



State of Idaho

DEPARTMENT OF WATER RESOURCES

322 E FRONT ST STE 648 PO BOX 83720 • BOISE, ID 83720-0098

Phone: (208)287-4800 • Fax: (208)287-6700 • Website: www.idwr.idaho.gov

Brad Little
Governor

Gary Spackman
Director

August 6, 2021

SLO PROPERTIES LLC
62819 LOWER COVE RD
COVE OR 97824-8416

RE: Water Right Permit No. 65-23768

Dear Permit Holder(s):

The Department of Water Resources is reviewing the permit(s) referenced above prior to issuing water right license(s). By issuing a license, the Department confirms the extent of development that has been established in compliance with the terms of the permit.

The examiner who verified your water use reported that certain elements of the permit(s) have been developed differently than described on your permit(s). Changes that do not increase the authorized use of water under the permit(s) can be requested and approved in accordance with Idaho Code § 42-211. Before license(s) can be issued, your permit(s) must be amended to depict your water use as it was actually developed.

Based on the examiner's report, the following elements were developed differently than described on your permit(s):

☐ Point(s) of Diversion
☒ Place(s) of Use
☐ Other

The enclosed Application for Amendment form(s) depicts the elements of the water right(s) as they will appear on the license(s) when issued. Please review the amendment form(s) carefully. If you concur with the information presented, please sign and return the form(s) with the filing fee of \$100.00 within fourteen (14) days.

If you have any questions, please call me at (208) 287-4925.

Sincerely,

Phill Hummer
Water Rights Supervisor

Enclosure(s): Application for Amendment

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-23768
Exam Date: 1/16/2020

1. Current Owner:

SLO PROPERTIES LLC
62819 LOWER COVE RD
COVE, OR 97824-8416
(541) 910-5247

2. Accompanied by:

Luke Barreto, Manager
SLO Properties, LLC
Barreto Manufacturing, Inc.

Ryan, Employee
Barreto Manufacturing, Inc.

3. Source: Payette River**Tributary:** Snake River**Method of Determination:** Field Examination**B. OVERLAP REVIEW****1. Other water rights with the same place of use:**YES Overlap

Water Right No.	Source	Purpose of Use	Basis
65-2622	Payette River	Industrial Storage	Decreed
65-2706	Payette River	Industrial	Decreed
65-7040	Groundwater	Municipal	Decreed
65-7505	Groundwater	Municipal	Decreed
65-7769	Payette River	Municipal	Decreed

Comments: There are multiple POUs within the same QQ, but only those in the table above overlap the SLO Properties, LLC property.

2. Other water rights with the same point-of-diversion:NO Overlap

Water Right No.	Source	Purpose of Use	Basis
65-23768	Payette River	Fire Protection	Permit
65-10886	Payette River	Irrigation	Decreed
65-12563	Payette River	Power	License
65-2622	Payette River	Industrial Storage, Industrial from Storage, Diversion to Storage	Decreed
65-2684	Payette River	Irrigation	Decreed
65-2706	Payette River	Industrial	Decreed
65-2734	Payette River	Irrigation	Decreed
65-7635	Payette River	Irrigation	Decreed
65-7953	Payette River	Irrigation, Stock water	Decreed
65-8532	Payette River	Irrigation	Decreed
65-9015	Payette River	Irrigation	Decreed
65-9015A	Payette River	Irrigation	Decreed
65-10842	Payette River	Domestic	Decreed
65-22273	Payette River	Irrigation	Decreed
65-22274	Payette River	Irrigation	Decreed

Comments: There are multiple diversions along the Boise Cascade Power Canal diversion from the Payette River from which this permit diverts.

C. DIVERSION AND DELIVERY SYSTEM**1. Point(s) of Diversion:**

PAYETTE RIVER SW ¼ SW ¼, L5 Sec. 26, Twp 07N, Rge 02E, B.M.

Boise County

Method of Determination: Field examination

2. Place of Use: Use: Fire Protection

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
07N	02E	26										F Lot 6	F Lot 5						
07N	02E	27													F			F	

Total Acres: N/A

The NW ¼ of the SW ¼ Lot 6 and the SW ¼ of the SW ¼ Lot 5 of Section 26 were added to cover the warehouse and other buildings.

Method of Determination: Field examination, 2017 NAIP imagery, GIS

3. Supporting Documents:

- ☒ Delivery System Diagram Attached (required). Indicate all major components and distances between components.
☒ Indicate weir size/pipe as applicable.
☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
☒ Aerial Photo Attached (required for irrigation of 10+ acres).
☒ Photo of Diversion and System Attached

4. Diversion Pumps

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	The Lewis Allis Co. Induction Motor	125	2320555001	Peerless	145744
	General Motors – Diesel Power		353188	Peerless	J-28193
	Baldor Reliance Industrial Motor	3	F1407160227	Goulds Water Technology	H1403271

D. FLOW MEASUREMENTS**1. Equipment** N/A

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurement Description: No measurements were taken. A theoretical calculation was used.**E. FLOW CALCULATIONS**

☒ Additional Computation Sheets Attached

Measurements:

A theoretical calculation was done using the horsepower of the pump and psi from the system test in September.

Theoretical: 3.07 cfs

Permit authorizes 0.20 cfs

I recommend licensing 0.20 cfs as per the authorized permit rate.

F. VOLUME CALCULATIONS**1. Volume Calculations for irrigation:** N/A

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement})$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.}$$

2. Volume Calculations for Other Uses: N/A

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days}) \times 1.9835 =$$

G. NARRATIVE/REMARKS/COMMENTS

The pumps and motors in the fire protection system on this property are located in a pump house on the bank of the Boise Cascade Power Canal where it is first diverted from the Payette River. The land on which the pump house is located is not owned by the holder of this permit, but accessing the pump house is not a problem. The pumps in the fire protection system consist of a jockey pump, the main pump, and a back-up diesel-powered pump. Also in this pump house is a small 20 HP pump dedicated to irrigation use. The system was tested in September 2019 and the results are included in this report.

Under "normal" operating conditions, although a fire is not considered "normal", the jockey pump serves to prime the main electrical pump. Eight controllers based inside the warehouses and other buildings control the flow to sprinklers. The highest sprinkler is 25 feet above the elevation of the pump. There are also 5 operating hydrants scattered across the two parcels owned by SLO Properties.

The permitted place of use is the west parcel (next to Highway 55). Since the warehouse and buildings are located on the east parcel, the permit holder would like to add the portion in the SW quarter of Section 26. Therefore, we plan to do a licensing amendment.

Condition 185 was removed. It is impractical to contact the water master in the event of a fire emergency.

The right holder shall contact the watermaster by June 15 each year for authorization to continue diverting and using water. The right holder shall not divert water after June 15 each year unless the watermaster authorizes continued diversion and use of water under this water right. When the watermaster informs the right holder that water is not available to fill this right, the right holder shall cease diversion, shall rent water from the Payette River Rental Pool, or shall otherwise mitigate for the depletion of water caused by this water use. The department may amend the contact date listed in this administrative provision to more closely coincide with the date when water is not available to fill this water right.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Volume</u>
FIRE PROTECTION	1/1 - 12/31	0.20 CFS	

Totals: 0.20 CFS

2. Recommended Amendments:

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☒ None

I. AUTHENTICATION

Field Examiner's Name

Paula Dillon - GIS Analyst II

Date

2/21/2020

Reviewer

Dan Nelson, Water Right Analyst III

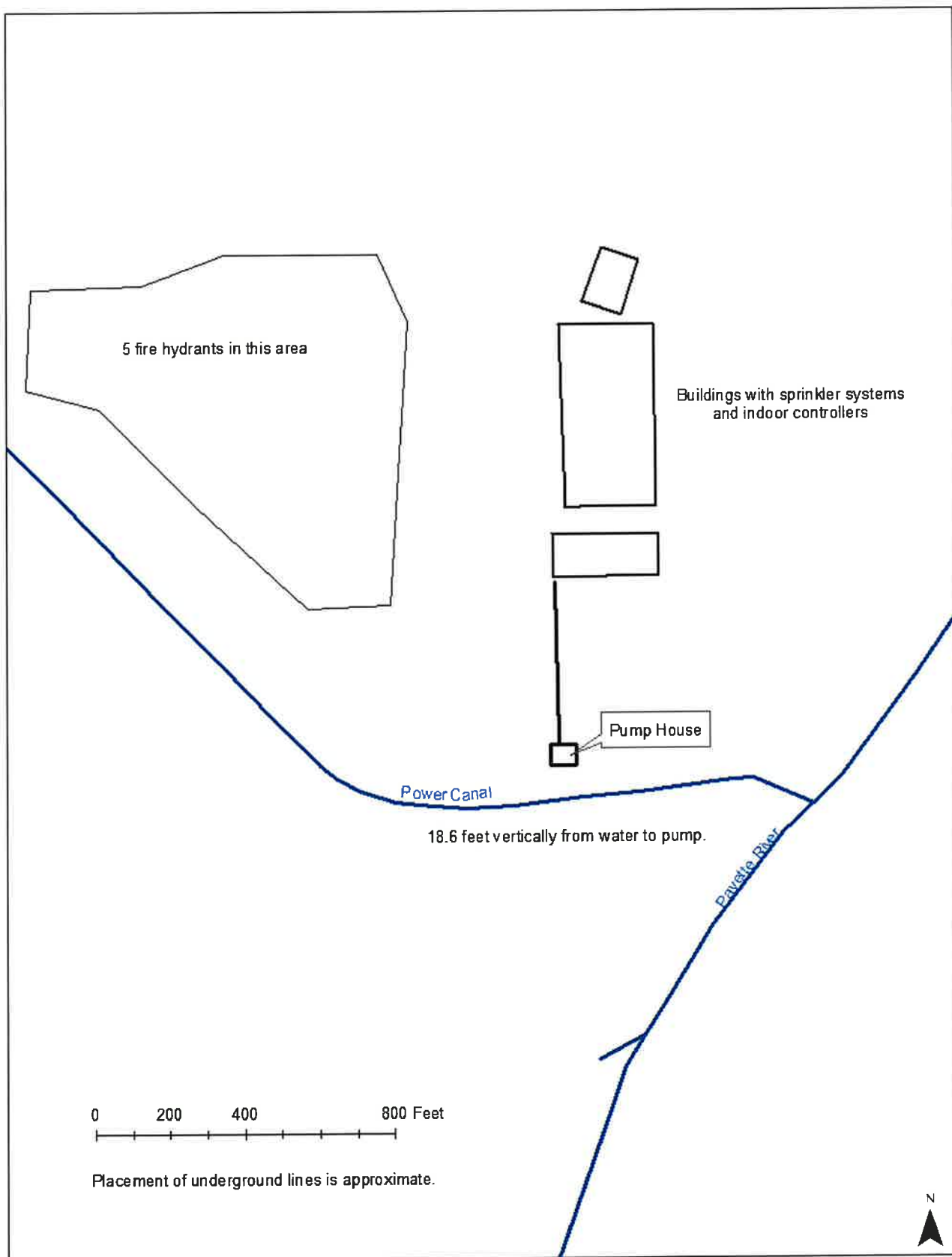
Date

2-27-2020

Map of POD and POU



System Diagram



THEORETICAL HORSEPOWER EQUATION WORKSHEET (p. 1/2)

Water Right No.: 65-23768
 Reviewer: Paula Dillon
 Date of Review: 2/19/2020

P.D. No.:

PUMP HORSEPOWER
 BOOSTER HORSEPOWER

PUMPING LEVEL

DISCHARGE PRESSURE

RATE OF FLOW (cfs)

Main Pump
125
20
100
3.07
1377

The above calculates the formula =

$$Q = \frac{8.8 \times (\text{Efficiency}) \times \text{hp}}{\text{depth to water} + 2.31' \text{ (psi) - friction}}$$

Assumptions: ± 70 efficiency.
 No Friction

Examiner's Notes:

The inputs in this spreadsheet were taken from the system test that was performed in September 2019. The system was tested with air and the psi was measured. These results are within the pump ratings.

Photos



Controller inside main warehouse.



Primary fire protection pump in pump house.



Jockey pump for primary pump on the right.



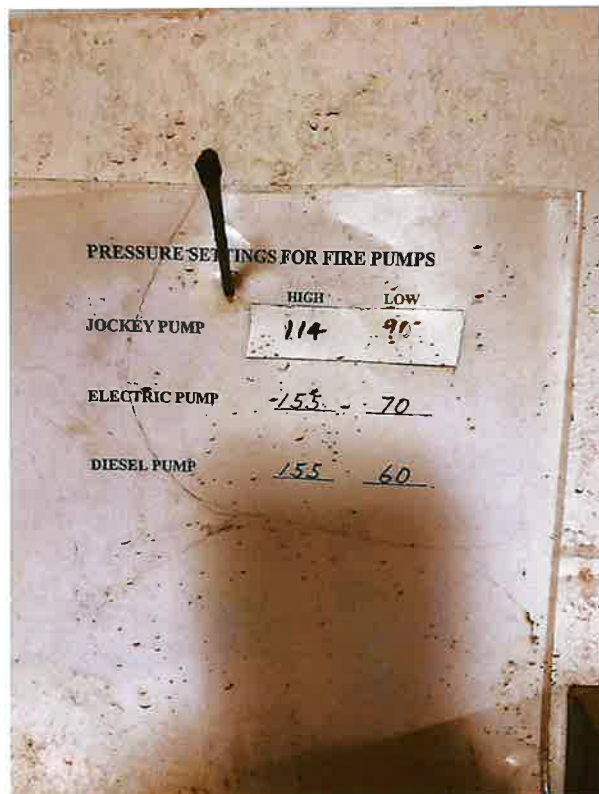
Diesel motor and pump for fire protection system.



Diesel motor.



Diesel fuel tank.



Pressure range settings for pumps.



Viking Automatic Sprinkler Co.
2022 N Elder Street
Nampa, ID 83687

Phone: 208-888-2762 Fax: 208-888-5521
vikingsprinkler.net

Report of Inspection, Testing & Maintenance of Automatic Fire Sprinkler Systems

"Inspection, testing and maintenance of the sprinkler system is in accordance with procedures meeting those established in the most current edition of NFPA 25 Standard and in accordance with the manufacturer's instructions. NFPA 25 establishes minimum requirements and assumes that the design and installation of the fire protection systems are in accordance with the applicable local and NFPA standards in effect at the time of the installation. This is not an evaluation to conclude that the hazard being protected is more severe than originally designed, that the system is improperly installed or if the design or installation deficiency results in inadequate protection.

The scope of the inspection work may vary depending on the agreement in place for this specific property."

PROPERTY NAME: SLO PROPERTIES LLC
PROPERTY ADDRESS: 125 MILL RD.
CITY, STATE, ZIP: HORSESHOE BEND, ID 83629
INSPECTORS NAME: DOUG GRASMICK CERTIFICATION #:
JOB NUMBER: IMI-9403 DATE OF INSPECTION: 8-19-19

☒ Annual ☐ Semi-Annual ☐ Quarterly ☐ Monthly ☐ 5 Year

TYPE OF SPRINKLER SYSTEM & QUANTITY OF EACH?

WET 8 DRY PREACTION DELUGE STANDPIPE

SPRINKLER COVERAGE?

X ENTIRE PARTIAL BASEMENT EGRESS

IS THE BUILDING OCCUPIED? YES ☒ NO ☐

MONITORED BY CENTRAL STATION? N/A NAME OF MONITORING COMPANY? UNKNOWN

1. GENERAL

	YES	N/A	NO
a. Hydraulic nameplate for hydraulically designed system attached securely to riser & legible? If yes, see page 6.	☐	☒	☐
b. Sprinkler piping free of items resting on the pipe or being hung from the pipe?	☒	☐	☐
c. Pipe and fittings in good condition and free of mechanical damage, leakage, and corrosion?	☒	☐	☐
d. Hangers and seismic bracing not damaged or loose?	☒	☐	☐
e. Prior to the onset of freezing weather, were all accessible areas of the building inspected to verify adequate heat (at or above 40°F) to prevent water filled sprinkler piping from freezing?	☐	☒	☐
f. Antifreeze system tested? If yes, see page 6.	☐	☒	☐
g. Prior to the onset of freezing weather, were low points drained in dry pipe, preaction and deluge systems?	☐	☒	☐
h. Are all gauges in good condition?	☒	☐	☐
i. Are all gauges on the system showing normal pressures?	☒	☐	☐

2. SPRINKLERS		YES	N/A	NO
a.	Heads free from paint, corrosion, foreign materials and physical damage?	☒	☐	☐
b.	Proper sprinkler orientation?	☒	☐	☐
c.	Proper clearances maintained below all heads?	☒	☐	☐
d.	Proper number and type of spare heads available in cabinet?	☒	☐	☐
e.	Sprinkler wrench(s) available for each type of head?	☒	☐	☐
f.	Any heads manufactured prior to 1920? If yes, heads shall be replaced.	☐	☒	☐
g.	Any heads in service for more than 75 years? If yes, replace or test representative samples at 5 year intervals.	☐	☒	☐
h.	Any heads in service for more than 50 years? If yes, replace or test representative samples at 10 year intervals.	☒	☐	☐
i.	Any fast-response heads in service for more than 20 years? If yes, replace or test representative samples at 10 year intervals.	☐	☒	☐
j.	Any dry heads in service for more than 10 years? If yes, replace or test representative samples at 10 year intervals.	☐	☒	☐
k.	Any solder-type heads with extra-high temperature classification (or higher), exposed to maximum allowable temperatures? If yes, test at 5 year intervals.	☐	☒	☐
3. ALARM DEVICES		YES	N/A	NO
a.	Inspected and free of physical damage?	☒	☐	☐
b.	Waterflow devices tested?	☐	☐	☒
c.	Supervisory signal devices tested?	☐	☒	☐
4. VALVES, GENERAL		YES	N/A	NO
a.	Are all valves properly labeled? (main drain, control valve, inspector's test, etc.)	☒	☐	☐
b.	Are valves accessible?	☒	☐	☐
c.	Are all valves in their normal open or closed position and free of physical damage?	☐	☒	☐
d.	Normally open control valves secured by means of a seal or lock, or electrically supervised?	☐	☒	☐
e.	Normally closed control valves secured by means of a seal or electrically supervised?	☐	☒	☐
f.	Valves free from external leaks?	☒	☐	☐
g.	Operating stems of outside screw and yoke valves lubricated?	☐	☒	☐
h.	Has each control valve been operated through its full range and returned to its normal position?	☐	☒	☐
i.	Main drain test conducted at each water-based fire protection system riser? If yes, see page 6.	☒	☐	☐
j.	Partial flow test conducted on pressure reducing valves and relief valves? If yes, see PRV test attachment.	☐	☒	☐
k.	Full flow test conducted on each master pressure reducing valves?	☐	☒	☐
5. PREACTION VALVES AND DELUGE VALVES		YES	N/A	NO
(If applicable, see preaction attachment)				
a.	Valve enclosures equipped with low temp alarms inspected?	☐	☒	☐
b.	Low temperature alarms, if installed in valve enclosures, inspected and tested?	☐	☒	☐
c.	Low air pressure alarms tested?	☐	☒	☐

5. PREACTION VALVES AND DELUGE VALVES (continued)	YES	N/A	NO
d. Gauges that monitor the detection system pressure, if provided, testing to verify normal pressure is being maintained?	☐	☒	☐
e. Priming water level in supervised preaction system tested?	☐	☒	☐
f. Preaction valve trip tested with the control valve partially open?	☐	☒	☐
g. Deluge valve trip tested at full flow in warm weather and in accordance with the manufacturer's instructions?	☐	☒	☐
h. Inspection of preaction or deluge valve interior and the condition of detection devices when trip conducted?	☐	☒	☐
i. Automatic air pressure maintenance devices tested at time of preaction or deluge valve trip test?	☐	☒	☐
j. Manual actuation devices operated?	☐	☒	☐
6. DRY PIPE VALVES/QUICK OPENING DEVICES (If applicable, see page 6)	YES	N/A	NO
a. Valve enclosures equipped with low temp alarms inspected?	☐	☒	☐
b. Low temperature alarms, if installed valve enclosures, inspected and tested?	☐	☒	☐
c. Low air pressure alarms tested?	☐	☒	☐
d. Priming water tested?	☒	☐	☐
e. Are all gauges indicating proper pressures and ratios?	☒	☐	☐
f. Each dry pipe valve trip tested in warm weather with control valve partially open?	☒	☐	☐
g. Dry pipe valve interior inspected when trip test conducted?	☐	☒	☐
h. Was the interior of the dry pipe valve cleaned thoroughly, and parts repaired or replaced as necessary?	☐	☒	☐
i. Automatic air pressure maintenance devices tested at time of dry pipe valve trip test?	☐	☒	☐
j. Quick-opening devices, if provided, tested?	☐	☒	☐
7. WATER STORAGE TANKS	YES	N/A	NO
a. Exterior inspection of tank, supporting structure, vents, foundation, catwalks or ladders?	☐	☒	☐
b. Exterior painted, coated, or insulated surfaces of the tank and supporting structures inspected for signs of degradation?	☐	☒	☐
c. Expansion joints inspected?	☐	☒	☐
d. Tank full or at the designated water level?	☐	☒	☐
e. High and low water level alarms tested?	☐	☒	☐
f. Automatic tank fill valves inspected and tested?	☐	☒	☐
g. Strainers cleaned?	☐	☒	☐
h. Water temperature checked and maintained at or above 40°F?	☐	☒	☐
i. Heating system inspected and tested?	☐	☒	☐
j. Low water temperature alarms tested?	☐	☒	☐
k. High water temperature limit switches on tank heating system tested when heating system is in service?	☐	☒	☐
l. Air pressure in pressure tank inspected?	☐	☒	☐
8. FIRE DEPARTMENT CONNECTIONS	YES	N/A	NO
a. Visible and accessible?	☐	☒	☐
b. Couplings or swivels not damaged and rotate smoothly?	☐	☒	☐

8. FIRE DEPARTMENT CONNECTIONS (continued)

- c. Plugs or caps in place and undamaged?
- d. Gasket in place and in good condition?
- e. Identification signs in place?
- f. Check valve(s) not leaking?
- g. Automatic drain valve in place and operating properly?
- h. Clapper(s) in place and operating properly?

YES	N/A	NO
☐	☒	☐
☐	☒	☐
☐	☒	☐
☐	☒	☐
☐	☒	☐
☐	☒	☐

9. HOSE STATIONS

- a. Nozzle(s) inspected to verify waterway is clear of obstructions, and all parts operate correctly and are undamaged?
- b. Hose valves inspected and caps in place if necessary?
- c. Was the hose removed, inspected and returned to the correct stored position?
- d. Hose record maintained or tag fastened correctly with complete information?
- e. Are all hoses/lined? If not, the hose shall be replaced with a lined fire hose.
- f. What date was the hose manufactured?
- g. When was the hose last service tested? Test 5 years from date of manufacture and every 3 years thereafter (or replace hose every 5 years).

YES	N/A	NO
☐	☒	☐
☐	☒	☐
☐	☒	☐
☐	☒	☐
☐	☒	☐
☐	☒	☐

10. 3 YEAR REQUIREMENTS

- a. **Hose Valves on Hose Stations:** Tested by opening and closing?
- b. **Preaction Valves:** Trip tested with control valve fully open?
- c. **Water storage tanks without corrosion protection (unlined):** Internal inspection performed?
- d. Was a full trip performed on the dry system?

YES	N/A	NO
☐	☒	☐
☐	☒	☐
☐	☒	☐
☒	☐	☐

11. 5 YEAR REQUIREMENTS

- a. Internal inspection of piping and branch line conditions?
- b. Have all gauges been tested, calibrated or replaced?
- c. Internal inspection performed on check valves?
- d. **Preaction and Deluge valves:** Internal inspection and maintenance performed on valves that can be reset without removal of a faceplate? If applicable, see Preaction & Deluge attachment.
- e. **Dry pipe valves/quick opening devices:** Internal inspection performed on strainers, filters, and restricted orifices? If applicable, see page 7.
- f. **Pressure reducing valves and relief valves:** Full flow test performed on each valve? If applicable, see PRV test attachment.

YES	N/A	NO
☐	☐	☒
☐	☐	☒
☐	☐	☒
☐	☒	☐
☐	☒	☐
☐	☒	☐

DEFICIENCIES FOUND DURING INSPECTION:

3-B) THE WATER MOTOR GONGS DID NOT WORK ON SYSTEMS 4, 6, 7 & 9.

2-H) SPRINKLERS IN McCALL SHED APPEAR TO BE MORE THAN 50 YEARS OLD.

11 A-C) NO RECORD OF A 5 YEAR TEST & INTERNAL INSPECTION BEING DONE IN THE LAST 5 YEARS.
THIS WILL NEED TO BE PERFORMED PER NFPA 25 REQUIREMENTS.

DEFICIENCIES CORRECTED:

NOTES:

ALL LOW POINT DRAINS, P.I.V. VALVES AND HYDRANTS ARE CHECKED BY IN-HOUSE MAINTENANCE.
NO F.D.C.

ALL SYSTEMS WERE RESET BY IN HOUSE MAINTENANCE.

FULL TRIP ON DRY SYSTEM WAS DONE. THE NEXT ONE IS DUE IN 2022.

*1-A) NO VISIBLE CALC PLATE.

WARNING: DRY SYSTEMS LOW POINT DRAINS MUST BE COMPLETELY DRY BEFORE FREEZING WEATHER!

HAS THE BUILDING OWNER/REPRESENTATIVE BEEN NOTIFIED OF ANY DEFICIENCIES?

YES ☒ NO ☐

IF YES, WHO WAS NOTIFIED? URIAH WOMACK

IF NO, WHY WAS THE OWNER/REPRESENTATIVE NOT NOTIFIED? _____

HYDRAULIC DESIGN INFORMATION

SYSTEM	DENSITY – GALLONS	AREA - FEET
1-A) NO VISIBLE CALC PLATE		

ANTIFREEZE TEST

ANTIFREEZE TYPE	FREEZING TEMP / SOLUTION	FREEZING TEMP CORRECT?
N/A	°	
	°	
	°	
	°	
	°	
	°	
	°	
	°	
	°	

MAIN DRAIN TEST

SYS. #	MAKE, MODEL & YEAR	LOCATION	SIZE OF PIPE	STATIC	RESIDUAL	RESUME
N/A	DRY SYSTEMS ONLY					

FORWARD FLOW TEST

SYSTEM	TYPE	STATIC	FLOW	GPM
N/A				

DRY PIPE TRIP TEST

	SYSTEM #4	SYSTEM #5	SYSTEM #6	SYSTEM #7
Size, make, model & year of manufacture	4" VIKING F1 1996	6" VIKING D1 1978	6" VIKING C2 1974	6" VIKING C2 1974
Controls sprinklers in?	AMMO SHOP	SAWMILL SHED	MAIN BUILDING	MAIN BUILDING
Pressure (lb) Air	54	45	49	46
Before test Water	111	136	124	133
Control valve wide open?	YES	YES	YES	YES
If not, how many turns?	--	--	--	--
Operated at: Air Pressure (lb)	24	18	25	24
Time (min., sec.)	27 SEC	57 SEC	45 SEC	56 SEC
Operation: Satisfactory, Partly Satisfactory or failed?	☒ Satisfactory ☐ Partly Sat. ☐ Failed	☒ Satisfactory ☐ Partly Sat. ☐ Failed	☒ Satisfactory ☐ Partly Sat. ☐ Failed	☒ Satisfactory ☐ Partly Sat. ☐ Failed
Reason for failure or partly satisfactory?	N/A	N/A	N/A	N/A
Valve reset dry?	YES	YES	YES	YES
Condition: Interior of body	OK	OK	OK	OK
Condition: Water from test pipe	N/A	N/A	N/A	N/A
Condition: Moving parts	OK	OK	OK	OK
Condition: Seats	OK	OK	OK	OK
Condition: Rubber facing	OK	OK	OK	OK
Main drain flow test: Static	128	135	124	133
Residual	105	122	112	125
Time for water to inspectors test	42	80	62	70
Alarm tested	NO	YES	NO	NO

QUICK OPENING DEVICES

	SYSTEM #	SYSTEM #	SYSTEM #	SYSTEM #
Make, model & year	N/A	N/A	N/A	N/A
Operation: Satisfactory, Shut Off or Failed?	☐ Satisfactory ☐ Shut Off ☐ Failed	☐ Satisfactory ☐ Shut Off ☐ Failed	☐ Satisfactory ☐ Shut Off ☐ Failed	☐ Satisfactory ☐ Shut Off ☐ Failed

DRY PIPE TRIP TEST

	SYSTEM #8	SYSTEM #9	SYSTEM #10	SYSTEM #11
Size, make, model & year of manufacture	6" VIKING C2 1974	6" VIKING C2 1974	6" RELIABLE C1 1959	6" RELIABLE C1 1959
Controls sprinklers in?	MAIN BLDG.	MAIN BLDG.	McCALL SHED	McCALL SHED
Pressure (lb) Air	44	58	40	47
Before test Water	125	115	127	142
Control valve wide open?	YES	YES	YES	YES
If not, how many turns?	--	--	--	--
Operated at: Air Pressure (lb)	26	27	23	18
Time (min., sec.)	41 SEC	59 SEC	18 SEC	18 SEC
Operation: Satisfactory, Partly Satisfactory or failed?	☒ Satisfactory ☐ Partly Sat. ☐ Failed	☒ Satisfactory ☐ Partly Sat. ☐ Failed	☒ Satisfactory ☐ Partly Sat. ☐ Failed	☒ Satisfactory ☐ Partly Sat. ☐ Failed
Reason for failure or partly satisfactory?	N/A	N/A	N/A	N/A
Valve reset dry?	YES	YES	YES	YES
Condition: Interior of body	OK	OK	OK	OK
Condition: Water from test pipe	OK	OK	OK	PLUGGED
Condition: Moving parts	OK	OK	OK	OK
Condition: Seats	OK	LEAKING	OK	OK
Condition: Rubber facing	OK	OK	OK	OK
Main drain flow test: Static	125	115	127	142
Residual	115	115	115	115
Time for water to inspectors test	55 SEC	72 SEC	25 SEC	64 SEC
Alarm tested	YES	NO	YES	YES

QUICK OPENING DEVICES

	SYSTEM #	SYSTEM #	SYSTEM #	SYSTEM #
Make, model & year	N/A	N/A	N/A	N/A
Operation: Satisfactory, Shut Off or Failed?	☐ Satisfactory ☐ Shut Off ☐ Failed	☐ Satisfactory ☐ Shut Off ☐ Failed	☐ Satisfactory ☐ Shut Off ☐ Failed	☐ Satisfactory ☐ Shut Off ☐ Failed



2022 N Elder Street, Nampa, ID 83687

FIRE PUMP

SLO PROPERTIES, LLC
125 MILL ROAD, HORSESHOE BEND, ID 83629
IMI-9403

DATE: 9/8/19 Tech: MIKE GREENE
NICK VALENTINE

PUMP MFR/SERIAL NO. PEERLESS / 145744
MOTOR MFR/SERIAL NO. INDUCTION / 2320555001
CONTROLLER MFR/SERIAL NO. CUTLER / HAMMER 18267603
PUMP TYPE & SIZE VERTICAL / 14MA
PUMP RATING (GPM)/PSI 1500 (GPM) 104 (PSI)
HP/RPM 109 (HP) 1770 (RPM)
VOLTS 220 / 440 PHASE 3 HERTZ 60
UNDERGROUND SUCTION PRESSURE 0 PSI
MAX PUMP OUTPUT @ 0 GPM 139.5 PSI
150% CAP @ 65% RATED HEAD 2250 (GPM) 67.6 (PSI)
FIRE PUMP CONTROL PRESSURE SWITCH SETTING ON 70 (PSI) OFF 130 (PSI)
JOCKY PUMP CONTROL PRESSURE SWITCH SETTING ON 90 (PSI) OFF 115 (PSI)
FIRE PUMP RUN TIMER SETTING 10 (MIN)
JOCKY PUMP RUN TIMER SETTING PSI (MIN)
HEIGHT OF HIGHEST SPRINKLER OR NOZZLE ABOVE PUMP 25 (FT)
10-AUTOMATIC STARTS -- 10-MANUAL STARTS --

GPM	PITO	SUCTION (PSI)	DISCHARGE (PSI)	DIFF (PSI)	RPM
0	0	0	145	147	1770
RATED 20 1500 / 104 PSI (2)		0	110	91	1783
		0	100	55	1780
150% 20 2250 / 67.7 (3)		NO FLOW DUE TO LACK OF WATER			

NOTES:

JOCKEY PUMP ON @ 78 PSI, OFF AT 115 PSI

MEMORANDUM

TO: Water Right Permit File 65-23768

FROM: Daniel A. Nelson

DATE: November 7, 2019

SUBJECT: Review to Determine if In-house Field Exam Can Be Done

In review of this information provided in the permit review, I am not comfortable performing an in-house examination on this permit. The point of diversion is a shared point of diversion, and no measurements or calculations were used to determine the amount of fire protection required other than an email from the applicant's attorney. Due to these factors, I think it would be best to perform a field examination on this permit to ensure what is actually happening at the place of use.