Public Health Division

Center for Health Protection, Drinking Water Services



Tina Kotek, Governor

March 20, 2025

Richard Sparks, P.E.

<u>Richard.sparks@usda.gov</u>

Forest Service – Columbia River Gorge NSA
902 Wasco Ave., Suite 200
Hood River, OR 97031

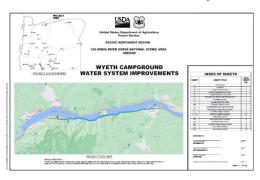
Re: Residual Maintenance (PR#38-2023)

USFS Wyeth Campground (PWS ID# 41-94014)

Final Approval

Dear Mr. Sparks:

Letter sent via email only



On February 25, 2025 I received an email from Benjamin Moeller requesting Final Approval for residual maintenance for the <u>USFS Wyeth Campground (94014)</u>. The email included asbuilts, operating procedures, post-construction photos, and a completed Project Final Approval Request form needed to verify that the project was completed in accordance with conditions in my Conditional Approval letter dated March 30, 2023, completing our plan review process. The residual disinfection system is granted **Final Approval** and may be placed into use.

The original submittal received March 29, 2023 included plans and specifications for the project and a plan review fee of \$248. A Conditional Approval letter dated March 30, 2023 was issued for the project, assigned plan review #38-2023. The project consisted of expanding the existing pumphouse to accommodate a chlorination system capable of providing a free chlorine disinfectant residual. Residual maintenance was required under a Bilateral Compliance Agreement (BCA) due to persistent total coliform positive test results in the well (SRC-BA) and the distribution system.

Please keep in mind:

1. The chlorine solution tank is not certified to ANSI/NSF Standard 61 (NSF-61) as indicated by the specification sheet provided by Furrow Pump. After having contacted Furrow Pump and the tank manufacturer (Ronco Plastics, Inc.), I found out that although these tanks are not certified to NSF-61, they are manufactured by Ronco Plastics using NSF-61 Microthene MP643962 resin (polyethylene). Since the tank is already in installed and would provide incidental contact in relation to the rest of the water system, the tank may remain in use. Enclosed is some of the correspondence and documentation regarding the chlorine solution tank for your records.

- 2. The free chlorine residual must be detectable throughout the distribution system and cannot exceed 4.0 mg/l. A slightly higher dose may be needed due to naturally occurring ammonia at 1.3 mg/l. The following free chlorine residual targets seem reasonable.
 - Free Chlorine Residual Target at entry point: 0.60 0.80 ppm
 - Free Chlorine Residual Target at far end of the distribution system: 0.20 0.80 ppm (ideally 0.50 ppm)
- 3. The DPD test kit (LaMotte DC1500 Colorimeter) will be needed to measure free chlorine residual at least twice a week in the distribution system, which should be incorporated into standard operating procedures.
- 4. The chlorine residual will need to be measured any time coliform samples are taken. The measured residual should be written on the lab reporting form.
- 5. An annual source assessment sample will need to be taken from the wellhead, prior to treatment. This sample should be marked as having been taken from the well (SRC-BA), representative of untreated water, and marked as an "Assessment" sample on the lab reporting form.

The remainder of this letter includes a project description. If you have any questions, please feel free to email me at evan.e.hofeld@oha.oregon.gov or call me at 971-200-0288. Thank you for your cooperation in completing this plan review process – your efforts are greatly appreciated!

Sincerely,

Evan Hofeld, PE Regional Engineer

Empfel

OHA - Drinking Water Services

cc: Donna Mickley, Forest Supervisor, donna.mickley@usda.gov USDA USFS - Columbia River Gorge National Scenic Area

Ben Moeller, Project Engineer, Benjamin.Moeller@usda.gov

USDA USFS - Mt Hood National Forest

Andrew Howard, Maintenance Mechanic, andrew.howard@usda.gov

USDA USFS – Columbia River Gorge National Scenic Area

Ian Stromguist, REHS, ian.stromguist@hoodrivercounty.gov

Environmental Health Response Coordinator - Hood River County Public Health

Josh Seerup, Drinking Water Specialist, Josh.Seerup@oha.oregon.gov

Oregon Health Authority - Drinking Water Services

Encl: Project Description

Project Description

The original submittal received March 29, 2023 included plans and specifications for the project and a plan review fee of \$248. A Conditional Approval letter dated March 30, 2023 was issued for the project, assigned plan review #38-2023. Final Approval was granted March 20, 2025.

The project consisted of expanding the existing pumphouse to accommodate a chlorination system to provide a disinfectant residual (SDWIS Treatment Code X421). This disinfectant residual maintenance system is to provide a free chlorine residual throughout the distribution system as required under a <u>Bilateral Compliance Agreement (BCA)</u> due to persistent total coliform positive results in the distribution system and in the well (SRC-BA – Well <u>L97094</u>).

The treatment system included expanding the existing well house to accommodate:

- One Ronco Plastics, Inc. polyethylene chlorine solution tank (manufactured using NSF-61 Microthene MP643962 resin),
- One Roytronic Excel[™] Series AD electronic metering pump (model #AD251-930SI)
- HASA Multi-Chlor 12.5% liquid sodium hypochlorite, and
- A low chlorine tank level alarm, LaMotte DC1500 colorimeter, and other controls and appurtenances to maintain the following free chlorine residual targets:
 - Free Chlorine Residual Target at entry point: 0.60 0.80 ppm
 - Free Chlorine Residual Target at far end of the distribution system: 0.20 0.80 ppm (ideally 0.50 ppm)

Note: A slightly higher dose may be needed due to naturally occurring ammonia in the well measured at 1.3 mg/l.

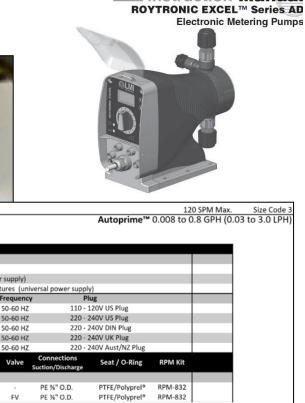
The new system utilizes a pre-existing 119-gallon Challenger Model #366 pressure tank.



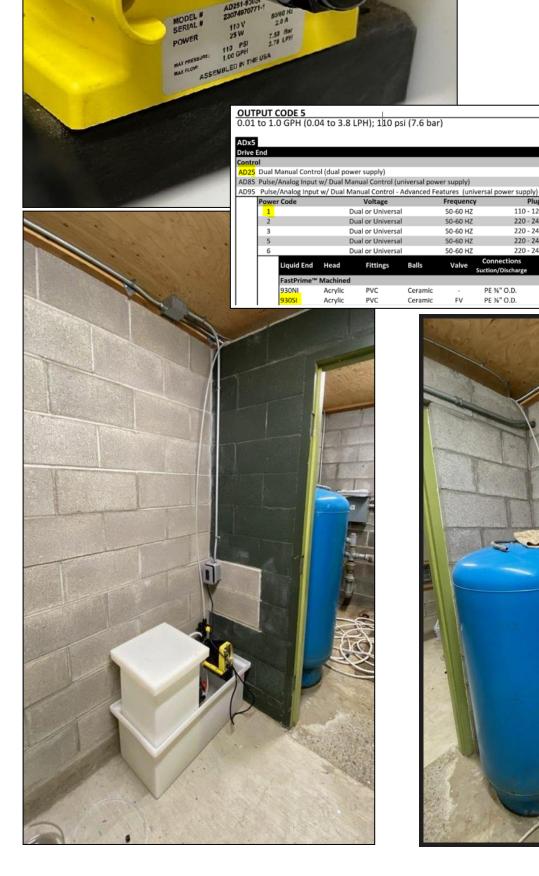




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Instruction Manual





Balls

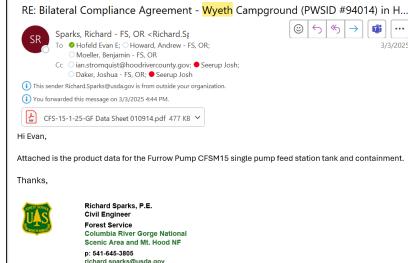
Ceramic

Ceramic

FV

CFS-15-1-25-GF Data Sheet 010914.pdf





Hofeld Evan E

Monday, March 3, 2025 4:45 PM Sent: info@roncoplastics.com

NSF-61 certification question on Ronco chemical solution tank CFS-15-1-25-GF Data Sheet 010914.pdf

Attachments:

Hi there.

I was provided the attached product spec sheet for a chemical feed tank that was installed for a public water system and was told by Furrow Pump that Ronco is the supplier of these

Do you have documentation demonstrating they are currently certified to ANSI/NSF Standard

NSF, Underwriters Laboratories (UL), and Water Quality Alliance (WQA) all can certify products to NSF-61, but these tanks do not have any marking on them to show this. Here is the photo of the tank model # CFSM 15 that was installed.



Regional Engineer
OREGON HEALTH AUTHORITY - Public Health Division - Drinking Water Services

Cell: 971-200-0288

Fax: 971-673-0458 www.healthoregon.org/dwg Hofeld Evan E

From: Alondra Baraias <alondrab@ronco-plastics.com>

Tuesday, March 11, 2025 12:04 PM

Hofeld Evan E; Info To: Subject:

RE: NSF-61 certification guestion on Ronco chemical solution tank Technical Data Sheet MP 643962.pdf; MP 643962 FDA Letter Product Stewardship Bulletin.pdf; MP 643962 NSF.pdf

You don't often get email from alondrab@ronco-plastics.com. <u>Learn why this is important</u>

Think twice before clicking on links or opening attachments. This email came from outside our organization and might not be safe. If you are not expecting an attachment, contact the sender before opening it.

That is correct these don't have the marking but attached is the documents for the resin used. I'll pass it along since they are our customer

Thank you,

Director of Administration Ronco Plastics, Inc. 15022 Parkway Loop, Suite B Tustin, CA 92780

714-259-1385 (Phone) | 714-259-0759 (Fax)

866-355-5950 toll-free

Web: http://www.ronco-plastics.com/

March 20, 2025

NSF-61 listing Microthene MP643962 resin



The Public Health and Safety Organization

NSF Product and Service Listings

These NSF Official Listings are current as of Wednesday, March 11, 2020 at 12:15 a.m. Eastern Time. Please contact NSF to confirm the status of any Listing, report errors, or make suggestions.

Alert: NSF is concerned about fraudulent downloading and manipulation of website text. Always confirm this information by clicking on the below link for the most accurate information: http://info.nsf.org/Certified/PwsComponents/Listings.asp?Companv=58770&Standard=061&

NSF/ANSI/CAN 61 Drinking Water System Components - Health Effects

NOTE: Unless otherwise indicated for Materials, Certification is only for the Water Contact Material shown in the Listing. Click here for a list of <u>Abbreviations used in these Listings</u>. Click here for the definitions of <u>Water Contact Temperatures denoted in these Listings</u>.

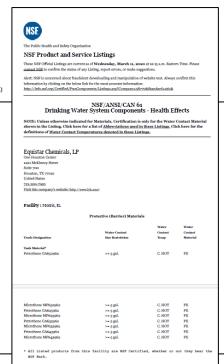
Equistar Chemicals, LP

One Houston Center 1221 McKinney Street

Suite 700 Houston, TX 77010

United States 713-309-7905

Visit this company's website (http://www.lyb.com)



February 17, 2020

Alondra Barajas Ronco Plastics, Inc. 15022 Parkway Loop Ste. B Tustin. CA 92780



Microthene MP643962

A product of Equistar Chemicals, LP

Dear Alondra Barajas

The following is in response to your request for Product Stewardship Information (PSInfo) for the product listed above. The attached Product Stewardship Bulletin (PSB) details the regulatory status of this product.

LyondellBasell Industries responds to product stewardship requests with a standardized Product Stewardship Bulletin (PSB) which summarizes the global regulatory status of a product. LyondellBasell Industries will not complete customers' forms or questionnaires. Standardized responses provide each customer with consistent information in a timely fashion. Each request is reviewed to ensure our response documents provide relevant information.

Please note that compliance with these regulations should not be interpreted to guarantee that the product, will, in fact, perform in a particular application. Your Technical Service Representative can help you determine that the characteristics of the product are compatible with the desired conditions of use.

Should you have any further questions concerning a LyondellBasell product, or if we can assist in any other way, please do not hesitate to contact us.

Best regards

and Schei

Andy Scheie Manager, Product Stewardship US

Polyolefins and APS 513-530-4229

andrew.scheie@lyondellbasell.com

LyondellBasell Product Stewardship Information Date: 2/17/2020

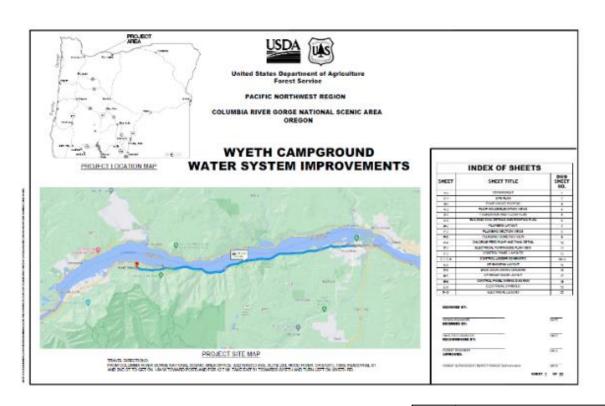
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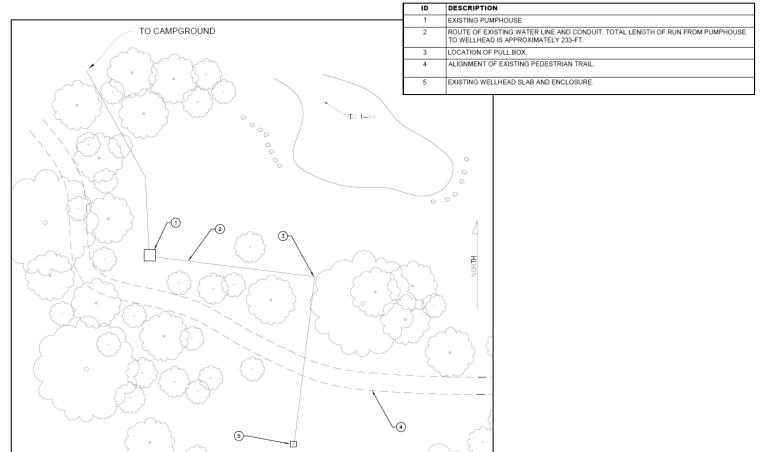
Microthene MP643962 Recipient Tracking #: Poguert #: 2274069

Microthene MP652962	>= 5 gal.	C. HOT	PE
Petrothene GA625962	>= 5 gal.	C. HOT	PE
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Microthene MP643962	>= 5 gal.	C. HOT	PE

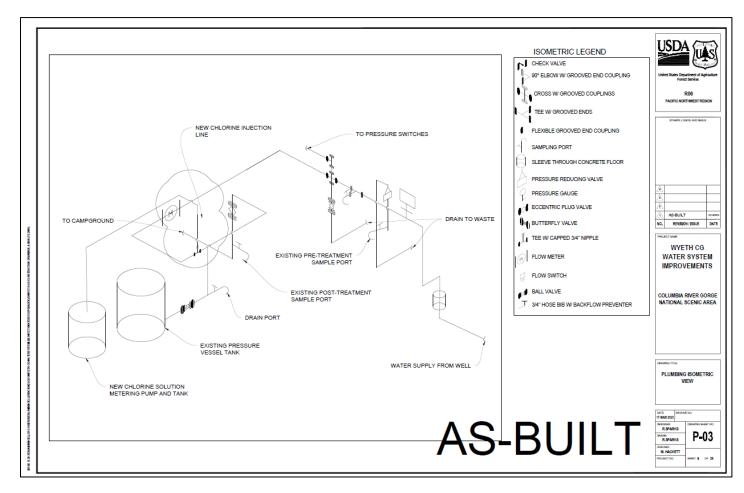
* All Listed products from this facility are NSF Certified, whether or not they bear the NSF Mark.

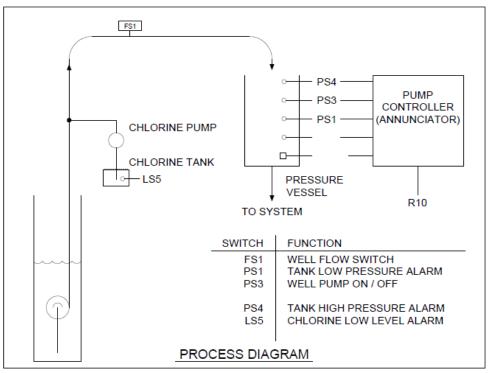
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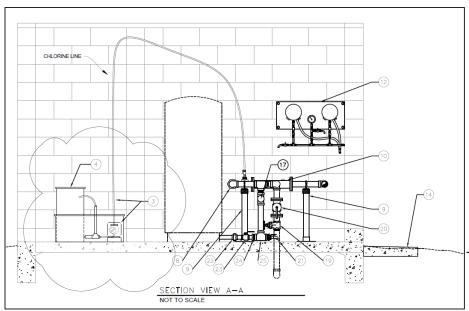
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USFS Wyeth Campground (PWS #94014) Residual Maintenance - Final Approval (PR#38-2023)
March 20, 2025

FIELD LOCATE ROUTING OF CHLORINE LINE WITH COR



EXISTING PRESSURE TANK
 EXISTING PRESSURE RELIEF TO WASTE
 NEW CHLORING SOLUTION METERING PUMP "LMI ROYTRONIC EXCEL SERIES AD ELECTRONIC METERING PUMP" AND HOSE TO INJECTOR SEE CALL-OUT NO. 26
 NEW SOLUTION TANK
 EXISTING NEMA 1 JUNCTION BOX AND BOLTED TERMINAL BLOCK.
 EXISTING PUMP PROTECTION DEVICE.
 EXISTING 9 LWP PROTECTION DEVICE.
 EXISTING 2" THO UNION
 EXISTING 2" THO UNION
 EXISTING 2" THO UNION
 EXISTING STEEL PIPE SUPPORT
 EXISTING 2" FL. X FL. FLOW METER W STRAINER, TOTALIZATION REGISTER AND REAL TIME FLOW BATE MOICATOR (GFM)
 EXISTING 2" SEQUENCES STEEL PIPE (GSP) TO CAMPGROUND.

 EXISTING 2" SOP 45 DEG. ELBOW W/ SCREENED OUTLET FOR PUMP TO WASTE AND PRESSURE RELIEF.

 NOT USED
 EXISTING 2"X2"X1-1/4" THO CLOSE COUPLED TEE W/ NEMA 4X-SS NC FLOW SWITCH.
 NOT USED
 EXISTING 2"X2"X2"-11/4" THO CLOSE COUPLED TEE W/ NEMA 4X-SS NC FLOW SWITCH.
 NOT USED

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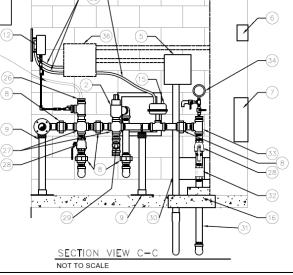
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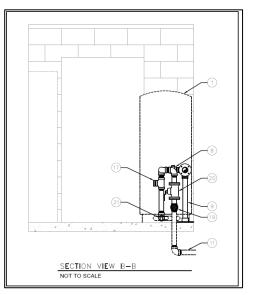
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