT TO OPERATE

Issued to: Dean Chambers
Facility Name: FARO MINE COMPLEX, CANADA LTD OUTLAND
Address: Mine Site
Faro, YT


This permit is restricted to the operation of a: **Work Camp**

Terms and Conditions:

1. Every operator of a food premises must ensure that all food on the premises is obtained from a source that is approved by the Government of Canada, the Government of another Province or Territory, or an official or agency of any of those Governments under whose authority food safety standards are established and enforced.
2. Operation of a food premises shall be in accordance with the guidelines outlined in the *Food Retail and Food Services Code (current edition)* where not described in the Regulations.
3. This permit is non-transferable.
4. Your drinking water system must maintain a minimum free chlorine residual of 0.2 mg/L throughout storage. You shall test for free chlorine residue regularly and document accordingly.
5. A drinking water sample collected from a point of use (e.g. kitchen) shall be submitted monthly for bacteriological analysis to an accredited water laboratory and a copy of the results provided to Environmental Health Services (EHS).

Issuance date: September 5, 2019
Expiry date: March 31, 2020

Issued by: Environmental Health Services

Per 
Nadine Nicholson, C.P.H.I. (C)
Health Officer

This permit is to be displayed in a location within the premises
where it can be viewed by the public.

Permit to Operate a Trucked Distribution System

Issued to: Mike Mickey, Owner / Operator
Glacier Drilling Ltd.

Address: 171 Industrial Road
Whitehorse, YT

This permit is issued in accordance with section 68(1) of the Drinking Water Regulation and is restricted to the operation of the Glacier Drilling Ltd. Trucked Distribution System for drinking water.

Pursuant to section 69 of the Drinking Water Regulation, this permit is valid unless it is revoked or suspended by a Health Officer, or this Trucked Distribution System ceases to operate.

Pursuant to sections 70 and 71(1) of the Drinking Water Regulation, this permit may be amended by a Health Officer if the name of the owner or the name of the Trucked Distribution System changes.

Date of issuance: June 13, 2019

Issued by: Environmental Health Services

Per



Franklin Fru, C.P.H.I.(C)
Health Officer



Permit No.: 2020-38

STORAGE TANK SYSTEM PERMIT

Issued for the installation, change and/or operation of storage tank systems

Pursuant to Parts 6 & 10 of the *Environment Act* and the *Storage Tank Regulations*

Permittee: Kevin McMurren, Parsons Inc.

Mailing Address: PO Box , Faro, Yukon, Y0B 1K0

Site Location: Faro Mine Complex

Legal Site Description:

Phone: (867) 994-2600

Fax: (867) 994-2378

In accordance with your application, **Parsons Inc.**, represented by yourself, is hereby permitted to:

Operate a new, storage tank, at the above site location, subject to the following conditions:

PART 1 GENERAL CONDITIONS

1. The permittee shall comply with any applicable requirements in all federal, territorial, and municipal legislation, including the *Environment Act*, the *Storage Tank Regulations*, the *Special Waste Regulations*, the *Yukon Environmental and Socio-Economic Assessment Act* and the National Fire Code 2015 (*NFC 2015*), as amended from time to time.
2. The permittee shall ensure that all associated personnel (employees, contractors or volunteers) are aware of the conditions and requirements specified in this permit, and shall make a copy of this permit available to all personnel at the site location.
3. The permittee shall allow an environmental protection officer, at any reasonable time, to enter any place or premise under the permittee's ownership or occupation, other than a private dwelling, and inspect any activity which is subject to this permit.
4. The permittee shall provide written notice to the Department of Community Services, Protective Services Branch (Branch) prior to any significant change of circumstances at a permitted operation, site or business, including without limitation:
 - a) a change in the information submitted with the application for this permit;
 - b) a change in the ownership of the storage tank system;
 - c) a change in the mailing address, site location, or phone number of the permittee;
 - d) plans to abandon or remove a storage tank system;
 - e) storage of substances other than as authorized by this permit;
 - f) operation of a storage tank system not covered by this permit;
 - g) plans to take a storage tank system out of service for more than 7 days; or,
 - h) plans to take a seasonal storage tank system temporarily out of service.
5. The permittee shall ensure that all associated personnel (employees, contractors or volunteers) receive the appropriate training for the purposes of carrying out the requirements of this permit.
6. The permittee shall ensure that the appropriate permit is obtained from the Branch prior to the removal or abandonment of a storage tank system.

6. The permittee shall ensure that all aboveground storage tanks provide for space to allow for manual and visual inspections for leaks.
7. The permittee shall establish a substance transfer area around each aboveground storage tank that has a concrete curb or dike to contain any spills or leaks.
8. The permittee shall ensure that all materials on pipes, pumps, seals, containers and any other equipment that comes in contact with a stored substance is compatible with that substance.
9. The permittee shall ensure that all aboveground storage tanks have a spill containment device installed on each inlet to prevent the release of any substance, where the capacity of the tank is:
 - a) less than 4,000 litres for tanks used to store petroleum products; or
 - b) less than 2,000 litres for tanks used to store other hazardous substances.
10. The permittee shall ensure that all aboveground storage tanks have an impervious secondary containment system where the capacity of the tank is:
 - a) 4,000 litres or more, for tanks used to store petroleum products; or
 - b) 2,000 litres or more, for tanks used to store other hazardous substances.
11. Where an impervious containment system is required, it must provide for a permeability to water of less than 1×10^{-6} cm/second under a hydraulic head of 3 meters, and it must be sized to hold the larger of:
 - a) 110% of the volume of the largest storage tank; or
 - b) 25% of the total volume of all storage tanks.
12. The permittee shall ensure that aboveground storage tanks provide:
 - a) for overflow protection for tanks by means of:
 - i) fixed piping to an empty adjacent tank with a capacity equal to or greater than 20% of the protected tank; or,
 - ii) a high level alarm set at 90% of the full liquid level of the tank; or
 - iii) an automatic feed cutoff system set at 95% of the full liquid level of the tank; and
 - b) that all transfer lines, hoses and pipes are equipped with automatic shutoff or closure on failure valves which close off the flow of the substance in the event of a sudden accidental escape, unless a method of containment is provided to prevent the release of the substance.

AND/OR

PART 5 INSTALLATION OF UNDERGROUND STORAGE TANK SYSTEMS

1. The permittee shall ensure that underground storage tank systems are installed in accordance with the:
 - a) the *CCME Code*, as amended from time to time; and,
 - b) subsections 4.3.8 to 4.3.12 of the *NFC 2015*.
2. The permittee shall ensure that each storage tank system is inspected by an environmental protection officer (867-667-5230) at the following stages of installation:
 - a) secondary containment;
 - b) tanks, piping, delivery system; and,
 - c) prior to filling.
3. The permittee shall ensure that underground storage tanks pass a leak test performed in accordance with section 4.4.1.2(3) of the *NFC 2015* prior to being filled.
4. The permittee shall submit records of the leak testing required in this Part to an environmental protection officer prior to backfilling the installation.
5. The permittee shall ensure that overflow protection and spill containment devices conforming to sections 4.3.2 and 4.3.3 of the *CCME Code* are installed on each tank inlet to prevent the release of any substance.

PART 8 INSPECTIONS AND RECORD KEEPING

1. The permittee shall ensure that storage tanks are inspected:
 - a) in accordance with section 8.4 of the *CCME Code* (Inspections and Maintenance of Storage Tank Systems); and,
 - b) upon the request of an environmental protection officer.
2. The permittee shall keep all records required by this permit for a minimum of three years and make them available for inspection by an environmental protection officer upon request. Records shall be kept in a format acceptable to the Branch.

THIS PERMIT # 2020-01 ISSUED ON NOVEMBER 17, 2020, AND SHALL EXPIRE ON SEPTEMBER 30 2025.


Deputy Fire Marshal
Fire Marshal's Office, Fire and Life Safety, Protective Service, Community Services

December 18'20
Date

I, KEVIN McMURREN [print name clearly], authorized representative of **Parsons Inc.**, have read and understood the terms and conditions of this permit.


Authorized Representative

17 Nov 20
Date



**Environmental Health Services
2 Hospital Road
PO Box 2703, Whitehorse Y1A 2C6**

April 15, 2020

Yukon Government
EMR – Assessment & Abandoned Mines Branch
Attn: Dustin Rainey
R 2C Royal Bank Centre
4114 4th Avenue
Whitehorse, Yukon
Y1A 4N7

Re: APPROVAL TO USE A SEWAGE DISPOSAL SYSTEM - PERMIT # 6190
Legal description: Faro Mine Site, OIC 2008/168, Town of Faro, Yukon
Type of system: 63.2 m³ Above Ground Sewage Holding Tank
Type of premises: 112 Person Temporary Work Camp (Exp. Date: 30-06-2020)

The notification of installation form, sewage holding tank installation declaration form, electrical assurance for sewage holding tanks and photographic record of installation for the sewage disposal system located on the property described above have been received by our office.

Your system appears to have been installed in accordance with the application and permit. Approval is hereby granted for the temporary use of the sewage disposal system. Please note that this approval is not a warranty as to system performance or service life.

All permit and notification requirements of the *Sewage Disposal Systems Regulation (OIC 1999/82)* pursuant to the Public Health and Safety Act have been satisfied.

As per Section 35 of the *Regulation*, the owner shall notify a health officer when a sewage disposal system is to be abandoned, and provide the health officer with reasons why it is being abandoned and information about the proposed reclamation of the site. The owner shall complete, sign and submit the 'Notification of Abandonment and Reclamation of a Sewage Disposal System Form' to Environmental Health Services upon abandonment of the system.

If you have any questions or require any additional information, please contact Environmental Health Services at (867) 667-8391.

Sincerely,

A handwritten signature in black ink, appearing to read "Franklin Fru", written over a horizontal line.

Franklin Fru, C.P.H.I.(C)
Environmental Health Officer

cc: Building Inspections, Yukon Government
encl: Operation and Maintenance of a Septic System

A properly installed sewage disposal system, consisting of a septic tank and absorption field, should, with proper care and maintenance, provide many years of service. The following information will assist you to enhance system performance, and extend its useful life.

Surface Water

Do not allow roof drains to discharge to the septic tank or surface waters to drain towards the area of the disposal field.

Hot Tub and Swimming Pool Waste Water

Do not drain the waste water from a hot tub, swimming pool or other similar facility into a sewage disposal system.

Water Usage

Excessive and unnecessary water usage should be avoided. If automatic washers and dishwashers are used, make sure full loads are washed each time. Excessive use of water, such as doing numerous washings in one day, could flush solids from the tank to the disposal field.

Garbage Disposal Units

Wastes from garbage disposal units are not easily digested by bacteria in the septic tank and only add to the volume of solids which must be removed by pumping the tank. Therefore, the use of garbage disposal units is not recommended.

Operation

Moderate use of household drain solvents, cleaners, disinfectants, etc. should not interfere with the operation of the sewage disposal system, however, indiscriminate use may cause problems. Toilet paper substitutes, paper towels, newspaper, sanitary napkins, etc. should not be flushed into the septic tank since they will not readily decompose.

Starters and Cleaners

There is no need to use commercial "starters", "bacterial feeds", or "cleaners" for the septic tank or disposal field. Some additives can actually create problems by causing solids to be carried into the absorption system, resulting in soil clogging.

Inspection and Cleaning

The septic tank should be inspected at least once a year, and the tank pumped out when necessary. As a minimum, the tank should be cleaned every two years. Failure to pump out a septic tank when required may result in sludge or scum being carried over to the disposal field, resulting in soil clogging and complete failure of the system. The tank should not be washed or disinfected after pumping. The cleaning should be performed by professionals familiar with proper procedures and having adequate equipment.

Traffic Over Absorption System

The area above and near a soil absorption system should never be used as a traffic area for vehicles, pedestrians or animals. An accumulation of snow is important in order to maintain a cover of natural insulation to prevent freezing. During winter months, it is recommended that a snow fence or other suitable barrier be placed around the absorption system to discourage any traffic on the area. This will help maintain a thicker layer of snow insulation.

Vegetation

The area over a disposal field should have a good vegetation cover. However, shrubs or trees should not be planted over the area in order to expose the ground cover to sunlight/heat.

Increased Waste Loads

If the waste loads and volumes of sewage entering the soil absorption system are greater than that for which the system was designed, failure of the field can occur. Contact the Environmental Health Office regarding enlargement, repair, load reduction and/or replacement options.

Vents and Accesses

During the winter, airtight caps should be securely fastened on all clean-outs and monitoring pipes. These pipes should also be fitted with insulation plugs to help discourage the escape of heat from the soil absorption system.

Periodic Occupancy

If the residence is used only periodically, or if extended absences occur, freezing problems can develop in the winter. Extra insulation (e.g., leaves, straw, sawdust, snow) over the system can help to reduce the freezing potential. When the house/building will be vacant for extended time periods, and there is a potential for freezing, it is advisable to have the septic tank emptied.

As-Built Plans

A detailed diagram showing the exact location of the septic tank and disposal field, along with the application, permit, final approval, and photos of the installation should be kept in the home/premises for future reference. This will assist system location for servicing/repairs, and provide support for ready sale and financing.

For further information contact:

Environmental Health Services

#2 Hospital Rd., Whitehorse, Yukon Y1A 3H8

Phone: (867) 667-8391 • Fax: (867) 667-8322

E-mail: environmental.health@gov.yk.ca

Toll-free in Yukon: 1-800-661-0408, ext. 8391

Adapted from the booklet, **SEPTIC SYSTEMS IN THE YUKON - A Guide to their Design and Maintenance**