

Edl, Michele

From: Jamie Barton [JBarton@phd1.idaho.gov]
Sent: Friday, January 27, 2012 1:01 PM
To: Edl, Michele
Subject: RE: information request Nothern Lights PWS# 1090243
Attachments: 2000 survey report.pdf; Well and mechanical room plans.pdf; Engineer letter.pdf; Site plan.pdf; Northern Lights.pdf; Northern Lights Survey9-08 .pdf

Michele,

I'm not sure if I have anything real helpful. We do not have the plans for the heat exchange system. The pictures I have from the 2000 survey are mainly the pressure tanks in the mechanical room which you can see on the plans. Since it would take awhile to get those scanned and sent, I will send you a copy of the most recent survey with photos. It does not appear as if any changes in the mechanical room took place between 2000 and 2008. Let me know if this helps.
Jamie

*Jamie Barton
Panhandle Health District
8500 N. Atlas Rd
Hayden, ID 83835
208-415-5208
fax 208-415-5201*

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From: Edl, Michele [<mailto:Michele.Edl@idwr.idaho.gov>]
Sent: Friday, January 27, 2012 10:03 AM
To: Jamie Barton; Kristina Keating
Subject: RE: information request Nothern Lights PWS# 1090243

Good morning,

I am still interested in information that you may have, related to the water system at Northern Lights facility in Sagle. I was not successful navigating your auto switchboard this morning so I am hoping that this email connects me to an agent who is available and willing to provide that information. My direct line is 208-287-4946. Thanks
Michele Edl

From: Suzanne.Scheidt@deg.idaho.gov [<mailto:Suzanne.Scheidt@deg.idaho.gov>]
Sent: Thursday, January 26, 2012 5:10 PM
To: Edl, Michele
Cc: JBarton@phd1.idaho.gov; KKeating@phd1.idaho.gov
Subject: FW: information request Nothern Lights PWS# 1090243

Hi Michelle, Thanks for your email. Please contact Jamie Barton or Kristina Keating at PHD in Hayden for additional information on Northern Lights. PHD has regulatory oversight over Northern Lights. Suzanne

From: Thomas Herron
Sent: Thursday, January 26, 2012 10:04 AM
To: Suzanne Scheidt
Subject: FW: information request Nothern Lights PWS# 1090243

Hi Suzanne,

Normally I would have forwarded this from my phone, but while I was in New Mexico last week my e-mail stopped showing up on my phone because the password for my login expired while I was gone. The upside is that I wasn't looking at e-mail while I was on vacation, the downside is that I wasn't looking at e-mail while I was on vacation...

Thomas Herron
Surface Water Program Manager
DEQ Regional Office Coeur d'Alene
208-769-1422
Thomas.Herron@deq.idaho.gov

<http://www.deq.idaho.gov>

From: Edl, Michele [<mailto:Michele.Edl@idwr.idaho.gov>]
Sent: Friday, January 20, 2012 9:54 AM
To: Thomas Herron
Subject: information request Northern Lights PWS# 1090243

Good morning,

I work for the Idaho Department of Water Resources in the state office in Boise. I have been assigned to review the water right file and if possible issue a license for a water system serving the Northern Lights, Inc. office and warehouse facility in Sagle. I do not have enough information. Because this is a public water supply I believe that you may have records that I would find helpful in understanding this system.

I am most interested in seeing your inspection documents which are dated nearest to June 7, 2001 which is the time that our field examiner visited the site.

I would be happy to submit a formal records request, if that is your preference. Thank you.

Michele Edl

Associate Engineer

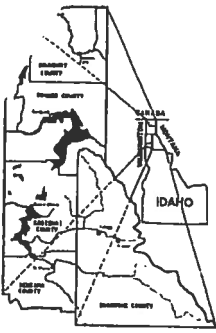
Water Rights Section

Idaho Department of Water Resources

322 East Front St

Boise ID 83720

208-287-4946



Painandle Health District I

Environmental Health Section

**322 Marion
Sandpoint, Idaho 83864
(208) 265-6384
FAX (208) 265-8550**

DRINKING WATER SUPPLY REPORT

Year: 2000
PWS: 1090243
County: Bonner
System: Northern Lights Sagle Headquarters
Ownership: Tim Cochran
Address: PO Box 310, Sandpoint, ID 83864
Information obtained from: Tim Cochran
Location: Chevy Road at Monarch; T56N R2W Sec15
Inspector: Mike Nelson
Population: 3 building office/industrial complex

Field Survey Data

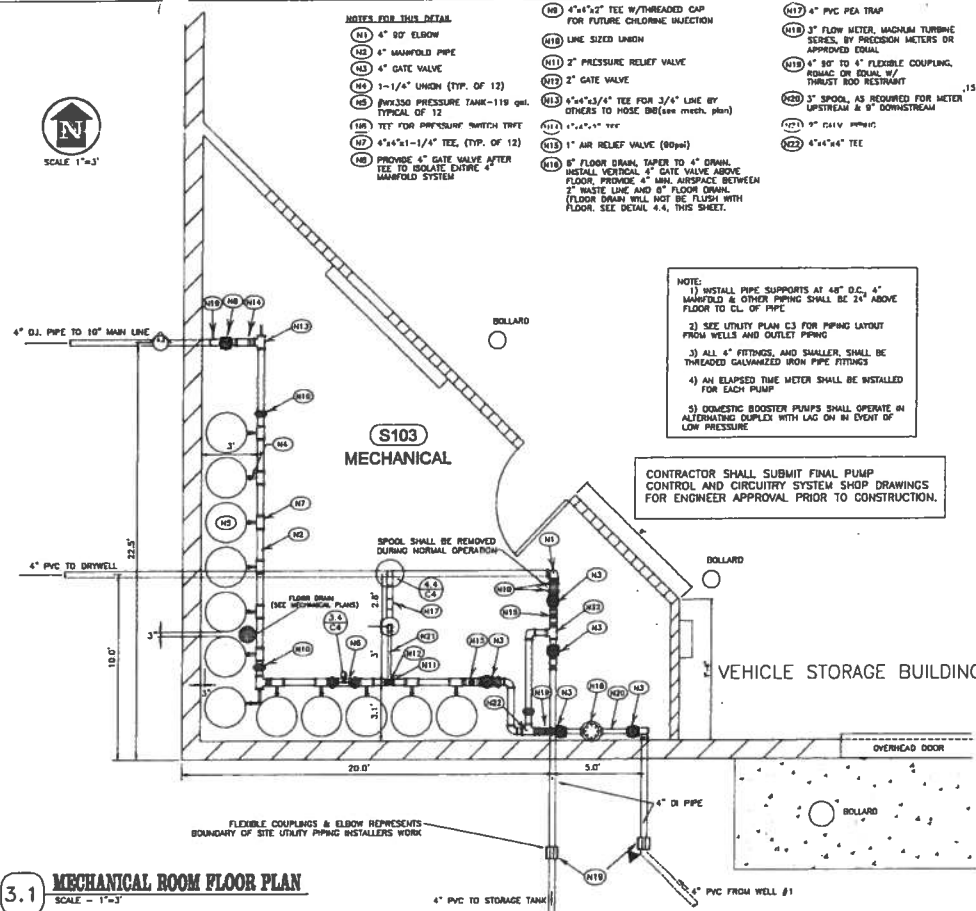
Survey Date: April 10, 2000

The water system is served by an 8 inch well located on a well lot south of the storage yard. The well was drilled 4/15/99, to a depth of 212 feet. The septic tanks and drainfield are approximately 600 feet northeast of the well. The 10 inch well casing extends 28 inches above the ground surface and is fitted with a watertight, vented well cap. The well is equipped with a 20 horsepower submersible pump producing 200 g.p.m.. The pump is normally controlled by a pressure transducer in the reservoir, but may also be controlled by a pressure switch in the pump house. The pump discharges through 4 inch PVC and a 3 inch flow meter to the reservoir. At the time of inspection the meter reading was 8,266,200 gallons. The reservoir may be bypassed and the pump discharge direct to distribution.

The pump house is located in a mechanical room in the southwest corner of the vehicle storage building. The pump house has a locking steel door and contains the flow meter, pump controls, pump to waste, sample tap, and pressure tanks. Twelve Well-x-trol, WX-350, pressure tanks ride on the system.

Storage is provided by an 150,000 gallon, below grade, concrete reservoir. The roof is approximately 2 feet above grade. There are two, 30 inch x 36 inch, accesses in the southwest and northwest corners of the reservoir. The steel access risers are fitted with overlapping, locked, steel covers. There are two, 4 inch, combination overflow/vents on the east side of the reservoir.

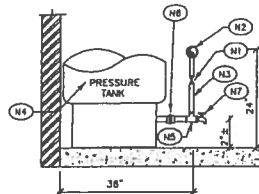
The distribution system is supplied by two alternating 15 horsepower submersible pumps in the reservoir. The pumps produce 150 g.p.m. and are controlled by pressure switches in the pump house. There is also a 60 horsepower submersible pump in the reservoir which will produce 1800 g.p.m. for high demand situations. There are four 6 inch hydrants in the distribution system.



3.1 MECHANICAL ROOM FLOOR PLAN
SCALE - 1"=3'

NOTES FOR THIS DETAIL

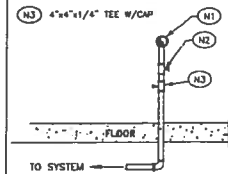
- N1 1 1/4" BALL VALVE
- N2 4"x4"x1 1/4" TEE ON 4" MANHOLE
- N3 1 1/4" PIPE
- N4 WELL CTRL WX-350 PRESSURE TANK: 119 GAL, 100 PSI MAX WORKING PRESSURE, TYP. OF 10
- N5 1 1/4" 90° ELBOW
- N6 1 1/4" TEE
- N7 HOSE BIB



4.1 PRESSURE TANK DETAIL
SCALE-NO SCALE

NOTES FOR THIS DETAIL

- N1 4" MANHOLE
- N2 4" GATE VALVE
- N3 4"x6"x1/2" TEE W/CAP



4.3 PIPE SECTION DETAIL
SCALE-NO SCALE

NOTES FOR THIS DETAIL

- N1 CALV. PIPE, 2" P.R., 4" BLOWOFF
- N2 2"x4" 90° ELBOW
- N3 FUNNEL
- N4 4" GATE VALVE, PRESSURE RELIEF PIPING ONLY
- N5 4"x4"x4" TEE
- N6 4" D.I. PIPE
- N7 4" PVC PEA TRAP, PRESSURE RELIEF PIPING ONLY



4.4 PRESSURE RELIEF/WELL BLOWOFF PIPING DETAIL
SCALE-NO SCALE

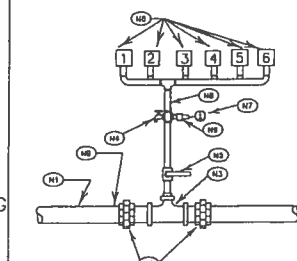
NOTES FOR THIS DETAIL

- N1 4" D.I. FROM PUMP CONTROL ROOM
- N2 RODENT/INSECT PROOF SCREEN APPROVED BY ENGINEER
- N3 AMOCO #2065 FILTER FABRIC OR EQUAL



4.5 BOLLARD/WELL PROTECTION DETAIL
SCALE-NO SCALE

- PS 1 LOW PRESSURE ALARM - @ 25 PSI
- PS 2 HIGH CAPACITY PUMP - ON @ 35 PSI, OFF @ 80 PSI
- PS 3 DOMESTIC LEAD PUMP - ON @ 50 PSI, OFF @ 70 PSI
- PS 4 DOMESTIC LAG PUMP - ON @ 45 PSI, OFF @ 65 PSI
- PS 5 HIGH PRESSURE ALARM - @ 80 PSI
- PS 6 WELL PUMP - ON @ 50 PSI, OFF @ 70 PSI



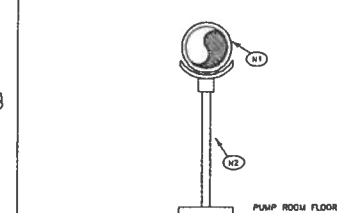
NOTE: CONTRACTOR SHALL ADD DAMPENING TO PRESSURE SWITCH TREE TO ALLEVIATE ADVERSE EFFECTS OF WATER HAMMER ON SWITCHES. DAMPENING MAY INCLUDE USE OF COILED COPPER TUBING OR HYDROCELL.

3.4 PRESSURE SWITCH TREE DETAIL
SCALE-NO SCALE

1.5 OVERFLOW/DISCHARGE DRAIN TO DETWELL
SCALE-NO SCALE

NOTES FOR THIS DETAIL

- N1 PUMP CONTROL ROOM PIPING
- N2 PIPE SUPPORT & ANCHORING SYSTEM TO BE APPROVED BY ENGINEER



3.5 PIPE SUPPORT DETAIL
SCALE-NO SCALE



James A. Sewell and Associates
CONSULTING ENGINEERS
SANDPOINT, IDAHO 83864
(208) 263-4160

SHEET TITLE: SAGE HEADQUARTERS SITE DESIGN
ON-SITE WATER SYSTEM
FOR NORTHERN LIGHTS INC.
BONNER COUNTY, IDAHO
DATE: 2-8-99
SCALE: AS SHOWN
DRAWN BY: OPH
CHECKED BY: SLH/SAN
FILE NO.: 1410-000
C4
SHEET 4 OF 8

NOTES FOR PLAN VIEW

- (N1) CAST IN-PLACE CONCRETE TANK.
- (N2) 30" W/ MATCH W/LOCKING LID, PER MANUFACTURER'S SPEC.
- (N3) 6" O.D. PIPING
- (N4) DOMESTIC PUMPS
- (N5) HIGH CAPACITY PUMP
- (N6) 2" AIR RELEASE
- (N7) 14" HOLE IN CONCRETE LID PANEL.
- (N8) 48" H. MANHOLE BASE AND SECTIONS AS REQUIRED
- (N9) 4" O.D. PIPING
- (N10) 4" OVERFLOW PIPE, PLACED 35'-2" FROM TANK ENDS (TYPICAL OF 2)
- (N11) 4" GATE VALVE (TYP. 3)
- (N12) 4" 90° ELBOW (TYP. 3)
- (N13) 4" TEE
- (N14) 8"x12" REDUCER
- (N15) 8"x8"x8" TEE
- (N16) 8" GATE VALVE
- (N17) 8"x8"x4" TEE
- (N18) 12" C900 PVC PIPING TO DISTRIBUTION NETWORK
- (N19) 12" HOLE IN CONCRETE LID PANEL.
- (N20) 8" GATE VALVE

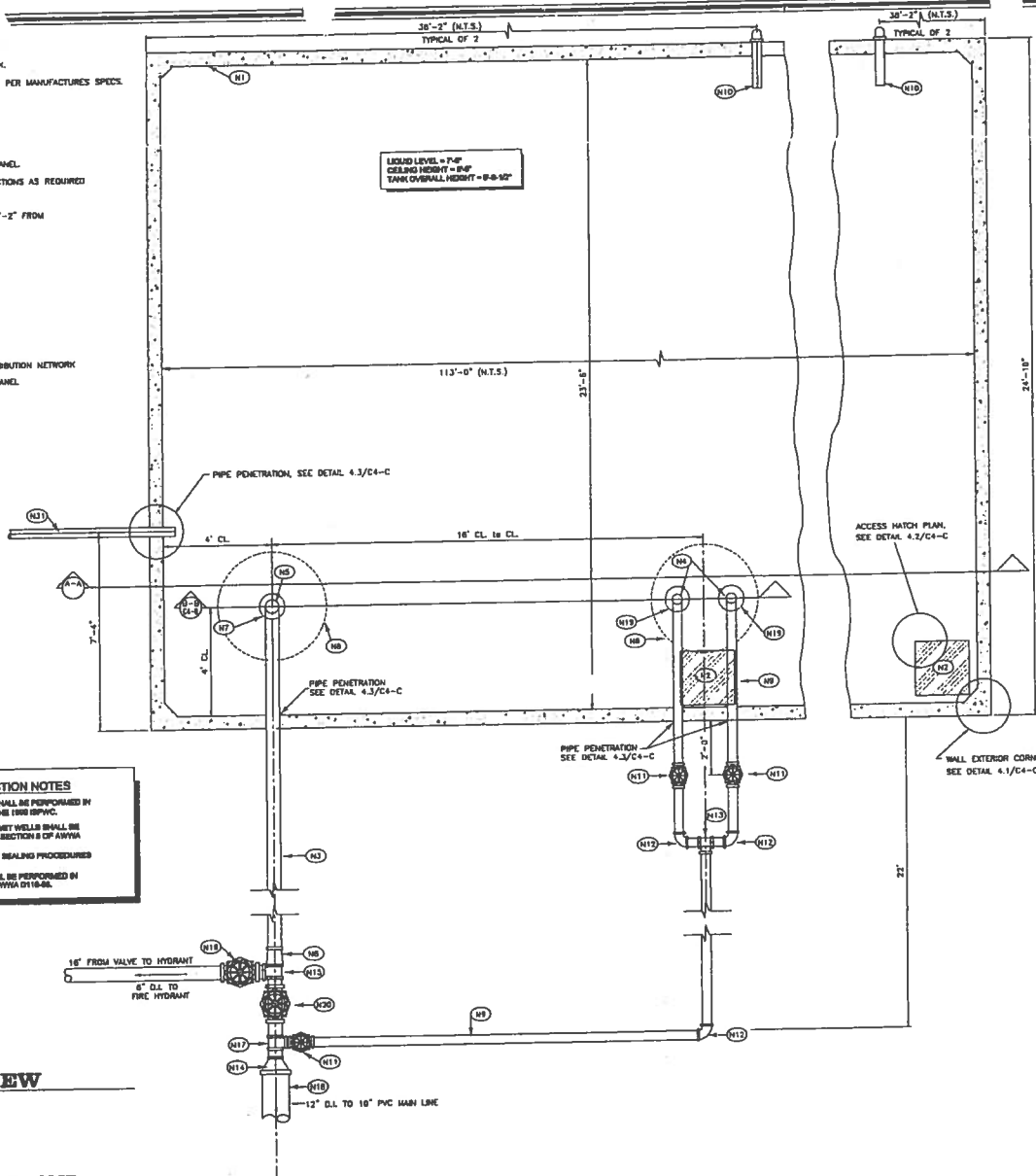
GENERAL CONSTRUCTION NOTES

- 1) ALL PIPING AND CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH AWWA AND THE 1988 IFPVC.
- 2) LEAK TESTING OF RESERVOIR AND WET WELLS SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 8 OF AWWA D118-86.
- 3) CONTRACTOR SHALL SUBMIT JOINT SEALING PROCEDURES TO THE ENGINEER FOR APPROVAL.
- 4) DISINFECTION OF RESERVOIR SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 8 OF AWWA D118-86.

PLAN VIEW

SCALE - 1/2"=1'

4.1 WATER RESERVOIR



LITHOLOGICAL LOG

BORE DIA.	FROM	TO	REMARKS	WATER	
				YES	NO
12	0	5	PULLED 25' OF SCREENS RESET 15' 40 SLOT	X	
19	5	10	TOPSOIL		X
			SAND BROWN		Y
12	50	60	SAND BROWN CLAY		X
8	80	78	BROWN CLAY SANDY		X
8	78	180	CLAY GREY SILTY W/WT	X	
8	180	182	CLAY GREY WITH GRAVELS		X
8	182	212	SAND COARSE WITH GRAVELS	X	
0	0		NOTE: (2) 8" X-PACKERS		

GRADING PROCEDURES

BENEDICTE FROM 0 TO -80' 18 BAGS, METHOD WAS OVERBONE

CANARY LINES

8" FROM +2 TO -184, 322 QUACE STEEL WELDED
7" FROM -180 TO -210 SERVICE AND SCREEN

PROPORTIONS / DIMENSIONS

STAINLESS STEEL JOHNSON SCREEN FROM -197 TO -212,
SLOT SIZE .40, NUMBER 18, 8" DIAMETER.

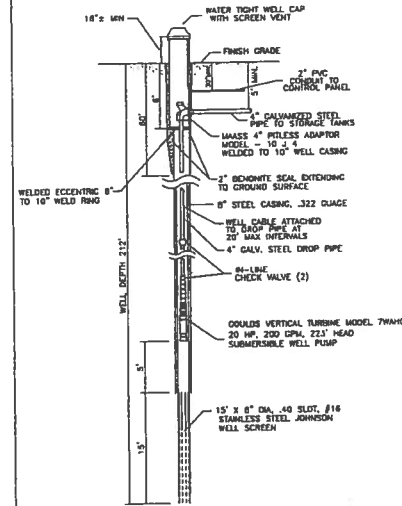
STATIC WATER LEVEL

54 FEET BELOW GROUND LEVEL

WELL TESTS

AIR PRESSURE TEST, YIELD OF 70 GALLONS PER MINUTE

2.4 WELL LOG INFORMATION



4.4 WELL CONSTRUCTION DETAIL

N.T.S.



James A. Sewell and Associates
CONSULTING ENGINEERS
SANDPOINT, IDAHO 83864
(208) 263-4160



SAGE HEADQUARTERS SITE DESIGN
ON-SITE WATER SYSTEM
FOR NORTHERN LIGHTS INC.
BONNER COUNTY, IDAHO

SHEET TITLE: SAGE HEADQUARTERS SITE DESIGN
ON-SITE WATER SYSTEM
FOR NORTHERN LIGHTS INC.
BONNER COUNTY, IDAHO

DATE: 5-6-89
SCALE: AS SHOWN
DRAWN BY: DPH
CHECKED BY: SLW/CPM
FILE NO: HJL/DPH

C4-A
SHEET 4 OF 8

N-Lights PWS file
JAMES A. SEWELL & ASSOCIATES *(PHD system)*

Consulting Engineers & Land Surveyors

Spokane

Hutton Building
9 South Washington, Suite 708
Spokane, Washington 99201
(509) 747-5794
(509) 747-5798 Fax

Newport

600 4th Street West
Newport, Washington 99156
(509) 447-3626
(208) 437-2641
(509) 447-2112 Fax

Sandpoint

Pend Oreille Professional Center
30336 Highway 200, Suite C
Sandpoint, Idaho 83864
(208) 263-4160
Fax (208) 263-5229

*Civil Engineering *Electrical Engineering *Land Surveying *Building Inspection

July 11, 2000

Division of Environmental Quality
2110 Ironwood Parkway
Coeur d'Alene, ID 83814-2648

Attn: Gary J. Gaffney, P.E.
Subj: Northern Lights Inc., Headquarters Facility Water System in Sagle
Ref: Revised As-built Plans

Dear Gary:

In response to your letter dated June 16, 2000, we wish to provide the following comments relative to your May 4, 2000 letter:

4. A construction note requiring conformance to ISPWC was added to the construction plans. One set of As-built plans is enclosed for your review.
5. The drywell in question was located more than ten (10) feet horizontally from all nearby water mains, and at least 30 feet from the well. The As-built drawings have been revised to indicate this.
6. The As-built drawings have been revised to show a perimeter berm around the well, with grass inside the 50-foot zone.
7. All irrigation lines connecting to the potable water system include a pressure type vacuum breaker assembly. This is noted on Sheet C3.
8. All heat exchanger supply lines include a reduced pressure backflow preventer. This is addressed in the mechanical plans, of which you do not have a copy; however, a note has been added to Sheet C3 to this effect. I have included an information sheet of the backflow preventer assembly for your records. Initial test results are being collected, and will be forwarded when received.
9. The pump to waste discharge and pressure relief valve discharge to drain line have both been modified to include an air gap. Detail 4.4 of Sheet C4 of the revised As-built drawings shows the construction details.
10. A certified leak test report for the water reservoir is attached.
11. Not pertinent.
12. On June 20, I discussed this item with you via telephone, during which you recalled

RECEIVED

6306

JUL 12 2000

IDHW-DEQ
Coeur d'Alene Field Office

having approved the installed overflow/air vents to Mike Nelson earlier this spring.

13. Comments by Mike Nelson, PHD, within letter dated April 24, 2000:

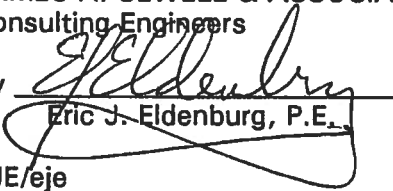
- (1) As-built drawings submitted herewith.
- (2) Air gaps installed.
- (3) Heat exchanger backflow prevention assembly addressed herein. The fire protection sprinkler system connections are protected with a double check valve backflow prevention assembly. Details are shown on the mechanical drawings, which are not included; however, a note has been added to Sheet C3 to this effect. Initial test results will be forwarded when located.
- (4) The sample taps within the mechanical room have had the threads removed.
- (5) The As-built drawings have been revised to include the pressure switch for the operation of the well when bypassing the water reservoir.
- (6) The mechanical room door will remain closed and locked to prevent unauthorized access. This has been noted on Detail 3.1 of Sheet C4 of the As-built drawings.

We hope that our comments and enclosures allow approval of the As-built plans. Please contact us if we can be of further assistance.

Sincerely,

JAMES A. SEWELL & ASSOCIATES
Consulting Engineers

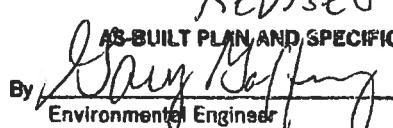
By


Eric J. Eldenburg, P.E.

EJE/eje

encl

cc: Jon Shelby, NLI, P.O. Box 269, Sagle, ID 83860
Tim Cochran, NLI
Rod Babcock, NLI w/encl
Mike Nelson, Panhandle Health District, 322 Marion, Sandpoint, ID 83864 w/encl
File w/copy literature

Revised 4/21/00
AS-BUILT PLAN AND SPECIFICATION REVIEW
By  *10/4/00*
Environmental Engineer Date

These plans and specifications depicting the actual construction, alteration or modification performed have been reviewed for compliance with IDAHO DEPARTMENT OF HEALTH AND WELFARE regulations and have been found acceptable. This review does not relieve the owner, engineer or contractor of the responsibility of having designed and constructed these facilities in compliance with all applicable federal, state and local laws, rules, regulations or ordinances.

Refer to letter of *10/4/00* to *N-21813*

Plans N-17



PANHANDLE HEALTH DISTRICT

Healthy People in Healthy Communities

ENVIRONMENTAL HEALTH

8500 N. ATLAS ROAD
HAYDEN, IDAHO 83835
(208) 415-5200
www.phd1.idaho.gov

September 25, 2008

Northern Lights, PWS# ID1090243
Attn: Rod Babcock
PO Box 269
Sagle, ID 83860

Subject: Enhanced Sanitary Survey conducted on *September 9, 2008*

Dear Mr. Babcock:

A copy of the Enhanced Sanitary Survey form, the photo log and photos for Public Water System #ID1090243 is enclosed with this mailing for your records. Attached, you will find the drinking water supply report for the water system which includes a list of the deficiencies and/or recommended improvements for your system.

Pursuant to IDAPA 58.01.08.302.03, the water system must respond in writing not later than forty-five (45) days after receipt of the sanitary survey report describing how and on what schedule the system will address significant deficiencies identified in the survey.

Prior to construction of new public water supply systems or modifications or existing public water supply systems, plans and specifications must be submitted to the DEQ for review, and approved, pursuant to IDAPA 58.01.08.551.04.a.

This system will be in substantial compliance with regulations if the significant deficiencies of this survey are implemented. Thank you for your time and cooperation in the completion of this survey. If you have any questions, please contact me at (208) 415-5208.

Sincerely,

Jamie Barton
Environmental Health Specialist
Panhandle Health District

Enclosures: Enhanced Sanitary Survey Inspection Form
Photo Log and Photos

Drinking Water Supply Report September 25, 2008

System: Northern Lights **PWS#:** ID1090243
Date of Survey: September 9, 2008 **County:** Bonner
System Representative Present at Survey: Rod Babcock
Surveyed by: Jamie Barton, PHD and Suzanne Scheidt, DEQ
Source: Ground water well **Population/Connections:** 50/3
Water System Type: Non-transient, Non-community

A sanitary survey of the Northern Lights water system was conducted on September 9, 2008 in part to investigate the recent coliform contamination problem with the well and distribution system. The source, storage tank, pump house, distribution system, heat exchange system and the PWS file contents were all evaluated during the survey.

Source

The Northern Lights water system is served by an eight-inch diameter well located on a well lot south of the storage yard. The well was drilled April 15, 1999 to a depth of 212 feet deep. The well casing extends 28 inches above the ground surface and is fitted with a watertight, vented well cap. The well is equipped with a 20 horsepower pump, which during the survey was measured to be producing 300 gallons per minute. The pump can be controlled by a pressure switch in the pump house. The water is pumped through a pitless adapter, 4-inch PVC and a 3-inch flow meter to the pump house and then out to the reservoir. At the time of the survey the meter reading was 44,453,300 gallons. The reservoir may be bypassed and the pump discharge direct to distribution. A raw water sample tap is not directly available at the well. Raw water samples are being drawn by isolating the reservoir and pressure tanks from the well.



Water tight well cap with screened vent



Instantaneous and totalizing flow meter

Pump House

The pump house is located in the southwest corner of the vehicle storage building. The pump house contains the flow meter, pump controls, pump to waste, sample tap, and 12 Well-x-Trol, WX-350 pressure tanks that ride on the system. Each pressure tank has a 119 gallon capacity and can be isolated from the system. Most all non-sample taps in the pump house have been filed to remove the threads. If there are any threaded non-sample taps still existing, it is required the bibs be equipped with an atmospheric vacuum breaker prior to being connected to a hose.



Pump to waste

Reservoir bypass



Hydronumatic tanks

Storage

Storage is provided by a 150,000 gallon, below grade, concrete reservoir. The roof is approximately 2 feet above grade. Access risers are located in the southwest and northwest corners of the reservoir and are fitted with overlapping, locked, steel covers. There are two combination overflow/vents on the east side of the reservoir. During the survey, the northern most overflow pipe was identified as not having the required screen. This is a deficiency which must be corrected by the water system.



Reservoir with access risers



Overflow / vent

The reservoir has not been cleaned or inspected since the year 2000 when it went into service. At the time of the survey, a layer of film was evident on the walls of the reservoir and on the water, which provides an environment for bacterial growth. It is highly recommended to have the reservoir drained and cleaned at least every five years.



Film from inside walls of reservoir



Looking in reservoir through access riser

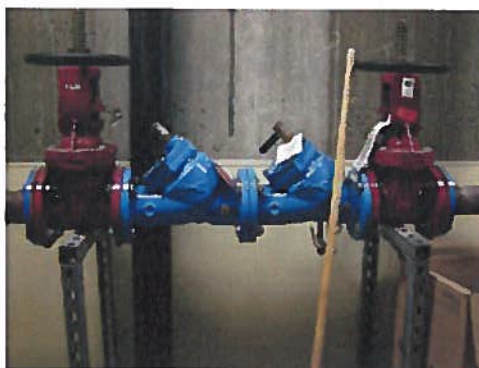
Distribution

The distribution system is comprised of three inch HDPE pipe and is supplied by two alternating 15 horsepower submersible pumps in the reservoir. The pumps produce 150 g.p.m. and are controlled by pressure switches in the pump house. A 60 horsepower submersible pump is also in the reservoir, capable of producing 1800 g.p.m., for high demand situations such as fire suppression. There are three 6-inch hydrants in the distribution system.

Also included in distribution are a heat exchange system and a fire protection sprinkler system. The original plans indicate all heat exchanger supply lines include a reduced pressure backflow preventer assembly and all fire protection sprinkler system supply lines include a double check valve backflow prevention assembly. It appeared on site, that a double check valve assembly was installed prior to the heat exchange system, however a double check valve assembly did not appear to be installed between the reservoir and sprinkler system. Please provide information to clarify the backflow assembly installation for the fire protection system.



Heat exchange system



Double check valve assembly

Investigation

As mentioned, the survey was conducted to investigate a coliform problem in the well and distribution. After reviewing the water system file it appeared the problem could be due to high levels of iron and manganese. Iron and Manganese are dissolved in the groundwater where oxygen content is low but as they are drawn into the well and more oxygen is introduced, iron and manganese becomes suspended in particulate form. The deposition of these minerals on the interior of the distribution system and reservoir creates a biofilm growth where total coliform can grow. Water samples were taken for nitrate, iron, manganese, iron bacteria, and total coliform bacteria. The results did show high levels of iron, manganese and iron bacteria at the well and the presence of total coliform in the well and distribution.

The water system is required to meet the Total Coliform Rule, which sets the maximum contaminant health goal for total coliform at zero. Because the water system has recently had continual presence of coliform, steps must be taken to solve this contamination problem. The following are some recommendations to consider:

- 1) Directly chlorinate the well, keeping consistent chlorine residuals
- 2) Install an iron and manganese removal system
- 3) Connect to the Sagle Valley Water System

Please contact our office to discuss these options prior to October 13, 2008. The implementation of any of the recommendations above will involve hiring a professional engineer licensed in the State of Idaho to submit plans and specs to the DEQ Coeur d'Alene Regional Office for approval.

Deficiencies

The following deficiencies were found during the course of the survey and must be addressed. A plan of correction that outlines the timeline in which these deficiencies will be addressed must be submitted to PHD within 45 days of receipt of this letter.

1. Storage: One of the overflows from the storage tank is not screen with non-corrodible 24 mesh screen as required by IDAPA 58.01.08.544.06.b.
2. Distribution: A cross connection may exist between the reservoir and the fire protection sprinkler system. A backflow prevention assembly is required between the reservoir and sprinkler system. Please provide information to clarify the backflow assembly installation for the fire protection system.
3. Pumping: Water pressure relief valves in the control room must be covered with a 24 mesh corrosion resistant screen.
4. Managerial: There is no total coliform rule (TCR) sample site plan, as required by IDAPA 58.01.08.100.01, which incorporates by reference 40 CFR 141.21.



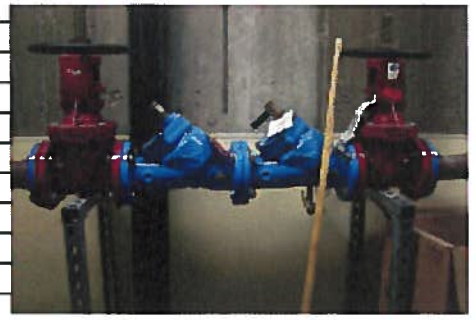
Jamie Barton, Sr. Environmental Health Specialist

**State of Idaho
Department of Environmental Quality**

Photo Log

Name of Facility:		Inspection Date		PW
NORTHERN LIGHTS		9/9/2008 (mm/dd/yyyy)		1090
Camera Type:	Camera Brand:	Camera Model:	Camera ID#:	
☒ Digital ☐ 35mm ☐ Other:	Olympus	C-700		

Photo:	Date:	By: (initials)	Direction: (N,S,E,W, etc.)	File Name:	Description:
	9/9/2008	JB			Well
	9/9/2008	JB			Instantaneous and totalizing flow meter
	9/9/2008	JB			Well discharge to reservoir and pump to waste
	9/9/2008	JB			Pressure tanks and air relief valve
	9/9/2008	JB			More pressure tanks and pressure switches
	9/9/2008	JB			Reservoir access and pumps
	9/9/2008	JB			Reservoir access and pumps
	9/9/2008	JB			Reservoir overflow
	9/9/2008	JB			Double check valve assembly between distribution and heat exchange syst



The photographers signature below signifies that the images identified on this photo log have not been tampered with and are representative of what was seen

Photographer(s) Signature(s):

Jamie Barton

Date: 9/25/2008

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in the field.