



Onsite Wastewater Treatment System Commercial Installation Permit

Inspection Request Line: (719) 575-8699

Inspection requests must be received prior to 3:00p.m. on standard business days and 1:00p.m. the business day prior to a holiday.
Construction installation requests are only accepted when made by the licensed installer or a homeowner having declared intent and been approved to install their own conventional system.

Permit Information		
Permit #: 137675	Record Id: ON0051640	Issued: July 15, 2025
Expires: July 15, 2026		
System Information		
OWTS Location: 18045 HWY 83, Colorado Springs CO 80908		
Owner: Chris Jeub	Schedule: 6115000009	Permit Type: New
Use: Commercial	Facility Type: Residence/Camping	Design Flow: 1650:450/1200
Distribution: Pressure Distribution	Treatment Level: TL1PD	Water Source: Well
Permit Requirements		
Designer: 3 Rocks Engineering	Document Id: 24.144	Document Date: 5.20.2025
Profile Pit: not taken	Profile Pit: not taken	
Tank: 2000	Add. Tank: 1500	Pump Tank: 500
STA Depth: MAX 48"	STA: 1848 (154 Q4/ 123 Arc 36)	Media: Chamber/Trench
Sand Filter: No	Sand Depth: NA	O&M Required: Yes
Permit Comments		
<ul style="list-style-type: none">- An Engineered OWTS system to be installed on site due to installation of commercial system, requiring a Tier II licensed installer.- TIER II LICENSED INSTALLER MUST BE NAMED AND VERIFIED PRIOR TO FINAL APPROVAL OF SYSTEM.- Biannual wastewater strength testing, including BOD, TSS, FOG, must be submitted to EPCPH as part of operation and maintenance requirement. Should any 2 consecutive submissions exceed TL1 limits an advanced treatment unit will be required to be installed.- Changes to approved design document must be submitted to EPCPH and design engineer prior to installation of changes- All horizontal setbacks must be maintained through system installation. In addition, system must remain completely uncovered, including the tank size, for final inspection.- The well must be installed at time of final inspection, or final approval will not be given until well installation is verified. Must maintain 100' set back to all wells on property or neighboring property.- Engineered systems require the as built drawing and certification letter from the engineer be submitted to Public Health prior to final approval and Regional Building sign off- Ensure that all work is completed prior to contacting and requesting final line for inspection, otherwise additional fees may be incurred.- Installation of an OWTS system utilizing pressure distribution or higher level treatment is subject to the requirements of Operation and Maintenance. This requires the submission of an O&M maintenance contract prior to final approval.- REQUIRED: A residual head (squirt height) test is required prior to final approval. A full OWTS startup inspection must be completed within 60 days of installation approval. See EPCPH OWTS regulations section 8.14 for more details.- REQUIRED: Control panel must be installed a minimum of 36" above grade as measured from grade to top of the panel.		

- During excavation, if bedrock, groundwater, changes in soil type from that previously identified, or other notable soil changes are encountered, all excavation must cease and EPCPH is to be contacted for an evaluation to determine if additional tests are required
- Issuance of this permit allows construction of the system as proposed. It does not imply or guarantee final system installation approval. System design or construction changes may be required based upon changed or newly discovered site conditions.

Review Specialist: Kat McGarvy M.S., R.E.H.S.

Contact: katmcgarvy@elpasoco.com

This permit is issued in accordance with 25-10-106 Colorado Revised Statutes. Permit for construction EXPIRES upon completion/installation of the onsite wastewater treatment system (OWTS), or at the end of twelve (12) months from the date of issuance, whichever occurs first. This permit is revokable if all stated requirements are not met. The OWTS must be installed by an El Paso County licensed system contractor, or property owner.

The health officer shall assume no responsibility in case of failure or inadequacy of an OWTS, beyond consulting in good faith with the property owner or representative. Access to the property shall be authorized at a reasonable time for the purpose of making such inspections as are necessary to determine compliance with the requirements of this law (permit).



Onsite Wastewater Treatment System

Application Review: Commercial

Record ID: ON005640	Permit: New	Approval Date: 6.13.2025	Specialist: Kat McGarvy M.S., R.E.H.S
System Permit Information			
OWTS Address: 10845 Hwy 83, Colorado Springs CO 80908			
Site Evaluation: 10.2024	Use: Commercial	Treatment Level: TL1PD	
DSD: 6.23.2025	Floodplain: No	Outside of FP: NA	
Approved Permitted Design Document			
Soil Report			
Engineer: 3 Rocks Engineering	Report Date: 5.20.2025	Report #: 24.144	
High Rock Content: NA	Type: 2A	LTAR: 0.5	Groundwater: NONE
Bedrock: NONE			
Design Document			
Engineer: 3 Rocks Engineering	Report Date: 5.20.2025	Report #: 24.144	
Commercial Facility Type: Residence/Campground	Design Flow: 1650	Flow Calculated: 3-bed(450gpd)/24 camp sites (50gpd/site)	
Design flows must be from table 6-2, submission of water data for active facility or year of data from 3 similar facility types.			
Minimum OWTS Requirements			
Tank			
Main Tank (gal): 2000	Secondary Tank (gal): 1500	Other Type: NA	Other capacity: NA
Advanced Treatment: NA		Recirculation: NA	
Pump Specifications			
Pump Tank (gal): 500	Pump Model: Orenco PF5005	Dose Type: <input checked="" type="checkbox"/> Demand <input type="checkbox"/> Timed	
Gal/Dose: 100	Flow(gpm): 37.1	TDH: 27.6	
Run Time(min): NA	Off Time(min): NA	Override(min): NA	
Soil Treatment Area			
Distribution: Pressure Distribution			
Add. Component(s)	<input type="checkbox"/> Distribution box <input type="checkbox"/> Diverter Valve <input checked="" type="checkbox"/> ADV <input type="checkbox"/> Other: NA		
<input checked="" type="checkbox"/> Standard	Sq Ft (10-1): 3300	Sq Ft (10-2): 2640	Sq Ft (10-3): 1848
<input type="checkbox"/> Mound	Imported LTAR: NA	Chamber Adj.: NA	Dist. Area: NA
	End Slope: NA	Down Slope: NA	Up slope: NA
<input type="checkbox"/> NDDS	Sq Ft (10-1): NA	NDDS Factor: NA	Sq Ft (NDDS Adj): NA
Media	Type: Chambers	Configuration: Trench	Install Depth: Max 48"
	Q4/Pro36 Cham.: 154	Arc 36 Cham.: 123	Laterals: NA
Laterals	Pipe Diameter: 1.5" sched 40	Orifice Size: 5/32"	Orifice Spacing: 36" OC
Review Notes			
System for 3 bed residence and 24 glamping sites. Each structure must have a cleanout, which should satisfy the cleanout requirement for 100' of effluent piping prior to tank. No ATU designed, OM requirement will be biannual wastewater strength testing to be submitted under OM requirement. Should any 2 tests exceed maximum level for TL1 effluent an ATU will be required. Proposed single comp tanks in series meet minimum requirements			



Prevent • Promote • Protect

Environmental Health
1675 W. Garden of the Gods Rd.,
Suite 2044
Colorado Springs, CO 80907
(719) 578-3199 *phone*
(719) 575-3188 *fax*
www.elpasocountyhealth.org

ON-SITE WASTEWATER TREATMENT SYSTEM PERMIT APPLICATION

PROPERTY INFORMATION

Applicant Name	Chris Jeub		
Property Address	18045 Hwy 83	City, State, Zip	Colorado Springs, CO 80908
Phone	(719) 660-5781	Email	chrisjeub@gmail.com
Legal Description	S 200 FT OF SE4NW4 SEC 15-11-66 EX .05 A TO HWY		
Tax Schedule #	6100000112	Lot Size	5.95 Acres
Is the property gated?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Code:	Water Supply	<input checked="" type="checkbox"/> Well <input type="checkbox"/> Cistern <input type="checkbox"/> Municipal
Proposed Use:	<input type="checkbox"/> Residential <input type="checkbox"/> Multifamily <input checked="" type="checkbox"/> Commercial		Potential Number of Bedrooms:

OWNER INFORMATION

Name	CHRIS JEUB	Phone	(719) 660-5781
Mailing Address	16315 Rickenbacker Ave	City, State, Zip	Monument
Email	chrisjeub@gmail.com		
General Contractor	Ardent Engineering, Ltd	Phone/Email	(719) 331-3528 /brian@ardent-eng.com
System Installer	David Nicolalde	Phone/Email	(850) 399-0620/
All engineered-design systems <i>must</i> be installed by a Tier II licensed installer.			

PERMIT FEES AS ESTABLISHED BY EL PASO COUNTY BOARD OF HEALTH

<input checked="" type="checkbox"/> New Permit	\$750.00 (EPCPH Charge) + \$147.00 (EPC Planning Dept. Surcharge) + \$23.00 (CDPHE Surcharge) = \$920.00
Permit fee includes: Application design review, site evaluation, and 1 final inspection. Additional inspections incur additional fees	
<input type="checkbox"/> Modification Permit	\$675.00 (EPCPH Charge) + \$23.00 (CDPHE Surcharge) = \$698.00
Permit fee includes: Application design review, site evaluation, and 1 final inspection. Additional inspections incur additional fees	
<input type="checkbox"/> Major Repair Permit	\$535.00 (EPCPH Charge) + \$23.00 (CDPHE Surcharge) = \$558.00
Permit fee includes: Application design review, site evaluation, and 1 final inspection. Additional inspections incur additional fees	
<input type="checkbox"/> Minor Repair Permit	\$245.00 (EPCPH Charge) + \$23.00 (CDPHE Surcharge) = \$268.00
Permit fee includes: Application review, 1 final inspection. Additional inspections incur additional fees	
All Payments are due at the time of application submittal; by check or major credit card (Visa / MC) Permits expire one year from the date of issuance, unless otherwise noted.	

REQUIRED: ADDITIONAL PROPERTY INFORMATION

System Type	<input checked="" type="checkbox"/> Engineered Design <input type="checkbox"/> Conventional Design	Number of Structure(s) to be connected:	12
Written Scope of Work: See attachments.			
Please provide directions to the property from a main highway: Take Hwy 83 north from Colorado Springs and turn right (EAST) into the driveway.			
<ul style="list-style-type: none">• Property address or lot number must be clearly marked and visible from the road• Profile excavation test pit and/or soil profile holes must be clearly marked• Proposed and alternate soil treatment areas must be protected from compaction and disturbance• Locked gates require the gate code or lock combination be provided on front of application <p><i>Failure to comply with the above information may result in an additional charge for a return trip.</i></p>			

COMPLETE APPLICATION INCLUDES**EPCPH will only accept submissions when all required components are included in submission.**

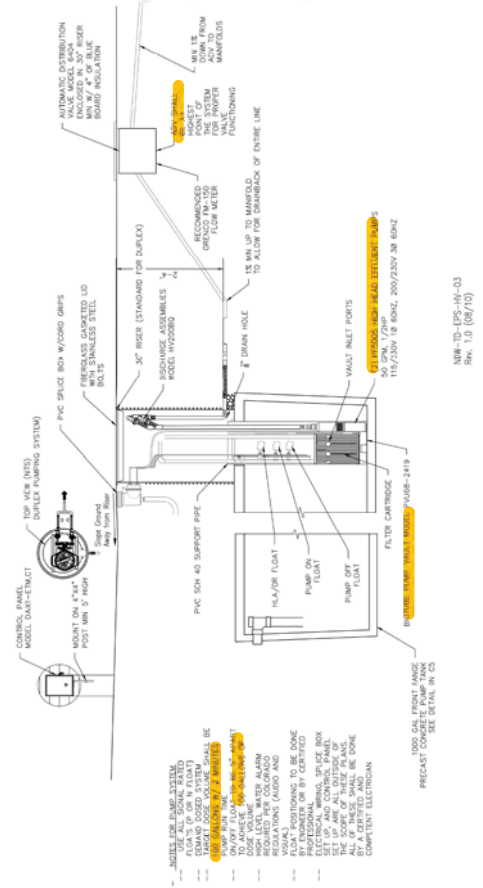
<input type="checkbox"/> Colorado Professional Engineer (P.E.) stamped soils report
Soils report: including at least 2 soil profile excavation pits, in accordance with section 8.5 A-F of OWTS regulations
<input type="checkbox"/> Calculation/Design Worksheet
<input type="checkbox"/> Clear legible 8.5'x11' Design Document
Design document must include proposed and alternate locations, profile pit locations with respect to system layout, all setbacks to pertinent structures and features in table 7-1.

I certify that the information provided on this application is in compliance with the Chapter 8 Onsite Wastewater System (OWS) Regulations of the El Paso County Board of Health. I also authorize the assigned representative of El Paso County Public Health to enter onto this property in order to obtain information necessary for the issuance of a permit.

Applicant Signature: Chris Jeub Date: 05/04/2023



14 PUMP TANK SECTION VIEW-DEMAND DOSED SYSTEM
NTS

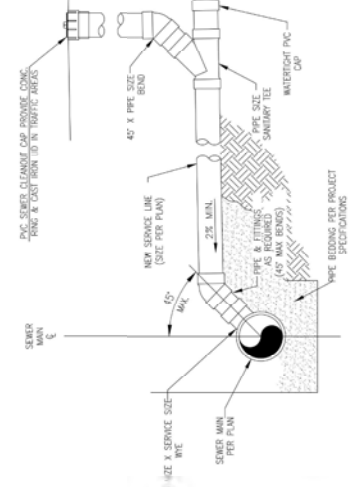


1000 GAL. FRONT RANGE
SEE DETAIL IN C3

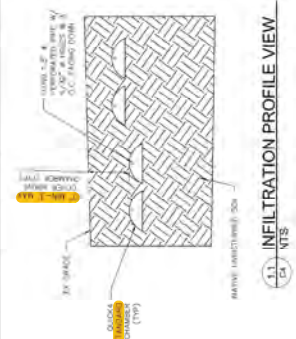
PVC SERVICE CLEANOUT CAP PROTRUSING ABOVE GRADE
PUMP & CONTROL PANEL TO BE IN UNPAVED AREAS

115/230V 1.8 60HZ 200/230V 30 60HZ

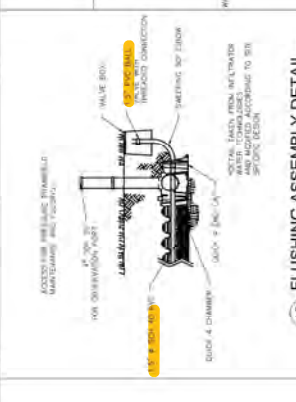
©2021 Orenco Systems, Inc.
NW-TD-EPS-HV-03
Rev. 1.0 (08/10)



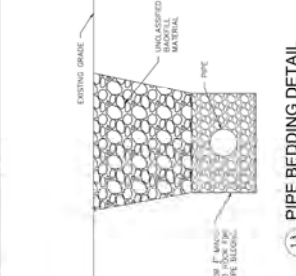
3 SEWER SERVICE TAP
DETAIL



11 INFILTRATION PROFILE VIEW
NTS



12 FLUSHING ASSEMBLY DETAIL
NOT TO SCALE



13 PIPE BEDDING DETAIL
NTS

