

May 16, 2023

Ref: Request for Qualifications & Quote Inchelium Senior Meal Site Design and Construction Documents

Sub: Addendum 01 – Design On-Site Septic System

The above referenced RFQQ is modified to include Addendum 01 Design On-Site Septic System for the Inchelium Senior Meal Site in compliance with the Colville Tribes procedure, process and all applicable codes.

The revised price sheet is attached along with the OSS Application Process Guide and OSS Design Review Sheet.

All other conditions of the RFQQ remain the same.

Paul Tillman, Project COR

After opening and ranking, an award may be made on the basis of the proposals initially submitted, without discussion, clarification or modification, or, the Colville Confederated Tribes may discuss with the selected Consultant offers for cost reduction and other elements of the Consultant proposal. If the Colville Confederated Tribes determines that it is unable to reach a contract satisfactory to the Colville Confederated Tribes with the selected Consultant, then the Colville Tribe will terminate discussions with the selected Consultant and proceed to the next Consultant in order of selection ranking until a contract is reached or The Colville Tribe has rejected all proposals. The Colville Confederated Tribes may not disclose any information derived from the proposals submitted from competing offers in conducting such discussions. The Colville Confederated Tribes reserves the right to award a Contract for all or any portion of the requirements proposed by reason of this request, award multiple Contracts, or to reject any and all proposals if deemed to be in the best interests of the Colville Confederated Tribes and to re-solicit for proposals, or to reject any and all proposals if deemed to be in the best interests of the Colville Confederated Tribes and to temporarily or permanently abandon the procurement. If the Colville Confederated Tribes award a Contract, it will award the contract to the offeror or offerors whose proposal is the most advantageous to the Colville Confederated Tribes and offers the best value, considering price and the evaluation factors set forth in the RFQQ.

Inchelium Senior Meal Site, May 26, 2023

Lump Sum Price in USD Inclusive of all Taxes and Fees
and Includes Addendum 01 OSS Design \$ _____

Consultant Signature _____ Title _____

Consultant Name _____

Address _____

Telephone _____ License # _____

Exceptions: _____



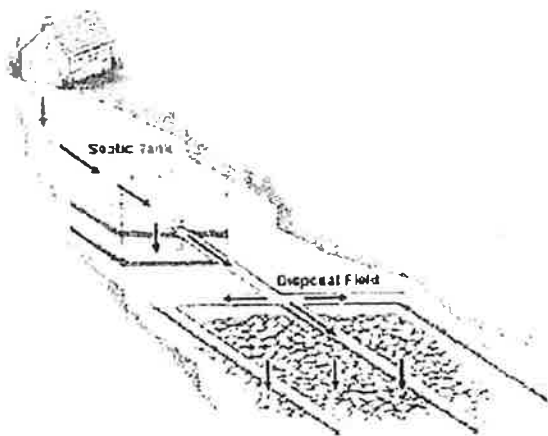
Education Sheet for the CCT On-Site Septic System (OSS) Application Process

Is an OSS necessary for your plan?

Well...Will you be constructing, renovating, or adding onto a residence, workshop, or garage? How about constructing or renovating a business? Replacing a failing septic system? Establishing a summer home?

Every residence, place of business, building or other place where persons congregate, reside or are employed, in which plumbing fixtures are installed and to which a public sewer or other wastewater treatment and disposal system is not available and connected, shall be provided with an OSS which shall be constructed, operated, and maintained in accordance with Colville Tribal Code (CTC) 4-5.

What is an OSS?



Common in rural areas without centralized sewer systems, OSS are underground wastewater treatment structures that use a combination of nature and time-tested technology to treat wastewater from household plumbing produced by bathrooms, kitchen drains, and laundry.

One-quarter of all US homes use OSS to treat their household wastewater.

How does an OSS work?

First, all water runs out of your house from one main drainage pipe into an underground septic tank (a water-tight container).

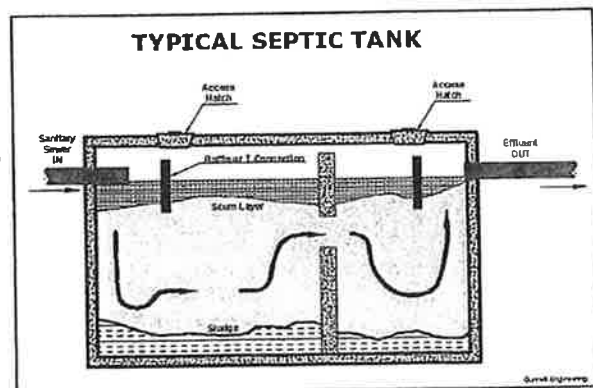
Second, the septic tank holds the wastewater long enough to allow solids to settle down to the bottom (forming sludge), while oil and grease floats to the top (scum layer).

Then, the liquid wastewater exits the tank (effluent) into the disposal field (aka drainfield or sub-surface soil absorption

system [SSAS]).

Finally, the wastewater percolates into the soil, which naturally removes harmful bacteria, viruses and nutri-

ents. However, if the SSAS isn't functioning properly, sewage can flow into the ground surface or create backups in your toilets, showers, and sinks.



Visit the website:

www.gbra.org/septic.swf

to view an interactive tool addressing how a septic system works.



**Environmental
Trust Department**

**13 Moses Street
Nespelem Agency Campus**

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**Wastewater in Tribal
Communities**

“Native American and Alaskan Native communities are more likely to lack access to wastewater services than other population groups in the United States. In 2012, approximately 12% of these homes lacked access to safe drinking water and/or wastewater facilities [...] A lack of clean water infrastructure in tribal communities threatens public health and the environment, specifically ecosystems that support wildlife and fish upon which these communities commonly rely as subsistence food sources.”

<http://water.epa.gov/type/watersheds/wastewater/Basic-Information-US-EPA.cfm>

What is the process for getting an OSS application and permit approved for installation?

The CCT Environmental Trust Department (ETD) is charged with administering CTC Chapter 4-5, the On-site Wastewater Treatment and Disposal Code. The code may be viewed online at:

http://www.colvilletribes.com/media/files/July_2011_version_of_Chapter_4-5.pdf

A 7 - Step Process has been developed to assist applicants and ensure that the human and environmental health needs of their family and home are met.

STEP 1 - Applicant submits a Planning and/or 3P proposal for routing and review by CCT and BIA personnel. Zoning must first be accurate and approved, with cultural, fish, wildlife, water and wetland protection ensured and cleared.

STEP 2 - Applicant provides copies of any CCT and BIA recommendations, mitigation measures or conditions to the CCT ETD Water Regulatory Specialist (WRS). Once these items are received, the WRS will provide the applicant with an Application for Site Evaluation which the applicant will fill out and return to the WRS.

STEP 3 - Upon receiving the completed Application for Site Evaluation and the appropriate fee, the WRS will inform the applicant when Test Trenches may be excavated. The applicant arranges for Test Trenches to be excavated and informs the WRS when they are ready and the WRS will conduct a Site Evaluation.

STEP 4 - The WRS provides a Site Evaluation Report to the applicant, who has backfilled the Test Trenches. The applicant works with a designer or engineer licensed by the Washington State Department of Licensing to design an OSS suitable for the site and submits the OSS Design to the WRS for review.

STEP 5 - The WRS reviews the OSS Design and provides a complete OSS Design Review Sheet to the applicant. Depending on whether or not the OSS Design Review sheet is accurate and all the required information and fees have been received, the WRS will either provide additional recommendations to the applicant or proceed to Step 6.

STEP 6 - WRS issues an OSS Installation Permit to the applicant, and the applicant coordinates with the designer to ensure that the OSS is installed properly. Within two (2) days of the installation (prior to the OSS being covered), the applicant contacts the WRS for an OSS Final Inspection.

STEP 7 - The WRS will verify the OSS was installed in accordance with the permit, the approved system designed for the site, and the requirements of CTC 4-5. Documentation of the approved Inspection date and recommendations for OSS maintenance and pumping will be provided to the applicant. If the installation is not according to the permit, the system is not approved or all requirements of CTC 4-5 have not been met, the WRS will provide additional guidance to the applicant.

For more information, visit us online at: http://www.colvilletribes.com/environmental_trust.php

OSS DESIGN REVIEW SHEET

ENVIRONMENTAL TRUST DEPARTMENT

Amelia Marchand, Water Regulatory Specialist
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 P.O. Box 150
 Nespelem, WA 99155

Key: "X"= meets minimum design requirements, "O" does not meet minimum design requirements, "n/a"=not applicable

Property Owner:		Application Record #	
Designer:		Reviewed by:/Date	
System Overview:			
<u>Distribution Method:</u>	<u>Pretreatment:</u>	<u>Drainfield Layout:</u>	<u>Drainfield Type:</u>
<input type="checkbox"/> Gravity	<input type="checkbox"/> Aerobic device	<input type="checkbox"/> Bed	<input type="checkbox"/> Drainrock
<input type="checkbox"/> Pressure	<input type="checkbox"/> Int. sand filter	<input type="checkbox"/> Trench	<input type="checkbox"/> Gravelless
<input type="checkbox"/> Dosing Gravity	<input type="checkbox"/> Disinfection unit	<input type="checkbox"/> Mound	<input type="checkbox"/> Sand-lined
<input type="checkbox"/> Other	<input type="checkbox"/> Grease trap	<input type="checkbox"/> Other	<input type="checkbox"/> Other
<input type="checkbox"/> Other	<input type="checkbox"/> Other		
Septic tank/drainfield specifications		Special conditions	Other
Check design to see that the following items are correct:		<input type="checkbox"/> Floodplain	<input type="checkbox"/> Designer certification statement
<input type="checkbox"/> Number of bedrooms	<input type="checkbox"/> Application	<input type="checkbox"/> Shoreline	
<input type="checkbox"/> Daily flow	<input type="checkbox"/> Required drainfield area	<input type="checkbox"/> Wetland	
<input type="checkbox"/> Septic tank capacity	<input type="checkbox"/> Reduction taken	<input type="checkbox"/> Minimum lot size	
<input type="checkbox"/> Tanks with risers to surface	<input type="checkbox"/> Trench/bed width	<input type="checkbox"/> Other	
<input type="checkbox"/> Soil type (see soil logs)	<input type="checkbox"/> Trench/bed length		

Check to see that the following items have been included and are correct.

Site Plan:		
<input type="checkbox"/> Test hole locations	<input type="checkbox"/> Location and dimension of initial and replacement drainfield	<input type="checkbox"/> North arrow and scale bar
<input type="checkbox"/> Drainfield placed in area of test holes	<input type="checkbox"/> Buildings (existing & proposed)	<input type="checkbox"/> Drawn to scale
<input type="checkbox"/> Property lines	<input type="checkbox"/> General topography elevations	<input type="checkbox"/> Horizontal setbacks adequate (wells, surface water, water lines, property lines, easements, buildings, etc)
<input type="checkbox"/> Existing & proposed wells within 100' of property	<input type="checkbox"/> Waterlines	<input type="checkbox"/> Location and orientation of curtain drain
<input type="checkbox"/> Critical distance measurements to cuts, banks, and surface water	<input type="checkbox"/> Roads, easements, parking & driveways	
Layout Sketch:		
<input type="checkbox"/> Drainfield orientation and layout	<input type="checkbox"/> Septic tank/pump chamber location	<input type="checkbox"/> Manifold placement
<input type="checkbox"/> Trench/bed dimensions and critical distances within layout	<input type="checkbox"/> Observation port locations, if required	<input type="checkbox"/> Orifice placement
<input type="checkbox"/> D-box, "T" & "L" locations	<input type="checkbox"/> Clean-out locations	<input type="checkbox"/> Lateral placement, with distance to edge of trench/bed
<input type="checkbox"/> Scale Shown	<input type="checkbox"/> Observation ports and cleanouts adequate	<input type="checkbox"/> Audible/visual alarm referenced
		<input type="checkbox"/> All valves and other such components shown
Cross-Section Sketch:		
<u>Referenced depth from original grade:</u>	<u>Referenced from original grade and restrictive strata:</u>	<u>Other cross-section detail:</u>
<input type="checkbox"/> Septic tank lid and drainfield cover depth	<input type="checkbox"/> Trench/bed design correct	<input type="checkbox"/> Observation ports and cleanouts
	<input type="checkbox"/> Laterals, trench/bed top & bottom	<input type="checkbox"/> Installation in soil depth correct
	<input type="checkbox"/> Curtain drain collector	<input type="checkbox"/> Vertical separation adequate for system
		<input type="checkbox"/> D-box/leveling device
		<input type="checkbox"/> Distribution device riser to grade
		<input type="checkbox"/> % slope (≤30% or 20% for mounds)

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Operation & Maintenance:		Waivers:
<input type="checkbox"/> User's manual developed		<input type="checkbox"/> Waivers complete, if applicable
<input type="checkbox"/> Notice to title needed (ATU's, PBF's, community system, etc.)		
Transport Pipe:		Drainfield Manifold (if pressure):
<input type="checkbox"/> Length, location, diameter shown		<input type="checkbox"/> Length correct (see pressure guidelines)
<input type="checkbox"/> Double cased under roads/drives if needed		<input type="checkbox"/> preferred manifold configuration used (if not, changes justifiable)
<input type="checkbox"/> Transport line 18" deeper than intersecting water lines, or at least 10' from parallel water lines (if not, mitigation measures met as per criteria for Sewage Works Design)		
Drainfield Laterals:	Drainfield Orifices:	
<input type="checkbox"/> Diameter Correct	<input type="checkbox"/> Orifice spacing correct	
<input type="checkbox"/> Length correct (gravity must be 100' or less; for pressure refer to pressure guidelines)	<input type="checkbox"/> Number of orifices per lateral correct (lateral length divided by orifice spacing, then rounded up to next whole number)	
<input type="checkbox"/> Number & length correct (with adequate square footage provided)	<input type="checkbox"/> Total number of orifices correct (number per lateral x number of laterals)	
<input type="checkbox"/> Separation correct (10' on center or greater)		
Pump to Drainfield or Treatment Device:		Pump Chamber/Dosing/Control Panel:
<input type="checkbox"/> Required pump capacity correct (number of orifices x orifice discharge rate)		<input type="checkbox"/> Pump chamber capacity adequate (1.75 x daily flow)
<input type="checkbox"/> Total pressure head correct with calculations submitted for:		<input type="checkbox"/> Dosing schedule adequate (gallons per doe x number of doses per day equals daily flow)
<input type="checkbox"/> friction loss		<input type="checkbox"/> Minimum dose frequency requirements met
<input type="checkbox"/> elevation between pump and uppermost orifice		<input type="checkbox"/> Timer required
<input type="checkbox"/> residual head in feet (2' for 3/16" orifices, 5' for 1/8" orifices)		<input type="checkbox"/> Does design show pump on/off schedule if timer dosed
<input type="checkbox"/> Is pump adequate?		<input type="checkbox"/> Risers to surface
		<input type="checkbox"/> Detail of pump control, floats & position of floats adequate
		<input type="checkbox"/> electrical wiring diagram submitted
		<input type="checkbox"/> Effluent filter or pump screen used
		<input type="checkbox"/> If required, anti-siphon devise
Mound System:		ATU's & PBF's:
<u>Layout sketch information:</u>	<u>Cross-section information:</u>	<input type="checkbox"/> Model number & size submitted
<input type="checkbox"/> Overall fill dimensions	<input type="checkbox"/> Settled cap depth at center and edge of bed	<input type="checkbox"/> Location & detail of sampling ports provided
<input type="checkbox"/> Up-slope, down-slope, & end-slope fill width	<input type="checkbox"/> Side-walled slope	<input type="checkbox"/> Electrical wiring diagram submitted
	<input type="checkbox"/> Upslope and downslope bed elevation	<input type="checkbox"/> Disinfection unit adequate
Design Review (circle one):		Not-Approved
<input type="checkbox"/> Approved		
<input type="checkbox"/> Not-Approved		
If not approved, necessary design modifications		
Additional Comments		

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APPROVED DESIGN & PERMIT INFORMATION

Structural type: _____ Number of bedrooms: _____

Type of system: _____

System design: _____

Pump chamber: Yes No

Septic tank size (gallons): _____

Pump chamber capacity (gallon): _____

Design flow (gal/day): _____

Dose volume: _____

Application rate (gal/sq ft/day): _____

Dosing: Timed Demand N/A

Drainfield trench information:

Dose frequency/day _____

Drainfield length (linear feet) _____

Appurtenances _____

Max trench depth (in) _____ trench width (in) _____

Reduction allowed Yes No

Min trench depth (in) _____

Reduced length _____

Absorption bed information:

Absorption bed depth (in) _____

Absorption bed area (sq ft) _____

Absorption bed dimensions _____

Reason for system design**Special permit instructions**