

**SUBSURFACE SEWAGE DISPOSAL
INTENDED USE INSTRUCTIONS**

Applicability

Applicable to all subsurface sewer (septic) system permit applications with proposed establishments or facilities generating wastewater flows other than established residential flows for single family dwellings and mobile homes as described in IDAPA 58.01.03.007.09.

INTENDED USE REQUIREMENTS

Wastewater Characteristics

Commercial/industrial wastewater must meet clarified domestic wastewater characteristics as described in Table 3-1 of the Idaho TGM (see page 3 of this document) prior to discharge to a drainfield. It is the responsibility of the property owner to establish the nature and quantity of the wastewater generated on their property. The property owner or their representative need to submit the estimated flows in writing along with a letter of intended uses. For non-domestic strength wastewater flows, a non-domestic wastewater application checklist available through the Idaho Department of Environmental Quality's website (deq.idaho.gov) or provided by SCPHD shall be submitted with the septic permit application.

Information included in a Letter of Intended Use shall contain the following minimum elements:

- Description of the commercial/industrial processes that are occurring within the facility.
 - Type of business that will be discharging to the septic system and the processes involved in its operation.
 - Maximum number of employees and customers within the facility at any given time, also to include any future expansion estimates.
 - Estimated daily wastewater flow that may be produced by the domestic, commercial, and/or industrial uses occurring within the facility. Estimated maximum daily wastewater flow projections must either be supported by IDAPA 58.01.03.007.09 or follow the guidance regarding empirical wastewater flow data as provided in section 3.3.2 of the Idaho TGM.
- Completed copy of the subsurface sewage disposal permit application for non-domestic wastewater. Characteristics of non-domestic wastewater should be supported with adequate documentation.

Submit application and supporting documents to septic@phd5.id.gov or your local SCPHD office.

Contact our Environmental Health Staff if you have questions or need further information.

TWIN FALLS OFFICE

1020 Washington St. N
Twin Falls ID 83301
(208) 737-5900

BELLEVUE OFFICE

117 E Ash Street
Bellevue ID 83313
(208) 788-4335

HEYBURN OFFICE

485 22nd Street
Heyburn ID 83336
(208) 678-8221

GOODING OFFICE

255 N Canyon Dr.
Gooding ID 83330
(208) 934-4477

JEROME OFFICE

951 E Ave. H
Jerome ID 83338
(208) 324-8838

**SUBSURFACE SEWAGE DISPOSAL
LETTER OF INTENDED USE**

Applicant Name	Parcel #: RP	County
Property Owner Name	Subdivision	Lot Blk Acres
Phone	Subject Property Address	
Email	City/State/Zip	
Mailing Address	Type of facility/establishment:	
City/State/Zip	<input type="checkbox"/> Commercial/Industrial <input type="checkbox"/> Multi-Residential <input type="checkbox"/> Residential <input type="checkbox"/> Other: _____	
People served:	Type of wastewater:	
# of employees: _____	<input type="checkbox"/> Domestic <input type="checkbox"/> Non-domestic	
# of customers: _____	Pre-treatment of wastewater proposed:	
# of residents: _____	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Estimated wastewater flows:	DEQ Non-domestic Wastewater – Permit Application Supplement provided?	
Average daily flow _____(gpd)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Maximum daily flow _____(gpd)		
Will wastewater strength meet or be less than the parameters identified in Table 3-1 of the Idaho TGM? (see page 3)		
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Wastewater characterization report provided?		
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Description of project and intended uses:		
Signature:		Date:
By my signature above, I certify that all answers and statements on this application are true and complete to the best of my knowledge. I understand that should evaluation disclose untruthful or misleading answers, my application may be rejected or my permit canceled. I accept the responsibility to notify the Health District of any changes to the above information if performed prior to completion of the permitted system.		

Idaho TGM Table 3-1

Table 3-1. Constituent mass loadings and concentrations in typical residential wastewater.^a

Constituent	Parameter	
	Mass Loading (grams/person/day)	Concentration (mg/L) ^b
Total solids (TS)	115–200	500–880
Volatile solids	65–85	280–375
Total suspended solids (TSS)	35–75	155–330
Volatile suspended solids	25–60	110–265
Five-day biological oxygen demand (BOD ₅)	35–65	155–286
Chemical oxygen demand (COD)	115–150	500–660
Total nitrogen (TN)	6–17	26–75
Ammonia (NH ₄ ⁺)	1–3	4–13
Nitrite (NO ₂ -N) and nitrate (NO ₃)	<1	<1
Total phosphorus (TP)	1–2	6–12
Fats, oil, and grease	12–18	70–105

Constituent	Parameter	
	Mass Loading (grams/person/day)	Concentration (mg/L) ^b
Surfactants	2–4	9–18
Total coliforms (TC) ^c	—	108–1010
Fecal coliforms (FC) ^c	—	106–108

Source: United States Environmental Protection Agency, *Onsite Wastewater Treatment and Disposal Systems Manual, 2002, (EPA/625R-00-008), Table 3-7, page 3-11.*

a. For typical residential dwellings equipped with standard water-using fixtures and appliances.

b. Milligrams per liter (mg/L); assumed water use of 60 gallons/person/day (227 liters/person/day).

c. Concentrations presented in Most Probable Number (MPN) of organisms per 100 milliliters.