



LEEDS DOMESTIC
WATERUSERS ASSOCIATION

A private non-profit, shareholder owned culinary water utility.

Bacteriological Sample Siting Plan (BSSP)

Updated January 2026



Bacteriological Sample Siting Plan (BSSP)

Leeds Domestic Waterusers Association — Leeds, Utah

Prepared for: Leeds Domestic Waterusers Association

System location: Leeds, Washington County, Utah

Plan type: Revised Total Coliform Rule / bacteriological sample siting plan

Effective date: 01/21/2026

Prepared by: Mark Osmer & Doris McNally

1. Purpose and Regulatory Basis

This Bacteriological Sample Siting Plan identifies representative routine, repeat, and source/raw-water sampling locations for the Leeds Domestic Waterusers Association distribution system. The plan is intended to support compliance with Utah's total coliform monitoring requirements and the Revised Total Coliform Rule by documenting where samples will be collected, how repeat locations are selected, and how the sampling schedule will be implemented.

Utah rules require public water systems to maintain a written sample siting plan that identifies sampling sites and a collection schedule representative of water throughout the distribution system. Routine and repeat sites, and any sampling points needed for source-water monitoring, should be reflected in the plan.

2. System Information

Item	Information
Water system name	Leeds Domestic Waterusers Association [LDWA]
Community served	Leeds, Utah and connected service area
Public Water System ID	UTAH 27010
System classification	Community public water system; confirm classification with Utah Division of Drinking Water records
Population served / service connections	Population: 856 Service connections: 387
Water sources	Well(s), spring(s), purchased water, or other approved source(s): ▪ Oak Grove Spring (WS001) Location: S 811 ft W 291 ft from E4 cor Sec 36 T40S R14W SL ▪ Highlands Well No. 1 (WS002) Location: N 2958 ft E 1124 ft from SW cor Sec 31 T40S R13W SL ▪ Highlands Well No. 2 (WS004) (FUTURE) Location: N 204 ft E 1046 ft from W4 cor Sec 31 T40S R13W SL
Treatment / disinfection	Chlorine treatment: Yes



Storage facilities	Tank(s) / reservoir(s): ▪ Large Green Tank (ST001) [060-1 Tank] Above Ground ACTIVE ▪ Small Green Tank (ST001) [030-2 Tank] Above Ground ACTIVE ▪ Pink Tank (ST003) [450-3 Tank] Above Ground ACTIVE ▪ Bonanza Tank (ST004) [125-4 Tank] InGround INACTIVE ▪ SR Highlands Tank (ST005) [350-5 Tank] Above Ground ACTIVE ▪ Oak Grove Tank (ST006) [120-6 Tank] InGround ACTIVE
Operator / sampler	Name: Mark Osmer Phone: (435) 772-1970 Email: LDWAfieldops@infowest.com Certification Type: Certified Operator License Number: 12818
Certified laboratory	Name: St. George Regional Water Reclamation Facility Laboratory Phone: (435) 627-4279 Email: laboratory@sgcityutah.gov Address: 2176 W. Treatment Plant Rd. St. George, Utah 84790 Certification: NELAP-accredited facility Tests: <u>Monthly</u> ▪ <u>Bac-T</u> (bacteriological) ▪ <u>E. Coli</u> (Escherichia coli) Name: Chemtech-Ford Laboratories Phone: (801) 262-7299 Email: rhendricks@chemtechford.com Address: 9632 S 500 W, Sandy, UT 84070 TNI Lab Code: TNI01969 EPA Code: UT00027 Tests: <u>As Required</u> ▪ <u>Microbiological Contaminants</u> (Coliform Bacteria), (Fecal coliform and E.coli), (Turbidity) ▪ <u>Inorganic Contaminants</u> (Fluoride mg/L), (Nitrate as Nitrogen), (Sulfate), (Dissolved Solids) ▪ <u>Metals</u> (Arsenic), (Barium), (Copper), (Lead), (Selenium), (Sodium) ▪ <u>Radioactive Contaminants</u> (Gross Alpha), (Gross Beta), (Radium-226), (Radium-228) Name: Pace Analytical Services, LLC Phone: (800)752-6651 Email: Janet Clutters, Project Manager janet.clutters@pacelabs.com Address: 2231 W. Altorfer Drive Peoria, IL 61615 Tests: <u>As Required</u> ▪ <u>Semivolatile Organics - PFAS - PIA</u>

3. Distribution System Map

Attach a current map, aerial photo, GIS printout, or clearly labeled diagram of the Leeds distribution system. The map shows the source(s), storage tank(s), major transmission and distribution lines, routine & repeat sample locations, and any source/raw-water sampling points.

Map checklist	Shown on attached map?	Notes
Routine sample taps	Yes	R's noted in RED
Repeat sample taps	Yes	R's noted in RED
Well, spring, or purchased-water entry point	Yes	S's noted in GREEN
Hydrants & Storage tanks	Yes	x's in RED

4. Routine Sample Sites

Routine sample sites should be representative of the full Leeds distribution system, including the town core, higher and lower elevations, storage-zone influence areas, dead-end or low-flow areas, and the farthest practical points from each source or storage facility. The following table is drafted as a working template; replace placeholder addresses with active customer-approved taps, dedicated sampling stations, or other approved compliance sample locations.

Site ID	Routine site name/address or coordinates	Tap type	Triggered schedule
R-1	545 Main Street	Hose bib	Monthly (Location Rotated)
R-2	760 N Main Street – PRV (aka N Main)	Hose bib	Monthly (Location Rotated)
R-3	360 S Main Street (aka S Main)	Hose bib	Monthly (Location Rotated)
R-4	1235 N Bonanza Road	Hose bib	Monthly (Location Rotated)
R-5	Oak Grove – PRV	Hose bib	Monthly (Location Rotated)

5. Repeat Sample Sites

If a routine total coliform sample is positive, the system will collect repeat samples as required by the Revised Total Coliform Rule and Utah requirements. Unless an approved alternative protocol applies, the repeat set should include the original routine site, one location within five service connections upstream, and one location within five service connections downstream. Repeat sites must be accessible, sanitary, and representative of the same portion of the distribution system as the routine site.

Route site	Original repeat site	Upstream repeat site	Downstream repeat site
R-1	Same as R-1	R-2	R-3
R-2	Same as R-2	R-4	R-1
R-3	Same as R-3	R-1	Red Cliff Rd

6. Source and Raw-Water Sampling Points

For groundwater systems, a triggered source-water sample may be required after a total coliform-positive routine sample when a groundwater source was in service at the time of the positive sample. If Leeds operates continuously chlorinated groundwater sources, the system should also identify raw-water sampling taps located before treatment or disinfection where required by the Utah Division of Drinking Water. If Leeds purchases water or uses a surface-water-only source, note the applicable exemption or source type in this section.

Source ID	Source name/location	Treatment status Raw-Water or Chlorinated	Triggered schedule
S-1	Oak Grove Spring (WS001)	Not Chlorinated	Monthly or as required
S-2	Highlands Well No. 1 (WS002)	Not Chlorinated	Monthly or as required
S-3	Highlands Well No. 2 (WS004) (FUTURE)		Monthly or as required

7. Sampling Schedule and Rotation

The routine sampling schedule shall follow the system's Utah Division of Drinking Water monitoring schedule. If the system is on monthly monitoring, collect routine bacteriological samples at regular intervals throughout the month unless the system qualifies for single-day collection under Utah rules. If the system is on quarterly monitoring, collect during the assigned compliance quarter. Sampling events should be rotated so that all representative areas are sampled over the year.

Month	Routine site	Sampler	Target collection date
January	R-1	Mark Osmer	1 st Week of Month
February	R-2	Mark Osmer	1 st Week of Month
March	R-3	Mark Osmer	1 st Week of Month
April	R-1	Mark Osmer	1 st Week of Month
May	R-2	Mark Osmer	1 st Week of Month
June	R-3	Mark Osmer	1 st Week of Month
July	R-1	Mark Osmer	1 st Week of Month
August	R-2	Mark Osmer	1 st Week of Month
September	R-3	Mark Osmer	1 st Week of Month
October	R-1	Mark Osmer	1 st Week of Month
November	R-2	Mark Osmer	1 st Week of Month
December	R-3	Mark Osmer	1 st Week of Month

8. Sample Collection Procedures

- Use only approved routine, repeat, or source/raw-water sites listed in this plan unless an emergency alternate is documented.
- Select a clean, accessible tap; avoid swivel faucets, leaking taps, softened water, filtered taps, hot-water taps, and taps connected to hoses or aerators unless the appurtenance can be removed and the tap properly disinfected.
- Allow water to run long enough to obtain a representative sample and, when needed, to clear premise plumbing while avoiding excessive flushing that would distort the sample location.
- Collect samples in laboratory-provided sterile containers according to laboratory instructions and complete all chain-of-custody documentation.
- Maintain required sample temperature and deliver samples to the certified laboratory within the approved holding time.
- Record site ID, address, date, time, sampler, chlorine residual if measured, weather or operational notes, and any deviations from this plan.

9. Positive Sample Response

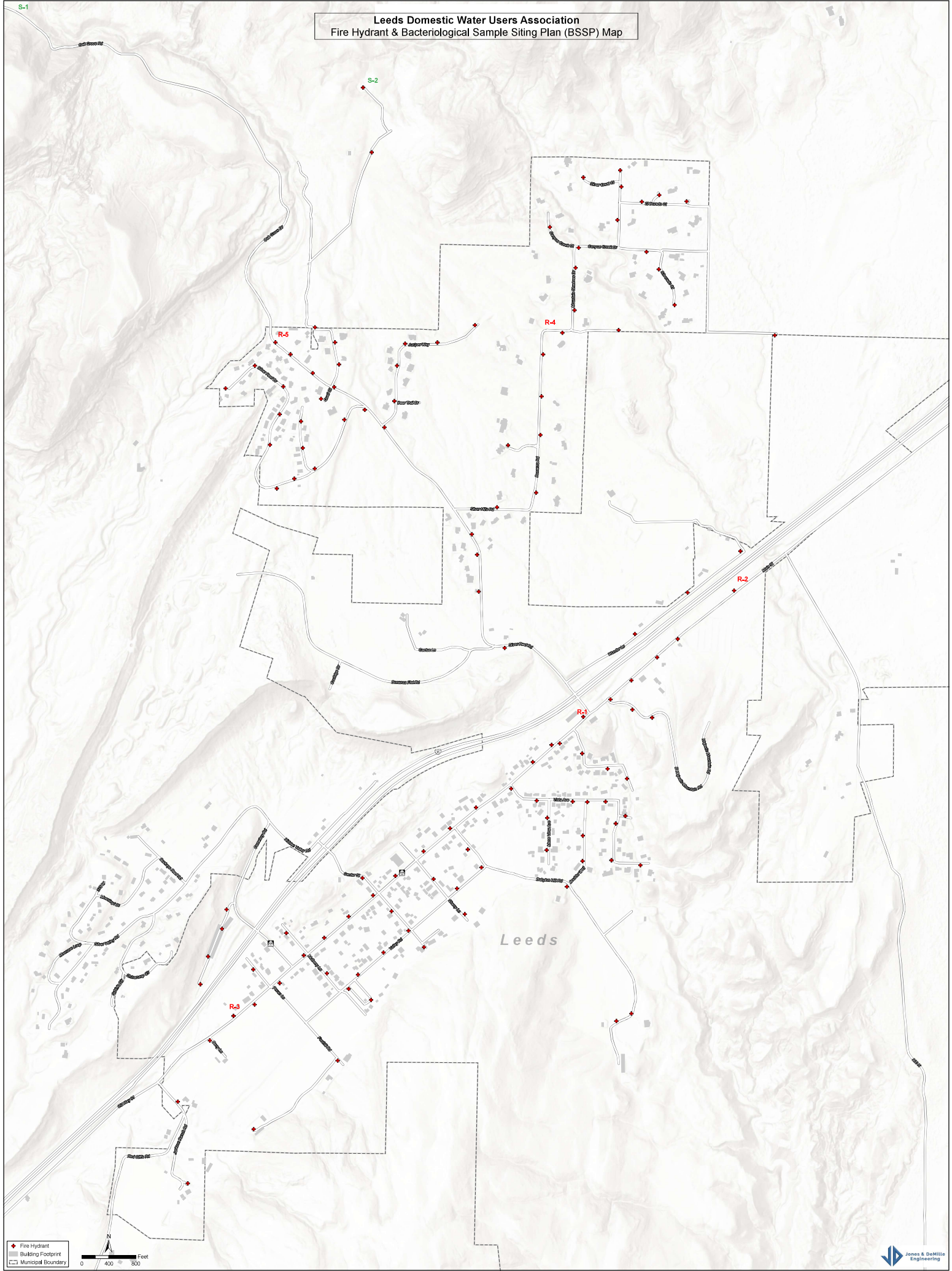
Upon notice of a total coliform-positive routine result, the operator will contact the certified laboratory and Utah Division of Drinking Water as required, collect the required repeat samples at the original, upstream, and downstream locations, and collect any triggered source-water sample required for groundwater sources in service at the time of the positive routine sample. Corrective action, public notification, and assessment requirements will be performed according to current Utah Division of Drinking Water direction.

10. Records, Review, and Updates

The Association will keep the current BSSP, attached map, laboratory results, chain-of-custody forms, chlorine residual records if applicable, repeat-sampling documentation, and correspondence with regulators in the system's compliance files. This plan should be reviewed at least annually and updated after major construction, new or abandoned service areas, source changes, treatment changes, pressure-zone changes, recurring bacteriological issues, or changes to DDW monitoring requirements.

Certified laboratory Tests	Results File Location
St. George Regional Water Reclamation Facility Laboratory	LDWAcorp@infowest.com Outlook Folder
Chemtech-Ford Laboratories	LDWAcorp@infowest.com Outlook Folder

Leeds Domestic Water Users Association
Fire Hydrant & Bacteriological Sample Siting Plan (BSSP) Map



- Fire Hydrant
- Building Footprint
- Municipal Boundary

0 400 800 Feet