



**DROUGHT RELIEF  
GRANT APPLICATION**

Department of Ecology

AUG 31 2015

Ecology Use Only

Water Resources Program

Application Number			
D2015	26	-	ERO
Date			

The information provided in this application will be used to determine general eligibility for funding from the Drought Relief Program, and the priority or ranking of the proposal amongst other competing proposals.

Separate application must be made for any needed emergency drought authorization. Before final approval of grant funding, the applicant must submit copies of all required permits and other authorizations needed for the proposal to Ecology for our review.

<b>1. Applicant Name(Public Body):</b> Whitworth Water District #2			
Address: 10828 N Waikiki	City: Spokane	State: WA	Zip: 99218
(a) Authority (State Law): 57.04 RCW			
(b) Date Organized: 1939			

<b>2. Contact Person:</b> Susan McGeorge		Title: Manager	
Address: 10828 N Waikiki	City: Spokane	State: WA	Zip: 99218
Email: susan@whitworthwater.com		Phone #: 509-466-0550	

<p><b>3. PROJECT(S) DESCRIPTION</b></p> <p>Provide a description of the proposed project(s) and a detailed scope of work. Attach additional sheet(s) if necessary. Attach a map (U.S.G.S. Quad or comparable) showing the geographic location of the proposed project(s).</p> <p>We need to move our existing water fill station that is located in a congested area to a location that will allow for easy ingress and egress points to the station. Moving the fill station at a new location will require the construction of a secure 10'x12'x8' tall CMU building with a metal door and includes installation of both electrical and piping components, footings, floor drain and concrete flooring. Piping for the building will require two 2" gate valves, a saddle, 100' of 4" Class C 900 PVC along with a variety of appurtenances and a 4" backflow preventer. Electrical work entails installation of a 120 volt control panel and a 100 amp breaker as well as a new electric service (pad, transformer and pole) for the site. A self-contained fill station card lock dispensing unit and fill boom that allows for bottom and top vehicle fill will be assembled in and attached to a portion of the building's interior walls.</p> <p>The building will also need an excavated 12' deep dry well area that is surrounded by a second hole filled with fabric and drain rock for the floor drain in order to contain the water that drains back from either the bottom fill port or the overhead fill boom. A wide, circular, one-way, asphalt driveway will also be constructed.</p> <p>Because this is commercial structure, County Building and Planning will need to review engineered drawings and specifications and site plan for the building and boom and some permits will also be necessary.</p>
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#### 4. DESCRIPTION OF NEED

Describe what would occur without the benefit of the proposed project(s), including: the nature of the actual hardship, both short-term and long-term impacts, the expected loss of normal water supply by percentage, and the estimated potential financial losses. Explain why these circumstances constitute a water supply emergency resulting from natural-caused drought conditions, rather than a pre-existing condition during a normal water year.

Many property owners in north Spokane County get their water from exempt wells. The area is also known for having low production exempt wells that may go dry at times during the summer. For many years Whitworth Water has provided water to these rural property owners from a drive-in water fill station at one of our wells. Water was usually transported from the station back to their home in 500 a gallon tank carried in the bed of a pickup. The fill station well is located between two businesses and is accessed through a narrow driveway with no turn around. As a result, when a water tank was full, the vehicle's driver backed out and carefully turned back and forth a number of times in order to face and return the roadway.

Now we come to 2015 and a drought that started in the fall of 2014. Because of the drought the number of rural homeowners needing to haul water has increased (usually ten, now up to 25 and more added weekly) and those that were filling more intermittently are now using the facility regularly. As a result, we now have 25 pickups and pickups with utility trailers with two or three 500 gallon tanks on it, not just one, trying to maneuver longer, wider vehicles into the same fill station space. The narrow driveway has become increasingly more congested, difficult and dangerous to access or leave. A driver must now back into the private driveway areas of the two neighboring businesses, blocking their customer's entrance and exit points as well and angering the business owners along with it. The two owners of the abutting businesses, in turn, have blocked off their driveway points closest to the driveway to the well to prevent this. As a result, the fill station vehicles no longer have a way to turn around because of this. The only alternative that fill station drivers have is to back directly onto a five lane, high speed State highway with the utility trailer and truck. Not a good situation under the best of conditions.

When Whitworth Water became aware of what was occurring we began to see if we could put in a stand-alone fill station at another location and determined that we could. We immediately began to install a very temporary fill station about two miles north of the existing one that should be completed this week and we started getting information together on what is needed for a permanent station and the cost for it. We must construct a permanent fill station at the new site no matter what. A fill station needs to be able to provide security and protection for our water that is being drawn out and it must be "climatized" to withstand both the extreme cold

winter and hot summer weather times in Spokane. The temporary station cannot do either of these. The site, of course, must also provide for easy, safe ingress and egress for the property owners who use it.

When the two business owners cut off the ability of drivers to back into their driveways, they have made it almost impossible for these people to get domestic water for their homes and livestock. They can drink bottled water but bottled water does not work for watering the farm livestock, bathing, filling toilets, washing hair and clothes, cooking needs etc. Having a dry well is a very real health and safety water emergency for the people without water that is made more difficult if they cannot find a safe place to fill up from a reliable water source. Every aspect of their life is adversely affected. They cannot even continue to live in their home without some on-going dependable source of water for their domestic use.

## **5. EXPECTED OUTCOME(S)**

Describe how the projects would reduce or avoid harm or hardships and any measures planned to assure the capability and reliability of the proposed project(s) to provide an emergency water supply to the applicant.

Simply put, the construction of a permanent water fill station at the new site will enable us to continue to provide a reliable water source year round to the people without water in rural north Spokane County whether they are a user in times of drought or one needing the facility on a long-term basis. It will provide a safe location and way to withdraw the water that is separated from the State highway that is not blocked by bordering business owners even as the numbers of users grows during this time of drought. The new location will have room for a vehicle waiting lane that is not on the State highway as well.

## **6. WATER SHORTAGE RESPONSE ACTIONS ALREADY TAKEN**

Describe the measures taken by the applicant to plan for or mitigate the effects of drought (e.g., conservation, irrigation efficiency measures, leakage, elimination of non-essential uses).

We have been providing water to an increasing number of rural homeowners on exempt wells that have dried up at a Whitworth Water fill station on State Highway 2, which was suitable until the numbers of users increased this year. In order to alleviate the congestion problems at that location, we have begun construction of a temporary fill station to the north that will provide these people with both a reliable water source and a safe fill point. However, this temporary structure cannot be utilized during the cold winter and hot summer weather nor does it provide the security we need for a water facility. Because a year round, permanent structure must be built in order to meet the needs of these rural homeowners and our needs for a safe and secure location, we have also been working on a plan to build a permanent fill station structure at the same location. This has to be done quickly with or without assistance from the drought grant funding.

Whitworth Water has had an ongoing program for many years that deals with water conservation and includes additional emphasis to our customers on using water wisely during this time. We have a very active leak detection program with a resultant low leak loss (.22% in 2014), conservation rate structure, monthly meter reading and billing, notes on our billing statement requesting use of less water, numerous educational mailings,

newsletter articles on water use, billboard/television messages on water conservation and assistance to customers in quickly locating and fixing private property leaks. Our conservation program is not just drought related but designed to encourage a new way of looking at water use and the elimination of non-essential uses every day (water off while brushing teeth, shorter showers, low flow toilets, showerheads, clothes washers, rain/moisture sensors on sprinklers, District supplied timers on hose bibs if no sprinkler system).

## **7. WATER RIGHTS**

- (a) Describe whether you have or will be submitting an application for an emergency drought authorization and or have other pending water right applications

We will not be submitting an application for emergency water right authorization. We do have pending applications that go back in time for transferring water rights from one well to another.

- (b) List the applicant's legal water rights to divert or withdraw water for use on land within the applicant's legal boundaries, and attach copies.

The point of withdrawal for the current Kellogg Well fill station and the new permanent water fill station is the same. The new fill station is approximately one mile due north of the Kellogg Well.

## **8. INTERGOVERNMENTAL COORDINATION**

Provide a summary of how the applicant has and/or will consult with affected agencies and/or Indian Tribes prior to and during implementation of the proposed project(s). Include a list of the affected agencies and Indian Tribes and a summary of impacts/approvals if known. (Attach an additional sheet if necessary.)

There should not be a need to consult with Indian Tribes when we install the permanent fill station which will be a fixed structure facility near an already existing 12" and 16" mains. Site excavation for the facility will be minimal because of the small size of the building with most of the work on the fill station revolving around the components needed inside the building itself or outside as attachments to the building structure. Above ground grading for a circular driveway will also be necessary. If it is determined contact with a Tribe is necessary, I will follow State guidelines required for completing this.

Some engineering will be needed for a site plan and the fill station overhead structure (boom) and in order to meet other Spokane County Building and Planning requirements. A building permit will also be needed prior to installation of the station. We do not anticipate any delays in receiving Spokane County approval for this project.

**9. PROJECT(S) SCHEDULE/DURATION**

(a) When do you expect to have all the required permitting, approvals, and funding?

The District has funding in place for the construction of this fill station at this time. Required permitting and approvals should take about four weeks, and it is our intent to begin this process as soon as the engineering for the station is complete.

(b) Approximately how long will the proposed project(s) take to complete?

One month

(c) Expected project(s) schedule, including start date, completion date, and significant intermediary steps:

August 31, 2015	Engineering Phase; consult with Tribe (if any), if necessary.
October 5, 2015	Permitting process
October 26, 2015	Begin fill station construction

**10. PROJECT COMPONENTS**

Check appropriate box or boxes and complete estimated cost for proposed activities under this grant.

- (a)  Engineering design and report \$ 2000.
- (b)  Project(s) plans and specifications \$ 6500.
- (c)  Purchase of land, rights-of-way, easements \$ \_\_\_\_\_
- (d)  Construction \$ 101,100.
- (e)  Construction engineering \$ 1000.
- (f)  Education and outreach \$ \_\_\_\_\_
- (g) Other Building Permit \$ 2500.

11. FUND SOURCES	Estimated total project cost		Estimated eligible project cost	
(a) Total estimated project(s) cost	100 %	\$ 113,100	100 %	\$ 113,000
(b) Total estimated eligible project(s) cost	%	\$ 113,000	100 %	\$ 113,000
(c) Ecology grant share	%	\$	50 %	\$ 56,550
(d) Match fund source(s): (specify)	%	\$	50 %	\$ 56,550
(e) Whitworth Water Construction Reserve	%	\$	%	\$
(f)	%	\$	%	\$
(g)	%	\$	%	\$

Applicant may be exempt under WAC 173-167-040(3) from the fund match requirement

**12. CERTIFICATION**

I certify to the best of my knowledge that the information in this application is true, complete, and correct and that I am legally authorized to sign and submit this information on behalf of the applicant.

Susan McGeorge  
PRINT NAME

  
SIGNATURE

Manager  
TITLE

August 26, 2015  
DATE

**13. Send original, including attached sheets, maps, copies of water rights, and other supporting documents, to:**

**Department of Ecology  
Water Resources Program  
PO Box 47600  
Olympia, WA 98504-7600  
ATTN: Rebecca Inman**

Whitworth Water District No. 2  
10828 Waikiki Road  
Spokane, WA 99218



**DOCUMENT TITLE:** SUPERSEDING CERTIFICATE OF WATER RIGHT

**REFERENCE NUMBER:** G3-26203

**GRANTOR**

STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY  
ECOLOGY EASTERN REGIONAL OFFICE  
4601 N MONROE STREET  
SPOKANE, WASHINGTON 99205-1295  
(509) 329-3401

**GRANTEE**

Whitworth Water District No. 2  
10828 Waikiki Road  
Spokane, WA 99218

**Source Name**

Six wells

**Source Locations - Little Spokane River Water System**

Source Name	Parcel #	Well Tag	Twp	Rng	Sec	QQ
Well 8	37331.9182	AGC028	27 N.	43 E.	33	SW $\frac{1}{4}$ NE $\frac{1}{4}$
Well 8A1	37324.1801	AHC773	27 N.	43 E.	32	NE $\frac{1}{4}$ SE $\frac{1}{4}$
Well 8A2	37324.1801	BCE957	27 N.	43 E.	32	NE $\frac{1}{4}$ SE $\frac{1}{4}$
Well 8B	37333.9135	ABR181	27 N.	43 E.	33	NW $\frac{1}{4}$ SW $\frac{1}{4}$
Well 8C	37325.9078	AGC073	27 N.	43 E.	32	SE $\frac{1}{4}$ NE $\frac{1}{4}$
Well 9 Kellogg Well	37341.0173	AHC777	27 N.	43 E.	34	SE $\frac{1}{4}$ NE $\frac{1}{4}$

R. E. Excise Tax Exempt

Date 11-13 2014

Spokane County Treas.

By CLR

