

PAWSD Permit # \_\_\_\_\_

Acct # \_\_\_\_\_ Location # \_\_\_\_\_

**2011**

**PAGOSA AREA WATER & SANITATION DISTRICT**  
**WATER/WASTEWATER CONNECTION REQUEST PERMIT**

100 Lyn Avenue / PO Box 4610  
Pagosa Springs CO 81157  
Web Page: [www.pawsd.org](http://www.pawsd.org)

(970) 731-2691 Ext: 121  
FAX (970) 731-2693  
Contact: [chris@pawsd.org](mailto:chris@pawsd.org)

Date: \_\_\_\_\_

District #: \_\_\_\_\_ EU #: \_\_\_\_\_

Work Order #: \_\_\_\_\_

Type #: \_\_\_\_\_ Water: \_\_\_\_\_

Inspection Date: \_\_\_\_\_

Category: \_\_\_\_\_ Drght: \_\_\_\_\_

Approved: Yes \_\_\_\_\_ No \_\_\_\_\_ Added to Statement: \_\_\_\_\_

Class: \_\_\_\_\_ W/W: \_\_\_\_\_

**This Portion to be Completed by Owner or Agent**  
**Water Meter Sizing Worksheet Must Accompany Request**

Name of property owner: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Mailing Address

City / State / Zip Code

Phone # (Home): \_\_\_\_\_ (Work): \_\_\_\_\_ (Cell): \_\_\_\_\_

E-mail Address: \_\_\_\_\_

Location of property

Street address: \_\_\_\_\_

Subdivision: \_\_\_\_\_ block: \_\_\_\_\_ lot: \_\_\_\_\_

General contractor: \_\_\_\_\_ Phone number: \_\_\_\_\_

Excavator: \_\_\_\_\_ Phone number: \_\_\_\_\_

**Type:**

Domestic Tap: \_\_\_\_\_ Combined Domestic & Fire Suppression Tap: \_\_\_\_\_

Commercial: \_\_\_\_\_ Single Family: \_\_\_\_\_ Multi-Family: \_\_\_\_\_ Irrigation/Barn/Other: \_\_\_\_\_

Bldg Permit #: \_\_\_\_\_ # of Bathrooms: \_\_\_\_\_ Bldg Permit Attached: \_\_\_\_\_

**NOTE:** If a change in fixture count or a change-in-use is anticipated, a "beginning" and a "full build-out" fixture count are required. The owner is responsible to provide any changes to the District and for any/all additional costs/fees.

**Sump Pump:** It is illegal to discharge sump pump(s) into the District's sewer system.

**Reduced Pressure Zone Back Flow Prevention Devices:** Is required on *all non-residential accounts*, as well as *all lawn sprinkling systems*. See page 4 for additional information.

**Backfill \$500 Assessment:** Owner's account shall be billed if meter pit backfill is NOT completed according to the District's Backfill Policy. See page 3 for details.

**Connection Refund:** Any portion of the physical connection NOT completed by the conclusion (typically Oct 31<sup>st</sup>) of this year's District connection season shall be refunded. When service is requested, a current Connection Request Permit must be completed and all applicable fees paid.

I/we agree to comply with the terms of the Pagosa Area Water & Sanitation District Water / Wastewater Connection Permit Request form, and acknowledge any change in fixture count or change-in-use may require an increase or decrease in meter size and corresponding fee(s) assessment. Connections and accounts are subject to the PAWSD Rules & Regulations.

Property Owner or Agent Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Connection: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
Time Day Date Meter Size Fixture Count

## 2011 Connection Fee Information

The Water Meter Sizing Worksheet calculates the Fixture Count, which ultimately determines the Connection Fee assessments and the monthly service statement billing.

For example, a house with 4 bathtubs-sinks-toilets, 1 shower-washing machine-kitchen sink, and 2 hose bibs has a Fixture Count of 29.5 or 1 Equivalent Unit (E.U.).

PAWSD Wastewater service is not available in all areas.

<u>Fixture Count</u>	<u>Meter Size</u>	<u>Water Connection</u>	<u>E.U. Assessment</u>
0 – 30	1"	\$1,440	1.0
30.5 – 52	1"	\$1,440	1.5
52.5 – 127	1"	\$1,440	2.5
128 – 375	*1.5"	\$3,540	5.0
376 – 700	*2"	\$3,960	8.0

Wastewater Gravity Connection: \$430

Water Capital Investment Fee per EU: \$2,658

Wastewater Capital Investment Fee per EU: \$1,017

Raw Water Acquisition Fee per EU: \$1,959

\*Water Connection Fee is approximate & connection may be subject to Modeling Data Fees.

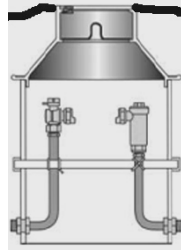
**THE FOLLOWING IS THE RESPONSIBILITY OF THE PROPERTY OWNER AND MUST  
BE MET BY THE CONNECTION TIME AT THE PROPERTY SITE  
OR CANCELLATION MAY OCCUR  
RESULTING IN A \$100.00 CANCELLATION-NO SHOW FEE**

- **Backhoe & Operator:** Minimum size of backhoe or equivalent to 580 with rubber tire & 24" bucket. District strongly urges the operator have a "spotter."
- **Property pins:** Located to determine utility easement.
- **Utilities:** All other utilities must be marked. District will locate its lines on day of connection.
- **Bedding Material:** District requires minimum bedding of 4" below and 12" above pipe with debris free fill. See City/County Specs for other requirements.
- **Barricades & Signs:** See City/County Specs for requirements.
- **Cancellation Policy:** District contacted minimum of 30 minutes prior to connection time.

## Additional Information

1. **METER PIT BACKFILL:** Backfill **10 ft radius** around & to **top of cast iron lid** of new, or existing meter pit, **within 48 hours** (same day if temperature is freezing). **Failure will result in \$500 assessment to Property Owner.** Additionally, any additional damages/repairs caused by improper backfilling will be assessed to property owner.

**BACKFILL TO VERY TOP OF THE CAST IRON LID LOCATED ON TOP OF THE DOME  
TO PREVENT METER FROM FREEZING DURING WINTER MONTHS!**



2. **WATER FITTINGS:** Property owner is responsible to provide fitting between meter pit and their pipe (male iron pipe thread coming out of pit, **property owner needs female iron pipe thread**).
3. **WASTEWATER:** Minimum fall for 4" pipe is 6" every 100 ft.
4. **HIGH PRESSURE WASTEWATER LINE:** Properties provided with this service may require an Environmental One lift station, lateral kit and valve box. District installs lateral & valve box at time of wastewater connection. Property owner may install lift station at later date.
5. **EXCAVATION: Trench safety is at District discretion.** Property owner responsible for all excavation (blasting, trenching, backfill, compaction, & ground water pumping) beginning at & including exposing main line under District supervision. District does not guarantee location of main or lateral line(s). Beyond property line, property owner is responsible for all materials & excavation.
6. **PRE-EXCAVATION:** District is not responsible for misalignment, should excavation occur prior to connection (particularly applicable to wastewater lines).
7. **PRE-INSTALLED LATERALS:** Unless unusual circumstances prevail, laterals will be utilized.
8. **TRENCH SHARING:** Permitted 5 ft beyond property line, with a suggested 2 ft horizontal separation. Colorado law requires a minimum 10 ft horizontal separation between water & wastewater lines.
9. **FROST LINE:** To prevent freezing of water and/or hi-pressure wastewater lines, lines should be located minimum depth of 4 ft.
10. **UTILITY EASEMENT:** When landscaping in & around utility easements, use common sense. In event of leak or other repair, area is at the mercy of repair equipment.
11. **WATER PRESSURE:** Is property owner's responsibility and expense to reduce / increase water pressure past water meter pit.
12. **UNAUTHORIZED CONNECTION:** No excavation of or connection to District water and/or wastewater line(s) shall be made without permission and supervision by District personnel. To do otherwise, could constitute property owner liability for all repairs and applicable fines.
13. **CAPITAL INVESTMENT FEE/RAW WATER ACQUISITION FEE:** Property owner's responsibility to notify the District of change in water fixture count or change-in-use.
14. **BILLING:** After connection is completed, availability fee ceases and monthly service assessment begins. Unpaid availability balances are reflected on service statements.

## Cross-Connection Control Program

In order to ensure safe drinking water, Federal and State legislation have sanctioned water authorities, such as PAWSD, with the responsibility & authority to implement & maintain a Cross-Connection Control Program. Additionally, water authorities will specify, inspect, & receive documentation on all backflow prevention devices. PAWSD has determined a ***REDUCED PRESSURE ZONE Backflow Prevention Device (BPD)*** will be required for all non-residential service connections, existing and future.

### General Information:

- All costs for design, installation, maintenance, repair, & testing of the BPD are to be borne by the property owner.
- In NO case will it be permissible to have connections between the meter & the BPD, without District pre-notification, approval, and inspection.
- Testing will be done to insure proper operation of the BPD.
  - It will be the responsibility of the property owner to have certified tests made.
  - Each test will be performed by a Certified Technician approved by the Colorado Department of Public Health & Environment & PAWSD.
  - It will be tested at the time of installation & on an annual basis thereafter.
  - Each test will be conducted in accordance with ASSE and/or USC-CCC & HR Performance Standards & Field Test Procedures, as directed by the Colorado Department of Public Health & Environment.
- Records of all tests, repairs, or replacement shall be kept by both property owner & PAWSD.
- As necessary, whenever the BPD is found to be defective, it will be the property owner's responsibility to repair or replace the device.
- Discontinuance of water service may occur when:
  - Property owner fails to cooperate in the installation, maintenance, testing, or inspection of the BPD.
  - An unprotected Cross-Connection exists.
  - Any BPD is found to be defective, removed, or bypassed.

### Installation Information:

- Before installing the BPD, pipelines should be thoroughly flushed to remove foreign material, as this may cause the BPD to malfunction.
- The BPD will be installed:
  - By a Colorado Licensed Plumber.
  - Immediately upon service line entry to the building, upstream of any other connection to the service line.
  - In an accessible location to facilitate maintenance, testing, and repair. Where building security is required, it should be located in an area not subject to security.
  - At least twelve (12) inches above the finish grade to allow clearance for the repair work.
  - A concrete slab at finish grade is recommended.
  - Proper drainage should be provided for the relief valve. Drainage may be piped away from the location if drainpipe is readily visible from above grade & the relief valve is separated from the drain line by a minimum of double the diameter of the supply line.
  - Be installed in the horizontal position. Vertical installation shall only be acceptable when a Watts 909 RPZ BPD is installed.
- The BPD valves are not to be used as the inlet or outlet valve of the water meter. Test cocks shall not be used as supply connections.
- The single check valve is NOT considered a BPD.
- The District will require inspection of all containment BPD installations.
- A pressure vacuum breaker shall be used where the assembly will never be subjected to backpressure & shall be installed a minimum of twelve (12) inches above the highest piping or outlet downstream of the assembly in a manner to preclude backpressure.

- An atmospheric vacuum breaker shall be used only where the assembly is:
  - Installed as an isolation assembly.
  - Never subjected to continuous pressure (more than 12 hrs continuous).
  - Installed with the air inlet in a level position & a minimum of six (6) inches above the highest piping or outlet it is protecting.
- The District retains the right to test or otherwise check the installation and operation of any containment assembly at anytime to assure proper operation.

**Other Information:**

- Representatives of the District will carry proper credentials as means of identification.
- By pre-arranged appointment, District personnel can inspect the building & premises for cross-connections relative to possible hazards.