SITE survey. APP

SITE SURVEY REPORT

Fire Pump Inspection

Prepared for	Sierra Crossing Logistics LLC
Date	6 Oct 2026
Site	Sierra Crossing Distribution Center, Reno, NV
Prepared by	K. Halvorsen

FORM

Fire Pump Inspection

1. Site and visit

Project	Sierra Crossing Distribution Center, Reno, NV: monthly fire pump test (completed example)
Site address	9450 Truckee Meadows Parkway, Reno, NV 89506
Client or owner	Sierra Crossing Logistics LLC
Location (GPS)	39.6215, -119.8478
Inspection date	6 Oct 2026
Inspected by	K. Halvorsen
Building use	Warehouse, high-piled storage
Service company	Washoe Fire Protection Services LLC
Licence or certificate number, if your state or city issues one	NV-CERT-EXAMPLE-07
Rules you work to	United States: NFPA 25 as adopted by the AHJ, and the maker
Type of visit	Monthly no-flow (churn) test
Frequency required for this test	Monthly, 10-minute run (electric pump, AHJ and insurer schedule)

What this is. A record of the inspection and test of each fire pump and jockey pump on site, with readings, defects and actions. Frequencies, run times and acceptance values come from the edition of NFPA 25 your authority having jurisdiction (AHJ) adopts, the pump and driver maker, and your insurer; the form quotes none of them as its own. It does not certify the pump.

Example of a state rule. The California Title 19 fire pump forms (published by the City of Oxnard) list a weekly no-flow run of 30 minutes for a diesel pump, a monthly no-flow run of 10 minutes for an electric pump, and an annual flow test at churn, 100 percent and 150 percent of rated flow against the pump curve. They say the maker's recommendations are used where available. Other jurisdictions and editions differ, so enter the frequency that applies to you.

2. Pump rooms and pumps

Pump rooms 1: Fire pump room, north wall

Pump room	Fire pump room, north wall
Room temperature (F)	62
Pump room heated and above the minimum temperature you work to	Acceptable

Ventilating louvers free to operate	Acceptable
Access to the pump room clear, lit and secure	Acceptable
Suction, discharge and bypass valves open and supervised	Acceptable
Normally closed valves closed (test header, flow meter)	Acceptable
Piping free of leaks	Acceptable
Suction supply full (tank or reservoir) or city supply in service	Acceptable

Pumps in this room 1: Fire pump 1

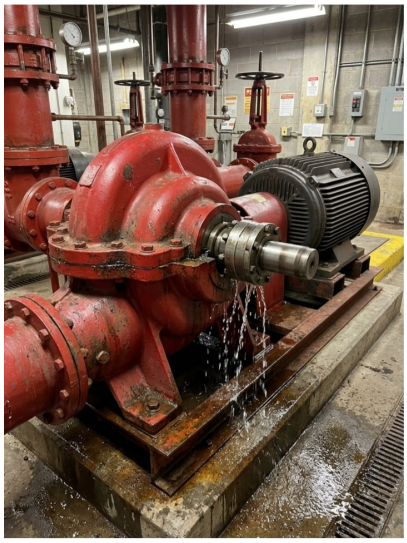
Pump	Fire pump 1
Driver	Electric motor
Pump make and model	Example Pumps HSC 1000 horizontal split case (example)
Serial number	EX-FP-0001
Rated flow (gpm)	1000
Rated pressure (psi)	100
Rated speed (rpm)	1770
Suction gauge, pump not running (psi)	58
System or discharge gauge, pump not running (psi)	158
Controller: power on, no alarm or trouble lights	Acceptable
Controller selector switch in auto	Acceptable
Packing gland: slight discharge with the pump not running	Acceptable
Pump, driver and coupling: no damage, leaks or loose guards	Acceptable

No-flow (churn) test. Enter the acceptance values from the maker, the pump acceptance test or your AHJ, then the readings.

Required run time (minutes)	10
Acceptable churn discharge: from (psi)	160
to (psi)	175

Pump started at (psi)	139
Time to full speed (seconds)	4
Run time (minutes)	10
Suction pressure running (psi)	55
Discharge pressure running (psi)	168
Net churn pressure (psi)	113
Speed (rpm)	1784
Packing gland while running	Too much water
Noise, vibration, bearing or casing heat	None unusual
Circulation or pressure relief valve	Operating properly
Tag	Tag updated today
Pump status	In service: defects to fix
What was found and done	Churn test run for 10 minutes on the monthly schedule. Outboard packing gland running a steady stream rather than a drip, with water across the base plate into the drain. Gland nuts taken up a quarter turn each; still running too much. Packing likely worn: repack at the next visit. Pump stays in service.

Photos (nameplate, gauges, controller, gland, defects)



Pump result	Action needed

Pumps in this room 2: Jockey pump

Pump	Jockey pump

Driver	Jockey (pressure maintenance) pump
Pump make and model	Example Pumps JP-5 vertical multistage (example)
Serial number	EX-JP-0002
Jockey pump start pressure (psi)	150
Jockey pump stop pressure (psi)	160
Jockey pump	Starts and stops at its settings
Tag	Tag updated today
Pump status	In service
What was found and done	Started at 150 psi and stopped at 160 psi when the drain was cracked. No short cycling seen in the controller log.

Photos (nameplate, gauges, controller, gland, defects)



Pump result	No defects found
Pumps inspected	2
Pumps out of service	0
Pump room items needing action	0
Pump items needing action	1

3. Result, actions and sign-off

Items needing action	1
Result	Action needed before sign-off

Actions 1: Repack the outboard packing gland on Fire pump 1 and check for a slight drip on the next churn run.

Action	Repack the outboard packing gland on Fire pump 1 and check for a slight drip on the next churn run.
Priority	Within 7 days
Who will do it	K. Halvorsen, Washoe Fire Protection
Due by	13 Oct 2026
Status	Open
Actions still open	1
Decision	In service: defects to fix
Next test due	3 Nov 2026
Summary for the client	Monthly churn test on the electric fire pump: started at 139 psi, ran 10 minutes, discharge 168 psi within the 160 to 175 psi acceptance range. The outboard packing gland is running too much water and needs repacking; the pump stays in service. Jockey pump starts and stops at its settings. Alarm company told before and after the run.
Inspector name	K. Halvorsen
Inspector signature	
Client or facility manager name	B. Nakamura
Client or facility manager signature	