DOCKETED	
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Project Title:	Abengoa Mojave Compliance
TN #:	261686
Document Title:	Segment 002 of COMPLIANCE7-08-00 Mojave Solar Project 2024 Annual Compliance Report (09-AFC-5C)
Description:	N/A
Filer:	Mahnaz Ghamati
Organization:	Abengoa Solar
Submitter Role:	Applicant
Submission Date:	2/11/2025 8:47:57 AM
Docketed Date:	2/11/2025

Mojave Solar LLC
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Appendix H

Air Quality 45

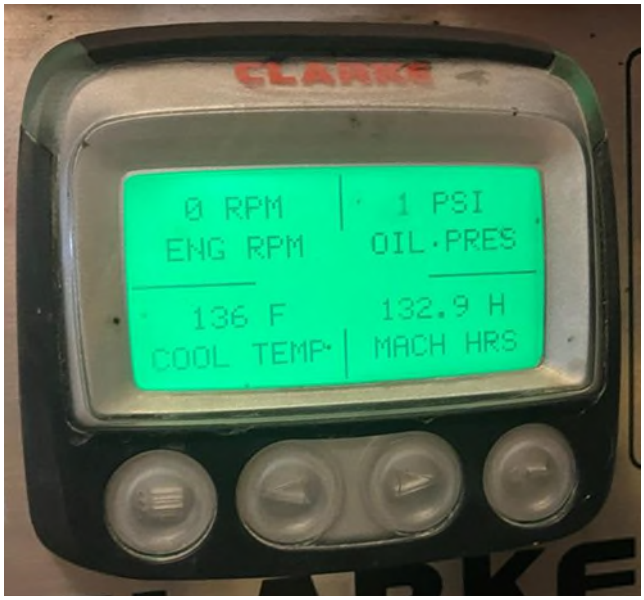
Diesel Fire Pump Engine Fuel and Time of Use Records

2024 Panel Pictures of Diesel-Driven Fire Pump

AQ45

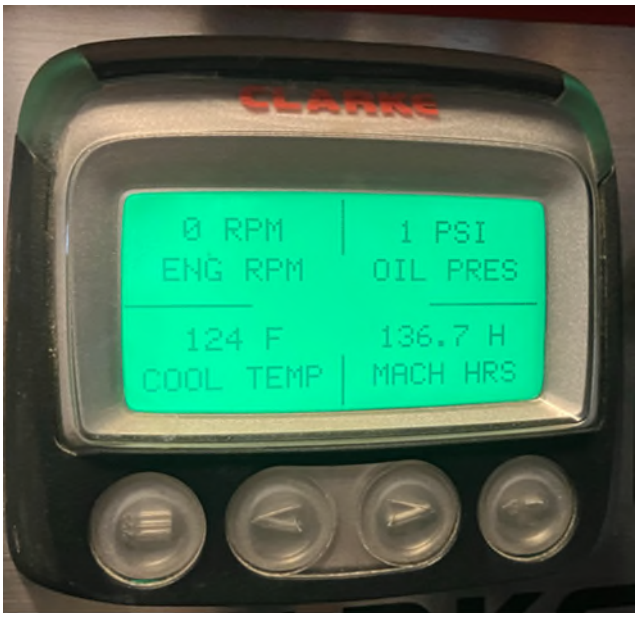
Alpha

E011042



Beta

E011043



Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 1/24/24 Operator Diego R.

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	0	O/C	✓	Y☐ N☑	
2	SG Unit 2	B1-2	110	O/C	✓	Y☐ N☑	
3	Reheaters	B1-3	0	O/C	✓	Y☐ N☑	
4	Rack 2 West HTF	B1-4	150	O/C	✓	Y☐ N☑	
5	Rack 2 East HTF	B1-5	90	O/C	✓	Y☐ N☑	
6	North Steel Pro	B1-6	155	O/C	✓	Y☐ N☑	
7	HTF Pumps	B1-7	0	O/C	✓	Y☐ N☑	
8	HTF Heaters	B1-8	115	O/C	✓	Y☐ N☑	
9	South Steel Pro	B1-9	130	O/C	✓	Y☐ N☑	
10	Lube Oil	B1-10	170	O/C	✓	Y☐ N☑	
11	Turbine Hose Stations	B1-11	50	O/C	✓	Y☐ N☑	
12	Turbine Bearings	B1-12	0	O/C	✓	Y☐ N☑	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	145	O/C	✓	Y☑ N☐	
2	Ullage Area	B2-2	150	O/C	✓	Y☑ N☐	
3	Ullage Structure	B2-11	140	O/C	✓	Y☑ N☐	
4	Rack 1 Middle Area	B2-5	160	O/C	✓	Y☑ N☐	
5	Overflow Tanks	B2-9	155	O/C	✓	Y☑ N☐	
6	Rack 1 South Area	B2-6	145	O/C	✓	Y☑ N☐	
7	Rack 1 West	B2-7	185	O/C	✓	Y☑ N☐	
8	Rack 1 North Area	B2-4	150	O/C	✓	Y☑ N☐	
9	Over flow AFFF	B2-8	160	O/C	✓	Y☑ N☐	
10	Expansion Vessel AFFF	B2-3	155	O/C	✓	Y☐ N☑	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	100	O/C	✓	Y☑ N☐	
2	Transformer Main	130	O/C	✓	Y☑ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Cooling Tower West Side	140	O/C	✓	Y☑ N☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	160	O/C	✓	Y☑ N☐	
2	Offices	B4-3	140	O/C	✓	Y☑ N☐	
3	Electrical Room	B4-4	140	O/C	✓	Y☑ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☑ N☐	O/C	
2	Bearing 3	Y☑ N☐	O/C	
3	Bearing 4	Y☑ N☐	O/C	
4	Bearing 5	Y☑ N☐	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☐ N☑	O/C	
2	MP-200A	Y☐ N☑	O/C	
3	MP-200B	Y☑ N☐	O/C	
4	MP-200C	Y☑ N☐	O/C	
5	MP-200D	Y☐ N☑	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	145	O	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C			
2	Maintenance Shop Drive Way #8	O/C			
3	West Side Power Block by VS-3 # 9	O/C			
4	West Side Power Block by VS-1 # 10	O/C			
5	West Side Cooling Tower by VS-4 # 11	O/C			
6	West side Cooling Tower by VS-4 # 12	O/C			
7	N.W. Corner Chemical Storage #1	O/C			
8	N.E. Corner Chemical Storage # 2	O/C			
9	East Side W.T. by Multimedia Filters # 3	O/C			
10	East Side W.T. by Multimedia Filters # 5	O/C			
11	North Side Bldg 10 # 6	O/C			
12	Between MP-444's and Water Treat # 4	O/C			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☑	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☒ BETA: ☐ Date: 1/21/24 Operator Erick

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1		O/C ✓	✓	Y☐ N☒	
2	SG Unit 2	B1-2		O/C ✓	✓	Y☐ N☒	
3	Reheaters	B1-3		O/C ✓	✓	Y☐ N☒	
4	Rack 2 West HTF	B1-4		O/C ✓	✓	Y☐ N☒	PIV Secured
5	Rack 2 East HTF	B1-5		O/C ✓	✓	Y☐ N☒	
6	North Steel Pro	B1-6		O/C ✓	✓	Y☐ N☒	
7	HTF Pumps	B1-7		O/C ✓	✓	Y☐ N☒	
8	HTF Heaters	B1-8		O/C ✓	✓	Y☐ N☒	
9	South Steel Pro	B1-9		O/C ✓	✓	Y☐ N☒	
10	Lube Oil	B1-10		O/C ✓	✓	Y☐ N☒	
11	Turbine Hose Stations	B1-11		O/C ✓	✓	Y☐ N☒	
12	Turbine Bearings	B1-12		O/C ✓	✓	Y☐ N☒	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	160	✓O/C	✓	Y☐ N☒	
2	Ullage Area	B2-2	160	✓O/C	✓	Y☒ N☐	
3	Ullage Structure	B2-11	160	✓O/C	✓	Y☒ N☐	
4	Rack 1 Middle Area	B2-5	160	✓O/C	✓	Y☒ N☐	
5	Overflow Tanks	B2-9	155	✓O/C	✓	Y☒ N☐	
6	Rack 1 South Area	B2-6	160	✓O/C	✓	Y☐ N☐	
7	Rack 1 West	B2-7	160	✓O/C	✓	Y☒ N☐	
8	Rack 1 North Area	B2-4	160	✓O/C	✓	Y☒ N☐	
9	Over flow AFFF	B2-8	155	✓O/C	✓	Y☒ N☐	AFFF Secured
10	Expansion Vessel AFFF	B2-3	155	✓O/C	✓	Y☒ N☐	AFFF Secured.

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	110	✓O/C	✓	Y☒ N☐	
2	Transformer Main	135	✓O/C	✓	Y☒ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	160	✓O/C	✓	Y☒ N☒	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	160	✓O/C	✓	Y☒ N☐	
2	Offices	B4-3	160	✓O/C	✓	Y☒ N☐	
3	Electrical Room	B4-4	166	✓O/C	✓	Y☒ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☒ N☐	✓O/C	
2	Bearing 3	Y☒ N☐	✓O/C	
3	Bearing 4	Y☒ N☐	✓O/C	
4	Bearing 5	Y☒ N☐	✓O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☐ N☒	✓O/C	
2	MP-200A	Y☐ N☒	✓O/C	
3	MP-200B	Y☒ N☐	✓O/C	
4	MP-200C	Y☒ N☐	✓O/C	
5	MP-200D	Y☐ N☒	✓O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	165	O	Y☒ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C ✓			
2	Maintenance Shop Drive Way #8	O/C ✓			
3	West Side Power Block by VS-3 # 9	✓O/C			
4	West Side Power Block by VS-1 # 10	O/C ✓			
5	West Side Cooling Tower by VS-4 # 11	O/C ✓			
6	West side Cooling Tower by VS-4 # 12	✓O/C			
7	N.W. Corner Chemical Storage #1	✓O/C			
8	N.E. Corner Chemical Storage # 2	✓O/C			
9	East Side W.T. by Multimedia Filters # 3	✓O/C			
10	East Side W.T. by Multimedia Filters # 5	✓O/C			
11	North Side Bldg 10 # 6	✓O/C			
12	Between MP-444's and Water Treat # 4	O/C ✓			
13	West Side Power Block Valve Shed #1	O/C N/A			

To Be Cycled First Saturday of Every Month

No.	System	Debris		Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☐		

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☐ Date: 1/13/24 Operator Erick

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1		O/C		Y☐ N☐	
2	SG Unit 2	B1-2		O/C		Y☐ N☐	
3	Reheaters	B1-3		O/C		Y☐ N☐	piv valves cut
4	Rack 2 West HTF	B1-4		O/C		Y☐ N☐	
5	Rack 2 East HTF	B1-5		O/C		Y☐ N☐	
6	North Steel Pro	B1-6		O/C		Y☐ N☐	
7	HTF Pumps	B1-7		O/C		Y☐ N☐	
8	HTF Heaters	B1-8		O/C		Y☐ N☐	
9	South Steel Pro	B1-9		O/C		Y☐ N☐	
10	Lube Oil	B1-10		O/C		Y☐ N☐	
11	Turbine Hose Stations	B1-11		O/C		Y☐ N☐	
12	Turbine Bearings	B1-12		O/C		Y☐ N☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	160	✓O/C	✓	Y☑ N☐	
2	Ullage Area	B2-2	161	✓O/C	✓	Y☑ N☐	
3	Ullage Structure	B2-11	155	✓O/C	✓	Y☑ N☐	
4	Rack 1 Middle Area	B2-5	155	✓O/C	✓	Y☑ N☐	
5	Overflow Tanks	B2-9	155	✓O/C	✓	Y☑ N☐	
6	Rack 1 South Area	B2-6	155	✓O/C	✓	Y☑ N☐	
7	Rack 1 West	B2-7	160	✓O/C	✓	Y☑ N☐	
8	Rack 1 North Area	B2-4	160	✓O/C	✓	Y☑ N☐	
9	Over flow AFFF	B2-8	160	✓O/C	✓	Y☑ N☐	
10	Expansion Vessel AFFF	B2-3	160	✓O/C	✓	Y☑ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	135	✓O/C	✓	Y☑ N☐	
2	Transformer Main	135	✓O/C	✓	Y☑ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	160	✓O/C	✓	Y☐ N☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5		O/C		Y☐ N☐	
2	Offices	B4-3		O/C		Y☐ N☐	
3	Electrical Room	B4-4		O/C		Y☐ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☐ N☐	✓O/C	
2	Bearing 3	Y☐ N☐	✓O/C	
3	Bearing 4	Y☐ N☐	✓O/C	
4	Bearing 5	Y☐ N☐	✓O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☐ N☑	✓O/C	
2	MP-200A	Y☐ N☐	✓O/C	
3	MP-200B	Y☑ N☐	✓O/C	
4	MP-200C	Y☑ N☐	✓O/C	
5	MP-200D	Y☐ N☐	✓O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	175	O	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C ✓			
2	Maintenance Shop Drive Way #8	O/C ✓			
3	West Side Power Block by VS-3 # 9	✓O/C			
4	West Side Power Block by VS-1 # 10	O/C✓			
5	West Side Cooling Tower by VS-4 # 11	✓O/C			
6	West side Cooling Tower by VS-4 # 12	O/C ✓			
7	N.W. Corner Chemical Storage #1	✓O/C			
8	N.E. Corner Chemical Storage # 2	✓O/C			
9	East Side W.T. by Multimedia Filters # 3	✓O/C			
10	East Side W.T. by Multimedia Filters # 5	✓O/C			
11	North Side Bldg 10 # 6	✓O/C			
12	Between MP-444's and Water Treat # 4	O/C ✓			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris		Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☐		

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 1/7/24 Operator: Diego R.

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	155	O/C	✓	Y☑ N☐	
2	SG Unit 2	B1-2	160	O/C	✓	Y☑ N☐	
3	Reheaters	B1-3	165	O/C	✓	Y☑ N☐	
4	Rack 2 West HTF	B1-4	155	O/C	✓	Y☑ N☐	
5	Rack 2 East HTF	B1-5	160	O/C	✓	Y☑ N☐	
6	North Steel Pro	B1-6	160	O/C	✓	Y☑ N☐	
7	HTF Pumps	B1-7	155	O/C	✓	Y☑ N☐	
8	HTF Heaters	B1-8	160	O/C	✓	Y☑ N☐	
9	South Steel Pro	B1-9	160	O/C	✓	Y☑ N☐	
10	Lube Oil	B1-10	160	O/C	✓	Y☑ N☐	
11	Turbine Hose Stations	B1-11	155	O/C	✓	Y☑ N☐	
12	Turbine Bearings	B1-12	160	O/C	✓	Y☑ N☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	175	O/C	✓	Y☑ N☐	
2	Ullage Area	B2-2	175	O/C	✓	Y☑ N☐	
3	Ullage Structure	B2-11	175	O/C	✓	Y☑ N☐	
4	Rack 1 Middle Area	B2-5	175	O/C	✓	Y☑ N☐	
5	Overflow Tanks	B2-9	175	O/C	✓	Y☑ N☐	
6	Rack 1 South Area	B2-6	170	O/C	✓	Y☑ N☐	
7	Rack 1 West	B2-7	175	O/C	✓	Y☑ N☐	
8	Rack 1 North Area	B2-4	170	O/C	✓	Y☑ N☐	
9	Over flow AFFF	B2-8	160	O/C	✓	Y☑ N☐	
10	Expansion Vessel AFFF	B2-3	170	O/C	✓	Y☑ N☐	UNLOCKED ON T FORM.

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	160	O/C	✓	Y☑ N☐	
2	Transformer Main	155	O/C	✓	Y☑ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	160	O/C	✓	Y☑ N☐	New Sign Needed.

Valve Shed # 5 by Control Bldg 10

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	160	O/C	✓	Y☑ N☐	
2	Offices	160	O/C	✓	Y☑ N☐	
3	Electrical Room	160	O/C	✓	Y☑ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☑ N☐	O/C	
2	Bearing 3	Y☑ N☐	O/C	
3	Bearing 4	Y☑ N☐	O/C	
4	Bearing 5	Y☑ N☐	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☑ N☐	O/C	
2	MP-200A	Y☑ N☐	O/C	
3	MP-200B	Y☑ N☐	O/C	
4	MP-200C	Y☑ N☐	O/C	
5	MP-200D	Y☐ N☑	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	160	O	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C			
2	Maintenance Shop Drive Way #8	O/C			
3	West Side Power Block by VS-3 # 9	O/C			
4	West Side Power Block by VS-1 # 10	O/C			
5	West Side Cooling Tower by VS-4 # 11	O/C			
6	West side Cooling Tower by VS-4 # 12	O/C			
7	N.W. Corner Chemical Storage #1	O/C			
8	N.E. Corner Chemical Storage # 2	O/C			
9	East Side W.T. by Multimedia Filters # 3	O/C			
10	East Side W.T. by Multimedia Filters # 5	O/C			
11	North Side Bldg 10 # 6	O/C			
12	Between MP-444's and Water Treat # 4	O/C			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris		Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☑		

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☑ Date: 1/20/24 Operator PAT

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	0	O/C	✓	Y☑ N☐	
2	SG Unit 2	B1-2		O/C	✓	Y☑ N☐	
3	Reheaters	B1-3		O/C	✓	Y☑ N☐	
4	Rack 2 West HTF	B1-4		O/C	✓	Y☑ N☐	
5	Rack 2 East HTF	B1-5		O/C	✓	Y☑ N☐	
6	North Steel Pro	B1-6		O/C	✓	Y☑ N☐	
7	HTF Pumps	B1-7		O/C	✓	Y☑ N☐	
8	HTF Heaters	B1-8		O/C	✓	Y☑ N☐	
9	South Steel Pro	B1-9		O/C	✓	Y☑ N☐	
10	Lube Oil	B1-10		O/C	✓	Y☑ N☐	
11	Turbine Hose Stations	B1-11		O/C	✓	Y☑ N☐	
12	Turbine Bearings	B1-12		O/C	✓	Y☑ N☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	162	O/C	✓	Y☑ N☐	
2	Ullage Area	B2-2	162	O/C	✓	Y☑ N☐	
3	Ullage Structure	B2-11	161	O/C	✓	Y☑ N☐	
4	Rack 1 Middle Area	B2-5	162	O/C	✓	Y☑ N☐	
5	Overflow Tanks	B2-9	156	O/C	✓	Y☑ N☐	
6	Rack 1 South Area	B2-6	159	O/C	✓	Y☑ N☐	
7	Rack 1 West	B2-7	158	O/C	✓	Y☑ N☐	
8	Rack 1 North Area	B2-4	159	O/C	✓	Y☐ N☑	
9	Over flow AFFF	B2-8	162	O/C	✓	Y☐ N☑	
10	Expansion Vessel AFFF	B2-3	163	O/C	✓	Y☐ N☑	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	163	O/C	✓	Y☑ N☐	
2	Transformer Main	160	O/C	✓	Y☑ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	159	O/C	✓	Y☑ N☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	157	O/C	157 ✓	Y☑ N☐	
2	Offices	B4-3	156	O/C	156 ✓	Y☑ N☐	
3	Electrical Room	B4-4	163	O/C	163 ✓	Y☐ N☑	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☐ N☑	O/C	
2	Bearing 3	Y☐ N☑	O/C	
3	Bearing 4	Y☐ N☑	O/C	
4	Bearing 5	Y☐ N☑	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☐ N☑	O/C	
2	MP-200A	Y☑ N☐	O/C	
3	MP-200B	Y☑ N☐	O/C	
4	MP-200C	Y☑ N☐	O/C	
5	MP-200D	Y☑ N☐	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	175	O	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C			
2	Maintenance Shop Drive Way #8	O/C			
3	West Side Power Block by VS-3 # 9	O/C			
4	West Side Power Block by VS-1 # 10	O/C			
5	West Side Cooling Tower by VS-4 # 11	O/C			
6	West side Cooling Tower by VS-4 # 12	O/C			
7	N.W. Corner Chemical Storage #1	O/C			
8	N.E. Corner Chemical Storage # 2	O/C			
9	East Side W.T. by Multimedia Filters # 3	O/C			
10	East Side W.T. by Multimedia Filters # 5	O/C			
11	North Side Bldg 10 # 6	O/C			
12	Between MP-444's and Water Treat # 4	O/C			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris		Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☐		

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☑ Date: 1/13/24 Operator PAT

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	159	O/C	✓	Y☑ N☐	
2	SG Unit 2	B1-2	159	O/C	✓	Y☑ N☐	
3	Reheaters	B1-3	159	O/C	✓	Y☑ N☐	
4	Rack 2 West HTF	B1-4	160	O/C	✓	Y☑ N☐	
5	Rack 2 East HTF	B1-5	155	O/C	✓	Y☑ N☐	
6	North Steel Pro	B1-6	156	O/C	✓	Y☑ N☐	
7	HTF Pumps	B1-7	156	O/C	✓	Y☑ N☐	
8	HTF Heaters	B1-8	156	O/C	✓	Y☑ N☐	
9	South Steel Pro	B1-9	166	O/C	✓	Y☑ N☐	
10	Lube Oil	B1-10	156	O/C	✓	Y☑ N☐	
11	Turbine Hose Stations	B1-11	164	O/C	✓	Y☑ N☐	
12	Turbine Bearings	B1-12	161	O/C	✓	Y☑ N☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	161	O/C	✓	Y☑ N☐	
2	Ullage Area	B2-2	163	O/C	✓	Y☑ N☐	
3	Ullage Structure	B2-11	112	O/C	✓	Y☑ N☐	
4	Rack 1 Middle Area	B2-5	165	O/C	✓	Y☑ N☐	
5	Overflow Tanks	B2-9	160	O/C	✓	Y☑ N☐	
6	Rack 1 South Area	B2-6	163	O/C	✓	Y☑ N☐	
7	Rack 1 West	B2-7	164	O/C	✓	Y☑ N☐	
8	Rack 1 North Area	B2-4	162	O/C	✓	Y☑ N☐	
9	Over flow AFFF	B2-8	162	O/C	✓	Y☑ N☐	
10	Expansion Vessel AFFF	B2-3	162	O/C	✓	Y☑ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	157	O/C	✓	Y☑ N☐	
2	Transformer Main	158	O/C	✓	Y☐ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	162	O/C	✓	Y☑ N☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	164	O/C	✓	Y☐ N☐	
2	Offices	B4-3	162	O/C	✓	Y☐ N☐	
3	Electrical Room	B4-4	164	O/C	✓	Y☐ N☑	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☑ N☐	O/C	
2	Bearing 3	Y☐ N☑	O/C	
3	Bearing 4	Y☑ N☐	O/C	
4	Bearing 5	Y☑ N☐	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☐ N☑	O/C	
2	MP-200A	Y☑ N☐	O/C	
3	MP-200B	Y☐ N☑	O/C	
4	MP-200C	Y☑ N☐	O/C	
5	MP-200D	Y☑ N☐	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	164	O	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C			
2	Maintenance Shop Drive Way #8	O/C			
3	West Side Power Block by VS-3 # 9	O/C			
4	West Side Power Block by VS-1 # 10	O/C			
5	West Side Cooling Tower by VS-4 # 11	O/C			
6	West side Cooling Tower by VS-4 # 12	O/C			
7	N.W. Corner Chemical Storage #1	O/C			
8	N.E. Corner Chemical Storage # 2	O/C			
9	East Side W.T. by Multimedia Filters # 3	O/C			
10	East Side W.T. by Multimedia Filters # 5	O/C			
11	North Side Bldg 10 # 6	O/C			
12	Between MP-444's and Water Treat # 4	O/C			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☑	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☒ Date: 1-7-24 Operator Eric'n

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	160	✓O/C	✓	Y☑ N☐	
2	SG Unit 2	B1-2	160	✓ O/C	✓	Y☑ N☐	
3	Reheaters	B1-3	160	✓ O/C	✓	Y☑ N☐	
4	Rack 2 West HTF	B1-4	160	✓ O/C	✓	Y☑ N☐	
5	Rack 2 East HTF	B1-5	160	✓ O/C	✓	Y☑ N☐	
6	North Steel Pro	B1-6	160	✓ O/C	✓	Y☑ N☐	
7	HTF Pumps	B1-7	160	✓ O/C	✓	Y☑ N☐	
8	HTF Heaters	B1-8	160	✓ O/C	✓	Y☑ N☐	
9	South Steel Pro	B1-9	160	✓ O/C	✓	Y☑ N☐	
10	Lube Oil	B1-10	160	✓ O/C	✓	Y☑ N☐	
11	Turbine Hose Stations	B1-11	160	✓ O/C	✓	Y☑ N☐	
12	Turbine Bearings	B1-12	160	✓ O/C	✓	Y☑ N☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	165	✓O/C	✓	Y☑ N☐	
2	Ullage Area	B2-2	165	✓O/C	✓	Y☑ N☐	
3	Ullage Structure	B2-11	165	✓O/C	✓	Y☑ N☐	
4	Rack 1 Middle Area	B2-5	165	✓O/C	✓	Y☑ N☐	
5	Overflow Tanks	B2-9	165	✓O/C	✓	Y☑ N☐	
6	Rack 1 South Area	B2-6	165	✓O/C	✓	Y☑ N☐	
7	Rack 1 West	B2-7	165	✓O/C	✓	Y☑ N☐	
8	Rack 1 North Area	B2-4	165	✓ O/C	✓	Y☑ N☐	
9	Over flow AFFF	B2-8	165	✓ O/C	✓	Y☑ N☐	
10	Expansion Vessel AFFF	B2-3	165	✓O/C	✓	Y☑ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	160	✓ O/C	✓	Y☑ N☐	
2	Transformer Main	155	✓O/C	✓	Y☑ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	165	✓O/C	✓	Y☑ N☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	160	✓O/C	✓	Y☑ N☐	
2	Offices	B4-3	160	✓ O/C	✓	Y☑ N☐	
3	Electrical Room	B4-4	160	✓ O/C	✓	Y☑ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☑ N☐	✓ O/C	
2	Bearing 3	Y☑ N☐	✓ O/C	
3	Bearing 4	Y☑ N☐	✓ O/C	
4	Bearing 5	Y☑ N☐	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☑ N☐	✓ O/C	
2	MP-200A	Y☑ N☐	✓ O/C	
3	MP-200B	Y☑ N☐	✓ O/C	
4	MP-200C	Y☑ N☐	✓O/C	
5	MP-200D	Y☑ N☐	✓ O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	125	✓	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C ✗	✗	~~1-7~~	
2	Maintenance Shop Drive Way #8	✓ O/C	✓	1-7	
3	West Side Power Block by VS-3 # 9	✓ O/C	✓	1-7	
4	West Side Power Block by VS-1 # 10	✓ O/C	✓	1-7	
5	West Side Cooling Tower by VS-4 # 11	✓ O/C	✓	1-7	
6	West side Cooling Tower by VS-4 # 12	✓ O/C	✓	1-7	
7	N.W. Corner Chemical Storage #1	✓ O/C	✓	1-7	
8	N.E. Corner Chemical Storage # 2	✓ O/C	✓	1-7	
9	East Side W.T. by Multimedia Filters # 3	✓ O/C	✓	1-7	
10	East Side W.T. by Multimedia Filters # 5	✓ O/C	✓	1-7	
11	North Side Bldg 10 # 6	✓ O/C	✓	1-7	
12	Between MP-444's and Water Treat # 4	O/C ✗	✗		
13	West Side Power Block Valve Shed #1	✓ O/C	✓	1-7	

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☒	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☐ Beta ☑

Date: 1/6/24

Operator: PAT

*To be completed each time unit is operated.

Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155 psI

Discharge Pressure: 170 psI

Pump Suction Pressure: 17 psI

Pump Discharge pressure: 166 psI

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☐ Mechanical ☐ Valves ☐

Start the pump on pressure drop. Start up pressure: 145 psI

Start time: 1846

Pump Suction Pressure: 17 psI

Pump Discharge pressure: 151 psI

Stop time: 1856

Total time running 10 min

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☐

Fuel level > 2/3: Yes ☐ No ☑

Monthly Fuel Consumption:

Battery volt Crank 1: 28.7

Battery volt Crank 2: 28.7

Battery Condition: good

Starting hour meter: 134

Start time: 1858

Oil pressure start: 57 psI

Oil Pressure finish: 35 psI

Pump Suction Pressure: 25 psI

Pump Discharge pressure: 146 psI

Coolant temperature after 30 minutes running: 192

Stop time: 1906

Stop hour meter: 134.1

Total time running:

Comments: High Temp Alarm after 8 mins running

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☒ Date: 1-7-24 Operator Eric'a

Valve Shed # 1 by Condenser

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1 B1-1	160	✓O/C	✓	Y☒ N☐	
2	SG Unit 2 B1-2	160	✓O/C	✓	Y☒ N☐	
3	Reheaters B1-3	160	✓O/C	✓	Y☒ N☐	
4	Rack 2 West HTF B1-4	160	✓O/C	✓	Y☒ N☐	
5	Rack 2 East HTF B1-5	160	✓O/C	✓	Y☒ N☐	
6	North Steel Pro B1-6	160	✓O/C	✓	Y☒ N☐	
7	HTF Pumps B1-7	160	✓O/C	✓	Y☒ N☐	
8	HTF Heaters B1-8	160	✓O/C	✓	Y☒ N☐	
9	South Steel Pro B1-9	160	✓O/C	✓	Y☒ N☐	
10	Lube Oil B1-10	160	✓O/C	✓	Y☒ N☐	
11	Turbine Hose Stations B1-11	160	✓O/C	✓	Y☒ N☐	
12	Turbine Bearings B1-12	160	✓O/C	✓	Y☒ N☐	

Valve Shed # 2 by Overflow

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels B2-1	165	✓O/C	✓	Y☒ N☐	
2	Ullage Area B2-2	165	✓O/C	✓	Y☒ N☐	
3	Ullage Structure B2-11	165	✓O/C	✓	Y☒ N☐	
4	Rack 1 Middle Area B2-5	165	✓O/C	✓	Y☒ N☐	
5	Overflow Tanks B2-9	165	✓O/C	✓	Y☒ N☐	
6	Rack 1 South Area B2-6	165	✓O/C	✓	Y☒ N☐	
7	Rack 1 West B2-7	165	✓O/C	✓	Y☒ N☐	
8	Rack 1 North Area B2-4	165	✓O/C	✓	Y☒ N☐	
9	Over flow AFFF B2-8	165	✓O/C	✓	Y☒ N☐	
10	Expansion Vessel AFFF B2-3	165	✓O/C	✓	Y☒ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	160	✓ O/C	✓	Y☒ N☐	
2	Transformer Main	155	✓O/C	✓	Y☒ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	165	✓O/C	✓	Y☒ N☐	

Valve Shed # 5 by Control Bldg 10

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room B4-5	160	✓O/C	✓	Y☒ N☐	
2	Offices B4-3	160	✓O/C	✓	Y☒ N☐	
3	Electrical Room B4-4	160	✓ O/C	✓	Y☒ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☒ N☐	✓ O/C	
2	Bearing 3	Y☒ N☐	✓ O/C	
3	Bearing 4	Y☒ N☐	✓ O/C	
4	Bearing 5	Y☒ N☐	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☒ N☐	✓ O/C	
2	MP-200A	Y☒ N☐	✓ O/C	
3	MP-200B	Y☒ N☐	✓ O/C	
4	MP-200C	Y☒ N☐	✓O/C	
5	MP-200D	Y☒ N☐	✓ O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	125	✓	Y☒ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C ✓	✓	~~1-7~~	
2	Maintenance Shop Drive Way #8	✓ O/C	✓	1-7	
3	West Side Power Block by VS-3 # 9	✓ O/C	✓	1-7	
4	West Side Power Block by VS-1 # 10	✓ O/C	✓	1-7	
5	West Side Cooling Tower by VS-4 # 11	✓ O/C	✓	1-7	
6	West side Cooling Tower by VS-4 # 12	✓ O/C	✓	1-7	
7	N.W. Corner Chemical Storage #1	✓ O/C	✓	1-7	
8	N.E. Corner Chemical Storage # 2	✓ O/C	✓	1-7	
9	East Side W.T. by Multimedia Filters # 3	✓ O/C	✓	1-7	
10	East Side W.T. by Multimedia Filters # 5	✓ O/C	✓	1-7	
11	North Side Bldg 10 # 6	✓ O/C	✓	1-7	
12	Between MP-444's and Water Treat # 4	O/C ✓	✓		
13	West Side Power Block Valve Shed #1	✓ O/C	✓	1-7	

To Be Cycled First Saturday of Every Month

No.	System	Debris		Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☒		

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐ Date: 1/6/23

Operator: Erick *To be completed each time unit is operated.

Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: 163.

Pump Suction Pressure: N/A Pump Discharge pressure: 163.

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 20:18

Pump Suction Pressure: 12 Pump Discharge pressure: 150

Stop time: 20:28 Total time running 10 min.

Comments: Packing Looks good.

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☐ No ☑ Monthly Fuel Consumption:

Battery volt Crank 1: 27.3 Battery volt Crank 2: 27.3. Battery Condition: Good (1A Corrosion on terminals)

Starting hour meter: 130.4. Start time: 20:30

Oil pressure start: 56 Oil Pressure finish: 39 psi.

Pump Suction Pressure: 10. Pump Discharge pressure: 160

Coolant temperature after 30 minutes running: 203°F

Stop time: 20:39. Stop hour meter: 130.5. Total time running: 8 min.

Comments: Battery terminals on 1A. East packing needs Adjustment -
Fault-Charge air cooler, temp out of Range (High) Corrective (Increase raw water Flow)

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 1/7/24 Operator: Diego P.

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	155	O/C	✓	Y☑ N☐	
2	SG Unit 2	B1-2	160	O/C	✓	Y☑ N☐	
3	Reheaters	B1-3	165	O/C	✓	Y☑ N☐	
4	Rack 2 West HTF	B1-4	155	O/C	✓	Y☑ N☐	
5	Rack 2 East HTF	B1-5	160	O/C	✓	Y☑ N☐	
6	North Steel Pro	B1-6	160	O/C	✓	Y☑ N☐	
7	HTF Pumps	B1-7	155	O/C	✓	Y☑ N☐	
8	HTF Heaters	B1-8	160	O/C	✓	Y☑ N☐	
9	South Steel Pro	B1-9	160	O/C	✓	Y☑ N☐	
10	Lube Oil	B1-10	160	O/C	✓	Y☑ N☐	
11	Turbine Hose Stations	B1-11	155	O/C	✓	Y☑ N☐	
12	Turbine Bearings	B1-12	160	O/C	✓	Y☑ N☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	175	O/C	✓	Y☑ N☐	
2	Ullage Area	B2-2	175	O/C	✓	Y☑ N☐	
3	Ullage Structure	B2-11	175	O/C	✓	Y☑ N☐	
4	Rack 1 Middle Area	B2-5	175	O/C	✓	Y☑ N☐	
5	Overflow Tanks	B2-9	175	O/C	✓	Y☑ N☐	
6	Rack 1 South Area	B2-6	170	O/C	✓	Y☑ N☐	
7	Rack 1 West	B2-7	175	O/C	✓	Y☑ N☐	
8	Rack 1 North Area	B2-4	170	O/C	✓	Y☑ N☐	
9	Over flow AFFF	B2-8	160	O/C	✓	Y☑ N☐	
10	Expansion Vessel AFFF	B2-3	170	O/C	✓	Y☑ N☐	VALVED OUT FOAM.

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	160	O/C	✓	Y☑ N☐	
2	Transformer Main	155	O/C	✓	Y☑ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Cooling Tower West Side	160	O/C	✗	Y☑ N☐	New Sign Needed.

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	160	O/C	✓	Y☑ N☐	
2	Offices	B4-3	160	O/C	✓	Y☑ N☐	
3	Electrical Room	B4-4	160	O/C	✓	Y☑ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☑ N☐	O/C	
2	Bearing 3	Y☑ N☐	O/C	
3	Bearing 4	Y☑ N☐	O/C	
4	Bearing 5	Y☑ N☐	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☑ N☐	O/C	
2	MP-200A	Y☑ N☐	O/C	
3	MP-200B	Y☑ N☐	O/C	
4	MP-200C	Y☑ N☐	O/C	
5	MP-200D	Y☐ N☑	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	160	O	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C			
2	Maintenance Shop Drive Way #8	O/C			
3	West Side Power Block by VS-3 # 9	O/C			
4	West Side Power Block by VS-1 # 10	O/C			
5	West Side Cooling Tower by VS-4 # 11	O/C			
6	West side Cooling Tower by VS-4 # 12	O/C			
7	N.W. Corner Chemical Storage #1	O/C			
8	N.E. Corner Chemical Storage # 2	O/C			
9	East Side W.T. by Multimedia Filters # 3	O/C			
10	East Side W.T. by Multimedia Filters # 5	O/C			
11	North Side Bldg 10 # 6	O/C			
12	Between MP-444's and Water Treat # 4	O/C			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☑	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☐ Beta ☑ | Date: 1-14-24

Operator: Caleb Sowards | *To be completed each time unit is operated.

Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: 170

Pump Suction Pressure: 15 Pump Discharge pressure: 170

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 0438

Pump Suction Pressure: 15 Pump Discharge pressure: 164

[illegible]p time: 0448 Total time running 10min

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☑ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: 26 Battery volt Crank 2: 25 | Battery Condition: good

Starting hour meter: 134.1 | Start time: 0450

Oil pressure start: 60 | Oil Pressure finish: 35

Pump Suction Pressure: 15 Pump Discharge pressure: 155

Coolant temperature after 30 minutes running: 192

Stop time: 0459 Stop hour meter: 134.2 Total time running: 9 min

Comments:

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

[illegible] Fuel consumption 27 gal/ h approximately.

[illegible] is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☑ Date: 1/13/24 Operator PAT

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	159	O/C	✓	Y ☑ N ☐	
2	SG Unit 2	B1-2	159	O/C	✓	Y ☑ N ☐	
3	Reheaters	B1-3	159	O/C	✓	Y ☑ N ☐	
4	Rack 2 West HTF	B1-4	160	O/C	✓	Y ☑ N ☐	
5	Rack 2 East HTF	B1-5	155	O/C	✓	Y ☑ N ☐	
6	North Steel Pro	B1-6	155	O/C	✓	Y ☑ N ☐	
7	HTF Pumps	B1-7	156	O/C	✓	Y ☑ N ☐	
8	HTF Heaters	B1-8	156	O/C	✓	Y ☑ N ☐	
9	South Steel Pro	B1-9	166	O/C	✓	Y ☑ N ☐	
10	Lube Oil	B1-10	156	O/C	✓	Y ☑ N ☐	
11	Turbine Hose Stations	B1-11	164	O/C	✓	Y ☑ N ☐	
12	Turbine Bearings	B1-12	161	O/C	✓	Y ☑ N ☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	161	O/C	✓	Y ☑ N ☐	
2	Ullage Area	B2-2	163	O/C	✓	Y ☑ N ☐	
3	Ullage Structure	B2-11	112	O/C	✓	Y ☑ N ☐	
4	Rack 1 Middle Area	B2-5	165	O/C	✓	Y ☑ N ☐	
5	Overflow Tanks	B2-9	160	O/C	✓	Y ☑ N ☐	
6	Rack 1 South Area	B2-6	163	O/C	✓	Y ☑ N ☐	
7	Rack 1 West	B2-7	164	O/C	✓	Y ☑ N ☐	
8	Rack 1 North Area	B2-4	162	O/C	✓	Y ☑ N ☐	
9	Over flow AFFF	B2-8	162	O/C	✓	Y ☑ N ☐	
10	Expansion Vessel AFFF	B2-3	162	O/C	✓	Y ☑ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	157	O/C	✓	Y ☑ N ☐	
2	Transformer Main	158	O/C	✓	Y ☑ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	162	O/C	✓	Y ☑ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	164	O/C	✓	Y ☑ N ☐	
2	Offices	B4-3	162	O/C	✓	Y ☑ N ☐	
3	Electrical Room	B4-4	164	O/C	✓	Y ☐ N ☑	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☑ N ☐	O/C	
2	Bearing 3	Y ☐ N ☑	O/C	
3	Bearing 4	Y ☑ N ☐	O/C	
4	Bearing 5	Y ☑ N ☐	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☑ N ☐	O/C	
2	MP-200A	Y ☑ N ☐	O/C	
3	MP-200B	Y ☐ N ☑	O/C	
4	MP-200C	Y ☑ N ☐	O/C	
5	MP-200D	Y ☑ N ☐	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	169	O	Y ☑ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C			
2	Maintenance Shop Drive Way #8	O/C			
3	West Side Power Block by VS-3 # 9	O/C			
4	West Side Power Block by VS-1 # 10	O/C			
5	West Side Cooling Tower by VS-4 # 11	O/C			
6	West side Cooling Tower by VS-4 # 12	O/C			
7	N.W. Corner Chemical Storage #1	O/C			
8	N.E. Corner Chemical Storage # 2	O/C			
9	East Side W.T. by Multimedia Filters # 3	O/C			
10	East Side W.T. by Multimedia Filters # 5	O/C			
11	North Side Bldg 10 # 6	O/C			
12	Between MP-444's and Water Treat # 4	O/C			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris		Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☑		

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐	Date: 1/13/24
Operator: Erick Carrillo	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: 162

Pump Suction Pressure: N/A · Pump Discharge pressure: 162

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 13:45 ·

Pump Suction Pressure: 12 Pump Discharge pressure: 150

Stop time: Total time running

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☐ No ☑ 1/4 Monthly Fuel Consumption:

Battery volt Crank 1: 27.4 Battery volt Crank 2: 27.3 ·	Battery Condition: Good. 1A, Corrosion.
Starting hour meter: 130.5 ·	Start time: 13:35
Oil pressure start: 64psi	Oil Pressure finish: 41psi ·

Pump Suction Pressure: 15 Pump Discharge pressure: 160

Coolant temperature after 30 minutes running: 135°F start, 192°F

Stop time: 13:43 · Stop hour meter: 130.6 Total time running:

Comments: 1760 Rpm, Fault Charge Air Cooler Temp out of Range High Packing Look good on both west & east side.

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

e: Fuel consumption 27 gal/ h approximately.

re is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☐ Date: 1/13/24 Operator Erick

Valve Shed # 1 by Condenser

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1 B1-1		O/C		Y☐ N☐	
2	SG Unit 2 B1-2		O/C		Y☐ N☐	
3	Reheaters B1-3		O/C		Y☐ N☐	piv valved out
4	Rack 2 West HTF B1-4		O/C		Y☐ N☐	
5	Rack 2 East HTF B1-5		O/C		Y☐ N☐	
6	North Steel Pro B1-6		O/C		Y☐ N☐	
7	HTF Pumps B1-7		O/C		Y☐ N☐	
8	HTF Heaters B1-8		O/C		Y☐ N☐	
9	South Steel Pro B1-9		O/C		Y☐ N☐	
10	Lube Oil B1-10		O/C		Y☐ N☐	
11	Turbine Hose Stations B1-11		O/C		Y☐ N☐	
12	Turbine Bearings B1-12		O/C		Y☐ N☐	

Valve Shed # 2 by Overflow

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels B2-1	160	✓O/C	✓	Y☑ N☐	
2	Ullage Area B2-2	164	✓O/C	✓	Y☑ N☐	
3	Ullage Structure B2-11	155	✓O/C	✓	Y☑ N☐	
4	Rack 1 Middle Area B2-5	155	✓O/C	✓	Y☑ N☐	
5	Overflow Tanks B2-9	155	✓O/C	✓	Y☑ N☐	
6	Rack 1 South Area B2-6	155	✓O/C	✓	Y☑ N☐	
7	Rack 1 West B2-7	160	✓O/C	✓	Y☑ N☐	
8	Rack 1 North Area B2-4	160	✓O/C	✓	Y☑ N☐	
9	Over flow AFFF B2-8	160	✓O/C	✓	Y☑ N☐	
10	Expansion Vessel AFFF B2-3	160	✓O/C	✓	Y☑ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	133	✓O/C	✓	Y☑ N☐	
2	Transformer Main	133	✓O/C	✓	Y☑ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	160	✓O/C	✓	Y☑ N☐	

Valve Shed # 5 by Control Bldg 10

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room B4-5		O/C		Y☐ N☐	
2	Offices B4-3		O/C		Y☐ N☐	
3	Electrical Room B4-4		O/C		Y☐ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☑ N☐	✓O/C	
2	Bearing 3	Y☑ N☐	✓O/C	
3	Bearing 4	Y☑ N☐	✓O/C	
4	Bearing 5	Y☑ N☐	✓O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☑ N☐	✓O/C	
2	MP-200A	Y☐ N☐	✓O/C	
3	MP-200B	Y☑ N☐	✓O/C	
4	MP-200C	Y☑ N☐	✓O/C	
5	MP-200D	Y☑ N☐	✓O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	175	O	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C ✓			
2	Maintenance Shop Drive Way #8	O/C ✓			
3	West Side Power Block by VS-3 # 9	✓O/C			
4	West Side Power Block by VS-1 # 10	O/C ✓			
5	West Side Cooling Tower by VS-4 # 11	✓O/C			
6	West side Cooling Tower by VS-4 # 12	O/C ✓			
7	N.W. Corner Chemical Storage #1	✓O/C			
8	N.E. Corner Chemical Storage # 2	✓O/C			
9	East Side W.T. by Multimedia Filters # 3	✓O/C			
10	East Side W.T. by Multimedia Filters # 5	✓O/C			
11	North Side Bldg 10 # 6	✓O/C			
12	Between MP-444's and Water Treat # 4	O/C ✓			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris		Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☐		

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐ Date: 1/20/24

Operator: Diego Rodriguez *To be completed each time unit is operated.

Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155 psi

Discharge Pressure: 165psi

Pump Suction Pressure: Pump Discharge pressure: 165psi

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145psi

Start time: 1940

Pump Suction Pressure: 10psi Pump Discharge pressure: 150psi

Stop time: 1950 Total time running 10Mins.

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☐ No ☑ Monthly Fuel Consumption: N/A

Battery volt Crank 1: 26.7 Battery volt Crank 2: 26.7 Battery Condition: Good, Need cleaning

Starting hour meter: 130.6 HRS Start time: 1952

Oil pressure start: 57psi Oil Pressure finish: 42 psi

Pump Suction Pressure: 15psi Pump Discharge pressure: 165psi

Coolant temperature after 30 minutes running: 201 °F High Temp ALARM.

Stop time: 2013 Stop hour meter: 130.9 Total time running: 21 mins

Comments:

packing ON WEST side needs Adjustment., High Temp ALARM.

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

te: Fuel consumption 27 gal/ h approximately.

ere is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☒ BETA: ☐ Date: 1/21/24 Operator Erick

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1		✓ O/C ✓	✓	Y☐ N☑	
2	SG Unit 2	B1-2		✓ O/C ✓	✓	Y☐ N☑	
3	Reheaters	B1-3		O/C ✓	✓	Y☐ N☑	
4	Rack 2 West HTF	B1-4		O/C ✓	✓	Y☐ N☑	PIV Secured
5	Rack 2 East HTF	B1-5		O/C ✓	✓	Y☐ N☑	
6	North Steel Pro	B1-6		O/C ✓	✓	Y☐ N☑	
7	HTF Pumps	B1-7		O/C ✓	✓	Y☐ N☑	
8	HTF Heaters	B1-8		O/C ✓	✓	Y☐ N☑	
9	South Steel Pro	B1-9		O/C ✓	✓	Y☐ N☑	
10	Lube Oil	B1-10		O/C ✓	✓	Y☐ N☑	
11	Turbine Hose Stations	B1-11		O/C ✓	✓	Y☐ N☑	
12	Turbine Bearings	B1-12		O/C ✓	✓	Y☐ N☑	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	160	✓O/C	✓	Y☐ N☑	
2	Ullage Area	B2-2	160	✓O/C	✓	Y☑ N☐	
3	Ullage Structure	B2-11	160	✓O/C	✓	Y☑ N☐	
4	Rack 1 Middle Area	B2-5	160	✓O/C	✓	Y☑ N☐	
5	Overflow Tanks	B2-9	155	✓O/C	✓	Y☑ N☐	
6	Rack 1 South Area	B2-6	160	✓O/C	✓	Y☑ N☐	
7	Rack 1 West	B2-7	160	✓O/C	✓	Y☑ N☐	
8	Rack 1 North Area	B2-4	160	✓O/C	✓	Y☑ N☐	
9	Over flow AFFF	B2-8	155	✓O/C	✓	Y☑ N☐	AFFF Secured
10	Expansion Vessel AFFF	B2-3	155	✓O/C	✓	Y☑ N☐	AFFF Secured.

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	110	✓O/C	✓	Y☑ N☐	
2	Transformer Main	135	✓O/C	✓	Y☑ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	160	✓O/C	✓	Y☑ N☒	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	160	✓O/C	✓	Y☑ N☐	
2	Offices	B4-3	160	✓O/C	✓	Y☑ N☐	
3	Electrical Room	B4-4	166	✓O/C	✓	Y☑ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☑ N☐	✓O/C	
2	Bearing 3	Y☑ N☐	✓O/C	
3	Bearing 4	Y☑ N☐	✓O/C	
4	Bearing 5	Y☑ N☐	✓O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☐ N☑	✓O/C	
2	MP-200A	Y☐ N☑	✓O/C	
3	MP-200B	Y☑ N☐	✓O/C	
4	MP-200C	Y☑ N☐	✓O/C	
5	MP-200D	Y☐ N☑	✓O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	165.	O	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C ✓			
2	Maintenance Shop Drive Way #8	O/C ✓			
3	West Side Power Block by VS-3 # 9	✓O/C			
4	West Side Power Block by VS-1 # 10	O/C ✓			
5	West Side Cooling Tower by VS-4 # 11	O/C ✓			
6	West side Cooling Tower by VS-4 # 12	✓O/C			
7	N.W. Corner Chemical Storage #1	✓O/C			
8	N.E. Corner Chemical Storage # 2	✓O/C			
9	East Side W.T. by Multimedia Filters # 3	✓O/C			
10	East Side W.T. by Multimedia Filters # 5	✓O/C			
11	North Side Bldg 10 # 6	✓O/C			
12	Between MP-444's and Water Treat # 4	O/C ✓			
13	West Side Power Block Valve Shed #1	N/A O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☐	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☑ Date: 1/20/24 Operator PAT

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	0	O/C	✓	Y ☑ N ☐	
2	SG Unit 2	B1-2		O/C	✓	Y ☑ N ☐	
3	Reheaters	B1-3		O/C	✓	Y ☑ N ☐	
4	Rack 2 West HTF	B1-4		O/C	✓	Y ☑ N ☐	
5	Rack 2 East HTF	B1-5		O/C	✓	Y ☑ N ☐	
6	North Steel Pro	B1-6		O/C	✓	Y ☑ N ☐	
7	HTF Pumps	B1-7		O/C	✓	Y ☑ N ☐	
8	HTF Heaters	B1-8		O/C	✓	Y ☑ N ☐	
9	South Steel Pro	B1-9		O/C	✓	Y ☑ N ☐	
10	Lube Oil	B1-10		O/C	✓	Y ☑ N ☐	
11	Turbine Hose Stations	B1-11		O/C	✓	Y ☑ N ☐	
12	Turbine Bearings	B1-12		O/C	✓	Y ☑ N ☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	162	O/C	✓	Y ☑ N ☐	
2	Ullage Area	B2-2	162	O/C	✓	Y ☑ N ☐	
3	Ullage Structure	B2-11	161	O/C	✓	Y ☑ N ☐	
4	Rack 1 Middle Area	B2-5	162	O/C	✓	Y ☑ N ☐	
5	Overflow Tanks	B2-9	156	O/C	✓	Y ☑ N ☐	
6	Rack 1 South Area	B2-6	159	O/C	✓	Y ☑ N ☐	
7	Rack 1 West	B2-7	158	O/C	✓	Y ☑ N ☐	
8	Rack 1 North Area	B2-4	159	O/C	✓	Y ☐ N ☑	
9	Over flow AFFF	B2-8	162	O/C	✓	Y ☐ N ☑	
10	Expansion Vessel AFFF	B2-3	163	O/C	✓	Y ☐ N ☑	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	163	O/C	✓	Y ☑ N ☐	
2	Transformer Main	160	O/C	✓	Y ☑ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	159	O/C	✓	Y ☑ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	157	O/C	157 ✓	Y ☑ N ☐	
2	Offices	B4-3	156	O/C	156 ✓	Y ☑ N ☐	
3	Electrical Room	B4-4	163	O/C	163 ✓	Y ☐ N ☑	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☐ N ☑	O/C	
2	Bearing 3	Y ☐ N ☑	O/C	
3	Bearing 4	Y ☐ N ☑	O/C	
4	Bearing 5	Y ☐ N ☑	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☐ N ☑	O/C	
2	MP-200A	Y ☑ N ☐	O/C	
3	MP-200B	Y ☑ N ☐	O/C	
4	MP-200C	Y ☑ N ☐	O/C	
5	MP-200D	Y ☑ N ☐	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	175	O	Y ☑ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C			
2	Maintenance Shop Drive Way #8	O/C			
3	West Side Power Block by VS-3 # 9	O/C			
4	West Side Power Block by VS-1 # 10	O/C			
5	West Side Cooling Tower by VS-4 # 11	O/C			
6	West side Cooling Tower by VS-4 # 12	O/C			
7	N.W. Corner Chemical Storage #1	O/C			
8	N.E. Corner Chemical Storage # 2	O/C			
9	East Side W.T. by Multimedia Filters # 3	O/C			
10	East Side W.T. by Multimedia Filters # 5	O/C			
11	North Side Bldg 10 # 6	O/C			
12	Between MP-444's and Water Treat # 4	O/C			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris		Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☐		

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐ Date: 1/28/24

Operator: Erick Carrillo *To be completed each time unit is operated.

Reason for running pumps: Weekly test ☐ Maintenance ☐ Emergency ☐

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155.

Discharge Pressure: 162.

Pump Suction Pressure: N/A no gauge Pump Discharge pressure: 162

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145.

Start time: 1900

Pump Suction Pressure: 12. Pump Discharge pressure: 150

Stop time: 19:10. Total time running 10min.

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☐ No ☑ false level. Monthly Fuel Consumption:

Battery volt Crank 1: 27.3 Battery volt Crank 2: 27.3.	Battery Condition: Good (6.16.21) battery terminal.
Starting hour meter: 130.9.	Start time: 19:10.
Oil pressure start: 67	Oil Pressure finish: 39 psi

Pump Suction Pressure: 15. Pump Discharge pressure: 160

Coolant temperature after 30 minutes running: 138°F. (207°F)

Stop time: 19:18 Stop hour meter:. 131.0 Total time running: 8min.

Comments: 1760 RPM. oil pan leak. Corrective action (Increase Raw water Flow) Fault (Charge Air cooler Temp out of Range (High)

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 1/24/24 Operator Diego R.

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	0	O/C	✓	Y☐ N☑	
2	SG Unit 2	B1-2	110	O/C	✓	Y☐ N☑	
3	Reheaters	B1-3	0	O/C	✓	Y☐ N☑	
4	Rack 2 West HTF	B1-4	150	O/C	✓	Y☐ N☑	
5	Rack 2 East HTF	B1-5	90	O/C	✓	Y☐ N☑	
6	North Steel Pro	B1-6	155	O/C	✓	Y☐ N☑	
7	HTF Pumps	B1-7	0	O/C	✓	Y☐ N☑	
8	HTF Heaters	B1-8	115	O/C	✓	Y☐ N☑	
9	South Steel Pro	B1-9	130	O/C	✓	Y☐ N☑	
10	Lube Oil	B1-10	170	O/C	✓	Y☐ N☑	
11	Turbine Hose Stations	B1-11	80	O/C	✓	Y☐ N☑	
12	Turbine Bearings	B1-12	0	O/C	✓	Y☐ N☑	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	145	O/C	✓	Y☑ N☐	
2	Ullage Area	B2-2	150	O/C	✓	Y☑ N☐	
3	Ullage Structure	B2-11	140	O/C	✓	Y☑ N☐	
4	Rack 1 Middle Area	B2-5	160	O/C	✓	Y☑ N☐	
5	Overflow Tanks	B2-9	155	O/C	✓	Y☑ N☐	
6	Rack 1 South Area	B2-6	145	O/C	✓	Y☑ N☐	
7	Rack 1 West	B2-7	185	O/C	✓	Y☑ N☐	
8	Rack 1 North Area	B2-4	150	O/C	✓	Y☑ N☐	
9	Over flow AFFF	B2-8	140	O/C	✓	Y☑ N☐	
10	Expansion Vessel AFFF	B2-3	165	O/C	✓	Y☐ N☑	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	100	O/C	✓	Y☑ N☐	
2	Transformer Main	130	O/C	✓	Y☑ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	140	O/C	✗	Y☑ N☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	160	O/C	✓	Y☑ N☐	
2	Offices	B4-3	160	O/C	✓	Y☑ N☐	
3	Electrical Room	B4-4	140	O/C	✓	Y☑ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☑ N☐	O/C	
2	Bearing 3	Y☑ N☐	O/C	
3	Bearing 4	Y☑ N☐	O/C	
4	Bearing 5	Y☑ N☐	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☐ N☑	O/C	
2	MP-200A	Y☐ N☑	O/C	
3	MP-200B	Y☑ N☐	O/C	
4	MP-200C	Y☑ N☐	O/C	
5	MP-200D	Y☐ N☑	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	165	O	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C			
2	Maintenance Shop Drive Way #8	O/C			
3	West Side Power Block by VS-3 # 9	O/C			
4	West Side Power Block by VS-1 # 10	O/C			
5	West Side Cooling Tower by VS-4 # 11	O/C			
6	West side Cooling Tower by VS-4 # 12	O/C			
7	N.W. Corner Chemical Storage #1	O/C			
8	N.E. Corner Chemical Storage # 2	O/C			
9	East Side W.T. by Multimedia Filters # 3	O/C			
10	East Side W.T. by Multimedia Filters # 5	O/C			
11	North Side Bldg 10 # 6	O/C			
12	Between MP-444's and Water Treat # 4	O/C			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☑	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☐ Beta ☑ Date: 1/27/24

Operator: Caleb Sowards *To be completed each time unit is operated.

Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 165

Discharge Pressure: 170

Pump Suction Pressure: 15 Pump Discharge pressure: 170

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 0712

Pump Suction Pressure: 15 Pump Discharge pressure: 154

Stop time: 0722 Total time running 10 min

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☑ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: 26 Battery volt Crank 2: 24 Battery Condition: good

Starting hour meter: 134.2 Start time: 0650

Oil pressure start: 60 Oil Pressure finish: 30

Pump Suction Pressure: 15 Pump Discharge pressure: 150

Coolant temperature after 30 minutes running: 198

Stop time: 0710 Stop hour meter: 134.5 Total time running: 20 min

Comments:

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

te: Fuel consumption 27 gal/ h approximately.

here is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☑ Date: 1/28/24 Operator Caleb

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	Valved Out	O/C		Y ☐ N ☐	
2	SG Unit 2	B1-2		O/C		Y ☐ N ☐	
3	Reheaters	B1-3		O/C		Y ☐ N ☐	
4	Rack 2 West HTF	B1-4		O/C		Y ☐ N ☐	
5	Rack 2 East HTF	B1-5		O/C		Y ☐ N ☐	
6	North Steel Pro	B1-6		O/C		Y ☐ N ☐	
7	HTF Pumps	B1-7		O/C		Y ☐ N ☐	
8	HTF Heaters	B1-8		O/C		Y ☐ N ☐	
9	South Steel Pro	B1-9		O/C		Y ☐ N ☐	
10	Lube Oil	B1-10		O/C		Y ☐ N ☐	
11	Turbine Hose Stations	B1-11		O/C		Y ☐ N ☐	
12	Turbine Bearings	B1-12		O/C		Y ☐ N ☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	Valved	O/C	out	Y ☐ N ☑	
2	Ullage Area	B2-2	160	✓O/C	✓	Y ☑ N ☐	
3	Ullage Structure	B2-11	165	✓O/C	✓	Y ☑ N ☐	
4	Rack 1 Middle Area	B2-5	165	✓O/C	✓	Y ☑ N ☐	
5	Overflow Tanks	B2-9	165	✓O/C	✓	Y ☑ N ☐	
6	Rack 1 South Area	B2-6	Valved	O/C	out	Y ☐ N ☑	
7	Rack 1 West	B2-7	180	✓O/C	✓	Y ☑ N ☐	
8	Rack 1 North Area	B2-4	160	✓O/C	✓	Y ☑ N ☐	
9	Over flow AFFF	B2-8	168	✓O/C	✓	Y ☑ N ☐	
10	Expansion Vessel AFFF	B2-3	165	✓O/C	✓	Y ☑ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	165	✓O/C	✓	Y ☑ N ☐	
2	Transformer Main	160	✓O/C	✓	Y ☑ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	Valved	O/C ✓	out	Y ☐ N ☑	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	165	✓O/C	✓	Y ☑ N ☐	
2	Offices	B4-3	160	✓O/C	✓	Y ☑ N ☐	
3	Electrical Room	B4-4	165	✓O/C	✓	Y ☑ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☑ N ☐	✓O/C	
2	Bearing 3	Y ☑ N ☐	✓O/C	
3	Bearing 4	Y ☑ N ☐	✓O/C	
4	Bearing 5	Y ☑ N ☐	✓O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☑ N ☐	✓O/C	
2	MP-200A	Y ☑ N ☐	✓O/C	
3	MP-200B	Y ☑ N ☐	✓O/C	
4	MP-200C	Y ☑ N ☐	✓O/C	
5	MP-200D	Y ☑ N ☐	✓O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	168	O	Y ☑ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	✓O/C	No		
2	Maintenance Shop Drive Way #8	O/C ✓			
3	West Side Power Block by VS-3 # 9	✓O/C			
4	West Side Power Block by VS-1 # 10	✓O/C ✓			
5	West Side Cooling Tower by VS-4 # 11	✓O/C			
6	West side Cooling Tower by VS-4 # 12	✓O/C			
7	N.W. Corner Chemical Storage #1	✓O/C			
8	N.E. Corner Chemical Storage # 2	✓O/C			
9	East Side W.T. by Multimedia Filters # 3	✓O/C			
10	East Side W.T. by Multimedia Filters # 5	✓O/C			
11	North Side Bldg 10 # 6	✓O/C			
12	Between MP-444's and Water Treat # 4	O/C ✓			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☑	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐	Date: 2/3/24
Operator: Diego Rodriguez	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155 psi

Discharge Pressure: 165 psi

Pump Suction Pressure: — Pump Discharge pressure: 165 psi

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145 psi

Start time: 2310

Pump Suction Pressure: 10 psi Pump Discharge pressure: 165 psi

Stop time: 2320 Total time running 10 MINS.

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☐ Oil ☐ Mechanical ☐ Valves ☐ Water Jacket Heater ☐

Fuel level > 2/3: Yes ☐ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: Battery volt Crank 2:	Battery Condition:
Starting hour meter:	Start time:
Oil pressure start:	Oil Pressure finish:

Pump Suction Pressure: Pump Discharge pressure:

Coolant temperature after 30 minutes running:

Stop time: Stop hour meter: Total time running:

Comments: N/A Low Fuel

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 2/4/24 Operator Diego R.

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	0	O/C	✓	Y☐ N☑	
2	SG Unit 2	B1-2	110	O/C	✓	Y☐ N☑	
3	Reheaters	B1-3	0	O/C	✓	Y☐ N☑	closed.
4	Rack 2 West HTF	B1-4	150	O/C	✓	Y☐ N☑	
5	Rack 2 East HTF	B1-5	0	O/C	✓	Y☐ N☑	
6	North Steel Pro	B1-6	155	O/C	✓	Y☐ N☑	
7	HTF Pumps	B1-7	0	O/C	✓	Y☐ N☑	
8	HTF Heaters	B1-8	110	O/C	✓	Y☐ N☑	
9	South Steel Pro	B1-9	115	O/C	✓	Y☐ N☑	
10	Lube Oil	B1-10	90	O/C	✓	Y☐ N☑	close d
11	Turbine Hose Stations	B1-11	110	O/C	✓	Y☐ N☑	close d
12	Turbine Bearings	B1-12	0	O/C	✓	Y☐ N☑	closed

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1		O/C	✓	Y☐ N☑	LOTO.
2	Ullage Area	B2-2	160	O/C	✓	Y☑ N☐	160
3	Ullage Structure	B2-11	140	O/C	✓	Y☑ N☐	
4	Rack 1 Middle Area	B2-5	175	O/C	✓	Y☑ N☐	
5	Overflow Tanks	B2-9	155	O/C	✓	Y☑ N☐	
6	Rack 1 South Area	B2-6	0	O/C	✓	Y☐ N☑	LOTO
7	Rack 1 West	B2-7	160	O/C	✓	Y☑ N☐	
8	Rack 1 North Area	B2-4	170	O/C	✓	Y☑ N☐	
9	Over flow AFFF	B2-8	160	O/C	✓	Y☑ N☐	
10	Expansion Vessel AFFF	B2-3	160	O/C	✓	Y☑ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	155	O/C	✓	Y☑ N☐	
2	Transformer Main	155	O/C	✓	Y☑ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Cooling Tower West Side	160	O/C	✗	Y☑ N☐	160.

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	160	O/C	✓	Y☑ N☐	
2	Offices	B4-3	160	O/C	✓	Y☑ N☐	
3	Electrical Room	B4-4	160	O/C	✓	Y☐ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☑ N☐	O/C	
2	Bearing 3	Y☑ N☐	O/C	
3	Bearing 4	Y☑ N☐	O/C	
4	Bearing 5	Y☑ N☐	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☐ N☑	O/C	
2	MP-200A	Y☐ N☑	O/C	
3	MP-200B	Y☑ N☐	O/C	
4	MP-200C	Y☑ N☐	O/C	
5	MP-200D	Y☐ N☑	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	200	O	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C			
2	Maintenance Shop Drive Way #8	O/C			
3	West Side Power Block by VS-3 # 9	O/C			
4	West Side Power Block by VS-1 # 10	O/C			
5	West Side Cooling Tower by VS-4 # 11	O/C			
6	West side Cooling Tower by VS-4 # 12	O/C			
7	N.W. Corner Chemical Storage #1	O/C			
8	N.E. Corner Chemical Storage # 2	O/C			
9	East Side W.T. by Multimedia Filters # 3	O/C			
10	East Side W.T. by Multimedia Filters # 5	O/C			
11	North Side Bldg 10 # 6	O/C			
12	Between MP-444's and Water Treat # 4	O/C			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☑	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐	Date: 2/10/24
Operator: Diego Rodriguez	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155 psi

Discharge Pressure: 165 psi

Pump Suction Pressure: / Pump Discharge pressure: 165 psi

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145 psi

Start time: 2230

Pump Suction Pressure: 10 psi Pump Discharge pressure: 165 psi

Stop time: 2240 Total time running 10 mins.

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☐ Oil ☐ Mechanical ☐ Valves ☐ Water Jacket Heater ☐

Fuel level > 2/3: Yes ☐ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: Battery volt Crank 2:	Battery Condition:
Starting hour meter:	Start time:
Oil pressure start:	Oil Pressure finish:

Pump Suction Pressure: Pump Discharge pressure:

Coolant temperature after 30 minutes running:

Stop time: Stop hour meter: Total time running:

Comments:

N/A Low Fuel

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 2-10-24 Operator Jose Garcia

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1		O/C	✓	Y ☑ N ☐	
2	SG Unit 2	B1-2		O/C	✓	Y ☑ N ☐	
3	Reheaters	B1-3		O/C	✓	Y ☑ N ☐	
4	Rack 2 West HTF	B1-4		O/C	✓	Y ☑ N ☐	
5	Rack 2 East HTF	B1-5		O/C	✓	Y ☑ N ☐	
6	North Steel Pro	B1-6		O/C	✓	Y ☑ N ☐	
7	HTF Pumps	B1-7		O/C	✓	Y ☑ N ☐	
8	HTF Heaters	B1-8		O/C	✓	Y ☑ N ☐	
9	South Steel Pro	B1-9		O/C	✓	Y ☑ N ☐	
10	Lube Oil	B1-10		O/C ✓	✓	Y ☑ N ☐	
11	Turbine Hose Stations	B1-11		O/C	✓	Y ☑ N ☐	
12	Turbine Bearings	B1-12		O/C	✓	Y ☑ N ☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1		O/C ✓	✓	Y ☑ N ☐	loto out
2	Ullage Area	B2-2		✓ O/C	✓	Y ☑ N ☐	
3	Ullage Structure	B2-11		✓ O/C	✓	Y ☑ N ☐	
4	Rack 1 Middle Area	B2-5		✓ O/C	✓	Y ☑ N ☐	
5	Overflow Tanks	B2-9		✓ O/C	✓	Y ☑ N ☐	
6	Rack 1 South Area	B2-6		O/C ✓	✓	Y ☑ N ☐	loto out
7	Rack 1 West	B2-7		✓ O/C	✓	Y ☑ N ☐	
8	Rack 1 North Area	B2-4		✓ O/C	✓	Y ☑ N ☐	
9	Over flow AFFF	B2-8		✓ O/C	✓	Y ☑ N ☐	
10	Expansion Vessel AFFF	B2-3		✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	0	O/C ✓	✓	Y ☑ N ☐	loto out
2	Transformer Main	150	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	160	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	160	✓ O/C	✓	Y ☑ N ☐	
2	Offices	B4-3	160	✓ O/C	✓	Y ☑ N ☐	
3	Electrical Room	B4-4	160	✓ O/C	✓	Y ☑ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Vjv. Pos.	Comments
1	Bearing 2	Y ☑ N ☐	✓ O/C	
2	Bearing 3	Y ☑ N ☐	✓ O/C	
3	Bearing 4	Y ☑ N ☐	✓ O/C	
4	Bearing 5	Y ☑ N ☐	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☑ N ☐	✓ O/C	
2	MP-200A	Y ☑ N ☐	✓ O/C	
3	MP-200B	Y ☑ N ☐	✓ O/C	
4	MP-200C	Y ☑ N ☐	✓ O/C	
5	MP-200D	Y ☑ N ☐	✓ O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	190	Open	Y ☑ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C ✓		2-10	
2	Maintenance Shop Drive Way #8	✓ O/C		2-10	
3	West Side Power Block by VS-3 # 9	✓ O/C		2-10	
4	West Side Power Block by VS-1 # 10	O/C ✓		2-10	loto out
5	West Side Cooling Tower by VS-4 # 11	O/C ✓		2-10	
6	West side Cooling Tower by VS-4 # 12	✓ O/C		2-10	
7	N.W. Corner Chemical Storage #1	O/C ✓		2-10	
8	N.E. Corner Chemical Storage # 2	✓ O/C		2-10	
9	East Side W.T. by Multimedia Filters # 3	✓ O/C		2-10	
10	East Side W.T. by Multimedia Filters # 5	✓ O/C		2-10	
11	North Side Bldg 10 # 6	✓ O/C		2-10	
12	Between MP-444's and Water Treat # 4	O/C ✓		2-10	
13	West Side Power Block Valve Shed #1	O/C		N/A	

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☑	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐	Date: 2/17/24
Operator: Diego Rodriguez	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155 psi

Discharge Pressure: 165 psi

Pump Suction Pressure: / Pump Discharge pressure: 165 psi

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145 psi

Start time: 2150

Pump Suction Pressure: 10 psi Pump Discharge pressure: 165 psi

Stop time: 2200 Total time running 10 mins.

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☐ Oil ☐ Mechanical ☐ Valves ☐ Water Jacket Heater ☐

Fuel level > 2/3: Yes ☐ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: Battery volt Crank 2:	Battery Condition:
Starting hour meter:	Start time:
Oil pressure start:	Oil Pressure finish:
Pump Suction Pressure:	Pump Discharge pressure:

Coolant temperature after 30 minutes running:

Stop time: Stop hour meter: Total time running:

Comments:

N/A Low Fuel

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 2-16-24 Operator Jose Garcia

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	0	O/C ✓		Y ☑ N ☐	
2	SG Unit 2	B1-2	0	O/C ✓		Y ☑ N ☐	
3	Reheaters	B1-3	0	O/C ✓		Y ☑ N ☐	
4	Rack 2 West HTF	B1-4	0	O/C ✓		Y ☑ N ☐	
5	Rack 2 East HTF	B1-5	0	O/C ✓		Y ☑ N ☐	
6	North Steel Pro	B1-6	0	O/C ✓		Y ☑ N ☐	
7	HTF Pumps	B1-7	0	O/C ✓		Y ☑ N ☐	
8	HTF Heaters	B1-8	0	O/C ✓		Y ☑ N ☐	
9	South Steel Pro	B1-9	0	O/C ✓		Y ☑ N ☐	
10	Lube Oil	B1-10	0	O/C ✓		Y ☑ N ☐	
11	Turbine Hose Stations	B1-11	0	O/C ✓		Y ☑ N ☐	
12	Turbine Bearings	B1-12	0	O/C ✓		Y ☑ N ☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	0	O/C ✓		Y ☑ N ☐	lots out
2	Ullage Area	B2-2	0	✓ O/C		Y ☑ N ☐	
3	Ullage Structure	B2-11	0	✓ O/C		Y ☑ N ☐	
4	Rack 1 Middle Area	B2-5	0	✓ O/C		Y ☑ N ☐	
5	Overflow Tanks	B2-9	0	✓ O/C		Y ☑ N ☐	
6	Rack 1 South Area	B2-6	0	O/C ✓		Y ☑ N ☐	loto out
7	Rack 1 West	B2-7	0	✓ O/C		Y ☑ N ☐	
8	Rack 1 North Area	B2-4	0	✓ O/C		Y ☑ N ☐	
9	Over flow AFFF	B2-8	0	✓ O/C		Y ☑ N ☐	
10	Expansion Vessel AFFF	B2-3	0	✓ O/C		Y ☑ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	0	O/C ✓	✓	Y ☑ N ☐	loto out
2	Transformer Main	160	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	160	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	170	✓ O/C	✓	Y ☑ N ☐	
2	Offices	B4-3	170	✓ O/C	✓	Y ☑ N ☐	
3	Electrical Room	B4-4	170	✓ O/C	✓	Y ☑ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☑ N ☐	✓ O/C	
2	Bearing 3	Y ☑ N ☐	✓ O/C	
3	Bearing 4	Y ☑ N ☐	✓ O/C	
4	Bearing 5	Y ☑ N ☐	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☑ N ☐	✓ O/C	
2	MP-200A	Y ☑ N ☐	✓ O/C	
3	MP-200B	Y ☑ N ☐	✓ O/C	
4	MP-200C	Y ☑ N ☐	✓ O/C	
5	MP-200D	Y ☑ N ☐	✓ O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	190 1800	0	Y ☑ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C ✓			
2	Maintenance Shop Drive Way #8	✓ O/C			
3	West Side Power Block by VS-3 # 9	✓ O/C			
4	West Side Power Block by VS-1 # 10	O/C ✓			loto out
5	West Side Cooling Tower by VS-4 # 11	O/C ✓			
6	West side Cooling Tower by VS-4 # 12	✓ O/C			
7	N.W. Corner Chemical Storage #1	✓ O/C ✓			
8	N.E. Corner Chemical Storage # 2	✓ O/C			
9	East Side W.T. by Multimedia Filters # 3	✓ O/C			
10	East Side W.T. by Multimedia Filters # 5	✓ O/C			
11	North Side Bldg 10 # 6	✓ O/C			
12	Between MP-444's and Water Treat # 4	O/C ✓			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris		Comments / Actions
1	Transformer Yard Refuse Check	Y ☑ N ☐		

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐	Date: 2/24/24
Operator: Diego Rodriguez	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155 psi

Discharge Pressure: 165 psi

Pump Suction Pressure: _____ Pump Discharge pressure: 165 psi

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145 psi

Start time: 2234

Pump Suction Pressure: 10 psi Pump Discharge pressure: 165 psi

Stop time: 2244 Total time running 10 mins

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☐ Oil ☐ Mechanical ☐ Valves ☐ Water Jacket Heater ☐

Fuel level > 2/3: Yes ☐ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: Battery volt Crank 2:	Battery Condition:
Starting hour meter:	Start time:
Oil pressure start:	Oil Pressure finish:

Pump Suction Pressure: Pump Discharge pressure:

Coolant temperature after 30 minutes running:

Stop time: Stop hour meter: Total time running:

Comments:

N/A Low Fuel

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 2-24-24 Operator Jose G.

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	0	O/C ✓		Y ☑ N ☐	
2	SG Unit 2	B1-2	0	O/C ✓		Y ☑ N ☐	
3	Reheaters	B1-3	0	O/C ✓		Y ☑ N ☐	
4	Rack 2 West HTF	B1-4	0	O/C ✓		Y ☑ N ☐	
5	Rack 2 East HTF	B1-5	0	O/C ✓		Y ☑ N ☐	
6	North Steel Pro	B1-6	0	O/C ✓		Y ☑ N ☐	
7	HTF Pumps	B1-7	0	O/C ✓		Y ☑ N ☐	
8	HTF Heaters	B1-8	0	O/C ✓		Y ☑ N ☐	
9	South Steel Pro	B1-9	0	O/C ✓		Y ☑ N ☐	
10	Lube Oil	B1-10	0	O/C ✓		Y ☑ N ☐	
11	Turbine Hose Stations	B1-11	0	O/C ✓		Y ☑ N ☐	
12	Turbine Bearings	B1-12	0	O/C ✓		Y ☑ N ☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	0	O/C ✓		Y ☑ N ☐	loto out
2	Ullage Area	B2-2		✓ O/C		Y ☑ N ☐	
3	Ullage Structure	B2-11		✓ O/C		Y ☑ N ☐	
4	Rack 1 Middle Area	B2-5		✓ O/C		Y ☑ N ☐	
5	Overflow Tanks	B2-9		✓ O/C		Y ☑ N ☐	
6	Rack 1 South Area	B2-6		✓ O/C		Y ☑ N ☐	loto out
7	Rack 1 West	B2-7		✓ O/C		Y ☑ N ☐	
8	Rack 1 North Area	B2-4		✓ O/C		Y ☑ N ☐	
9	Over flow AFFF	B2-8		✓ O/C		Y ☑ N ☐	
10	Expansion Vessel AFFF	B2-3		✓ O/C		Y ☑ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	0	O/C ✓		Y ☑ N ☐	loto out
2	Transformer Main	100	✓ O/C		Y ☑ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	100	✓ O/C		Y ☑ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	100	✓ O/C		Y ☑ N ☐	
2	Offices	100	✓ O/C		Y ☑ N ☐	
3	Electrical Room	100	✓ O/C		Y ☑ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☑ N ☐	✓ O/C	
2	Bearing 3	Y ☑ N ☐	✓ O/C	
3	Bearing 4	Y ☑ N ☐	✓ O/C	
4	Bearing 5	Y ☑ N ☐	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☑ N ☐	✓ O/C	
2	MP-200A	Y ☑ N ☐	✓ O/C	
3	MP-200B	Y ☑ N ☐	✓ O/C	
4	MP-200C	Y ☑ N ☐	✓ O/C	
5	MP-200D	Y ☑ N ☐	✓ O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge			Y ☐ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C ✓			
2	Maintenance Shop Drive Way #8	✓ O/C			
3	West Side Power Block by VS-3 # 9	✓ O/C			
4	West Side Power Block by VS-1 # 10	O/C ✓			loto out
5	West Side Cooling Tower by VS-4 # 11	O/C ✓			
6	West side Cooling Tower by VS-4 # 12	✓ O/C			
7	N.W. Corner Chemical Storage #1	O/C ✓			
8	N.E. Corner Chemical Storage # 2	✓ O/C			
9	East Side W.T. by Multimedia Filters # 3	✓ O/C			
10	East Side W.T. by Multimedia Filters # 5	✓ O/C			
11	North Side Bldg 10 # 6	✓ O/C			
12	Between MP-444's and Water Treat # 4	O/C ✓			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris		Comments / Actions
1	Transformer Yard Refuse Check	Y ☑ N ☐		

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☐ Beta ☑	Date: 2/3/24
Operator: Anthony	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: 163

Pump Suction Pressure: — Pump Discharge pressure: —

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 1922

Pump Suction Pressure: 20 Pump Discharge pressure: 150

Stop time: 1932 Total time running 10 min

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☐ No ☑ Monthly Fuel Consumption: —

Battery volt Crank 1: 26 Battery volt Crank 2: 24	Battery Condition: Good
Starting hour meter: 134.5	Start time: 1934
Oil pressure start: 1[redacted]	Oil Pressure finish: 31

Pump Suction Pressure: 20 Pump Discharge pressure: 150

Coolant temperature after 30 minutes running: 203

Stop time: 1949 Stop hour meter: 134.7 Total time running: 14 min

Comments: 0.1 leak above cooling water line, Overheated @ 202 after 14 min

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

ote: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☑ Date: 2-4-24 Operator Caleb Sowards

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	valved	O/C		Y ☐ N ☐	
2	SG Unit 2	B1-2	Out	O/C		Y ☐ N ☐	
3	Reheaters	B1-3		O/C		Y ☐ N ☐	
4	Rack 2 West HTF	B1-4		O/C		Y ☐ N ☐	
5	Rack 2 East HTF	B1-5		O/C		Y ☐ N ☐	
6	North Steel Pro	B1-6		O/C		Y ☐ N ☐	
7	HTF Pumps	B1-7		O/C		Y ☐ N ☐	
8	HTF Heaters	B1-8		O/C		Y ☐ N ☐	
9	South Steel Pro	B1-9		O/C		Y ☐ N ☐	
10	Lube Oil	B1-10		O/C		Y ☐ N ☐	
11	Turbine Hose Stations	B1-11		O/C		Y ☐ N ☐	
12	Turbine Bearings	B1-12		O/C		Y ☐ N ☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	valved	O/C ✓	Out	Y ☐ N ☐	
2	Ullage Area	B2-2	190	✓ O/C	✓	Y ☑ N ☐	
3	Ullage Structure	B2-11	185	✓ O/C	✓	Y ☑ N ☐	
4	Rack 1 Middle Area	B2-5	160	✓ O/C	✓	Y ☑ N ☐	
5	Overflow Tanks	B2-9	160	✓ O/C	✓	Y ☑ N ☐	
6	Rack 1 South Area	B2-6	valved	O/C ✓	out	Y ☑ N ☐	
7	Rack 1 West	B2-7	190	✓ O/C	✓	Y ☑ N ☐	
8	Rack 1 North Area	B2-4	164	✓ O/C	✓	Y ☑ N ☐	
9	Over flow AFFF	B2-8	165	✓ O/C	✓	Y ☑ N ☐	
10	Expansion Vessel AFFF	B2-3	165	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	165	✓ O/C	✓	Y ☑ N ☐	
2	Transformer Main	170	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	valved	O/C	out	Y ☐ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	165	✓ O/C	✓	Y ☑ N ☐	
2	Offices	B4-3	170	✓ O/C	✓	Y ☑ N ☐	
3	Electrical Room	B4-4	160	✓ O/C	✓	Y ☑ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☑ N ☐	✓ O/C	
2	Bearing 3	Y ☑ N ☐	✓ O/C	
3	Bearing 4	Y ☑ N ☐	✓ O/C	
4	Bearing 5	Y ☑ N ☐	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☑ N ☐	✓ O/C	
2	MP-200A	Y ☑ N ☐	✓ O/C	
3	MP-200B	Y ☑ N ☐	✓ O/C	
4	MP-200C	Y ☑ N ☐	✓ O/C	
5	MP-200D	Y ☑ N ☐	✓ O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	167	✓	Y ☑ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	✓ O/C			
2	Maintenance Shop Drive Way #8	O/C ✓			
3	West Side Power Block by VS-3 # 9	✓ O/C			
4	West Side Power Block by VS-1 # 10	O/C ✓			
5	West Side Cooling Tower by VS-4 # 11	✓ O/C			
6	West side Cooling Tower by VS-4 # 12	✓ O/C			
7	N.W. Corner Chemical Storage #1	✓ O/C			
8	N.E. Corner Chemical Storage # 2	✓ O/C			
9	East Side W.T. by Multimedia Filters # 3	✓ O/C			
10	East Side W.T. by Multimedia Filters # 5	✓ O/C			
11	North Side Bldg 10 # 6	✓ O/C			
12	Between MP-444's and Water Treat # 4	O/C ✓			
13	West Side Power Block Valve Shed #1	✓ O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris		Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☑		

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☐ Beta ☑ | Date: 2/11/24

Operator: Anthony | *To be completed each time unit is operated.

Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: 163

Pump Suction Pressure: — Pump Discharge pressure: —

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 2213

Pump Suction Pressure: 20 Pump Discharge pressure: 150

Stop time: 2223 Total time running 10 min

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☐ No ☑ Monthly Fuel Consumption: —

Battery volt Crank 1: 26 Battery volt Crank 2: 24 | Battery Condition: Good

Starting hour meter: 134.7 | Start time: 2226

Oil pressure start: 1 | Oil Pressure finish: 27

Pump Suction Pressure: 20 Pump Discharge pressure: 150

Coolant temperature after 30 minutes running: 212 after 16 min

Stop time: 2241 Stop hour meter: 134.9 Total time running: 16 min

Comments:

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☒ Date: 2-10-24 Operator Efrain

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	0	O/C ✓	✓	Y ☐ N ☒	
2	SG Unit 2	B1-2	0	O/C ✗	✓	Y ☐ N ☒	
3	Reheaters	B1-3	0	O/C ✗	✓	Y ☐ N ☒	
4	Rack 2 West HTF	B1-4	0	O/C ✗	✓	Y ☐ N ☒	
5	Rack 2 East HTF	B1-5	0	O/C ✗	✓	Y ☐ N ☒	
6	North Steel Pro	B1-6	0	O/C ✗	✓	Y ☐ N ☒	
7	HTF Pumps	B1-7	0	O/C ✗	✓	Y ☐ N ☒	
8	HTF Heaters	B1-8	0	O/C ✗	✓	Y ☐ N ☒	
9	South Steel Pro	B1-9	0	O/C ✗	✓	Y ☐ N ☒	
10	Lube Oil	B1-10	0	O/C ✗	✓	Y ☒ N ☐	lock
11	Turbine Hose Stations	B1-11	0	O/C ✗	✓	Y ☐ N ☐	
12	Turbine Bearings	B1-12	0	O/C ✗	✓	Y ☒ N ☐	lock

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	0	O/C ✗	✓	Y ☒ N ☐	lock
2	Ullage Area	B2-2	0	✓ O/C	✓	Y ☒ N ☐	
3	Ullage Structure	B2-11	0	✓ O/C	✓	Y ☒ N ☐	
4	Rack 1 Middle Area	B2-5	0	✓ O/C	✓	Y ☒ N ☐	
5	Overflow Tanks	B2-9	0	✓ O/C	✓	Y ☒ N ☐	
6	Rack 1 South Area	B2-6	0	O/C ✗	✓	Y ☒ N ☐	lock
7	Rack 1 West	B2-7	0	✓ O/C	✓	Y ☒ N ☐	
8	Rack 1 North Area	B2-4	0	✓ O/C	✓	Y ☒ N ☐	
9	Over flow AFFF	B2-8	0	✓ O/C	✓	Y ☒ N ☐	
10	Expansion Vessel AFFF	B2-3	0	✓ O/C	✓	Y ☒ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	160	✓ O/C	✓	Y ☒ N ☐	
2	Transformer Main	160	✓ O/C	✓	Y ☒ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	0	O/C ✗	✓	Y ☒ N ☐	lock

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	155	✓ O/C	✓	Y ☒ N ☐	
2	Offices	B4-3	155	✓ O/C	✓	Y ☒ N ☐	
3	Electrical Room	B4-4	155	✓ O/C	✓	Y ☒ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☒ N ☐	✓ O/C	
2	Bearing 3	Y ☒ N ☐	✓ O/C	
3	Bearing 4	Y ☒ N ☐	✓ O/C	
4	Bearing 5	Y ☒ N ☐	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☒ N ☐	✓ O/C	
2	MP-200A	Y ☒ N ☐	✓ O/C	
3	MP-200B	Y ☒ N ☐	✓ O/C	
4	MP-200C	Y ☒ N ☐	✓ O/C	
5	MP-200D	Y ☒ N ☐	✓ O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	170	✓	Y ☒ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C ✗			
2	Maintenance Shop Drive Way #8	✓ O/C			
3	West Side Power Block by VS-3 # 9	✓ O/C			
4	West Side Power Block by VS-1 # 10	O/C ✗			lock
5	West Side Cooling Tower by VS-4 # 11	O/C ✗			
6	West side Cooling Tower by VS-4 # 12	✓ O/C			
7	N.W. Corner Chemical Storage #1	O/C ✗			
8	N.E. Corner Chemical Storage # 2	✓ O/C			
9	East Side W.T. by Multimedia Filters # 3	✓ O/C			
10	East Side W.T. by Multimedia Filters # 5	O/C ✗			
11	North Side Bldg 10 # 6	✓ O/C			
12	Between MP-444's and Water Treat # 4	✓ O/C ✗			
13	West Side Power Block Valve Shed #1	✓ O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☒	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☐ Beta ☑	Date: 2-19-24
Operator: Efrain	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☐

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: 167

Pump Suction Pressure: — Pump Discharge pressure: —

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 0043

Pump Suction Pressure: 25 psi Pump Discharge pressure: 150 psi

Stop time: 0053 Total time running 10 min

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☐

Fuel level > 2/3: Yes ☑ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: 26 Battery volt Crank 2: 25	Battery Condition: Good
Starting hour meter: 134.9	Start time: 0055
Oil pressure start: 7 psi	Oil Pressure finish: 28

Pump Suction Pressure: 25 Pump Discharge pressure: 155

Coolant temperature after 30 minutes running: 203 after 14 min

Stop time: 0109 Stop hour meter: 135.1 Total time running: 14 min

Comments: Charge air cooler alarm after 14 min

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☑ Date: 2/18/24 Operator Anthony

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1		O/C		Y☐ N☐	Loto on PIV 10
2	SG Unit 2	B1-2		O/C		Y☐ N☐	
3	Reheaters	B1-3		O/C		Y☐ N☐	
4	Rack 2 West HTF	B1-4		O/C		Y☐ N☐	
5	Rack 2 East HTF	B1-5		O/C		Y☐ N☐	
6	North Steel Pro	B1-6		O/C		Y☐ N☐	
7	HTF Pumps	B1-7		O/C		Y☐ N☐	
8	HTF Heaters	B1-8		O/C		Y☐ N☐	
9	South Steel Pro	B1-9		O/C		Y☐ N☐	
10	Lube Oil	B1-10		O/C		Y☐ N☐	
11	Turbine Hose Stations	B1-11		O/C		Y☐ N☐	
12	Turbine Bearings	B1-12		O/C		Y☐ N☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	—	O/C ✓	✓	Y☑ N☐	Loto
2	Ullage Area	B2-2	165	✓O/C	✓	Y☑ N☐	
3	Ullage Structure	B2-11	160	✓O/C	✓	Y☑ N☐	
4	Rack 1 Middle Area	B2-5	165	✓O/C	✓	Y☑ N☐	
5	Overflow Tanks	B2-9	160	✓O/C	✓	Y☑ N☐	
6	Rack 1 South Area	B2-6	—	O/C ✓	✓	Y☐ N☑	Loto
7	Rack 1 West	B2-7	160	✓O/C	✓	Y☑ N☐	
8	Rack 1 North Area	B2-4	160	✓O/C	✓	Y☑ N☐	
9	Over flow AFFF	B2-8	165	✓O/C	✓	Y☑ N☐	
10	Expansion Vessel AFFF	B2-3	165	✓O/C	✓	Y☑ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	165	✓O/C	✓	Y☑ N☐	
2	Transformer Main	160	✓O/C	✓	Y☑ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side		O/C		Y☐ N☐	Loto

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	160	✓O/C	✓	Y☑ N☐	
2	Offices	B4-3	160	✓O/C	✓	Y☑ N☐	
3	Electrical Room	B4-4	160	✓O/C	✓	Y☑ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☑ N☐	✓O/C	
2	Bearing 3	Y☑ N☐	✓O/C	
3	Bearing 4	Y☑ N☐	✓O/C	
4	Bearing 5	Y☑ N☐	✓O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☑ N☐	✓O/C	
2	MP-200A	Y☑ N☐	✓O/C	
3	MP-200B	Y☑ N☐	✓O/C	
4	MP-200C	Y☑ N☐	✓O/C	
5	MP-200D	Y☑ N☐	✓O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	180	open	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C			
2	Maintenance Shop Drive Way #8	O/C			
3	West Side Power Block by VS-3 # 9	✓O/C			
4	West Side Power Block by VS-1 # 10	O/C ✓			
5	West Side Cooling Tower by VS-4 # 11	✓O/C			
6	West side Cooling Tower by VS-4 # 12	✓O/C			
7	N.W. Corner Chemical Storage #1	O/C ✓			
8	N.E. Corner Chemical Storage # 2	✓O/C			
9	East Side W.T. by Multimedia Filters # 3	✓O/C			
10	East Side W.T. by Multimedia Filters # 5	✓O/C			
11	North Side Bldg 10 # 6	✓O/C			
12	Between MP-444's and Water Treat # 4	O/C ✓			
13	West Side Power Block Valve Shed #1	✓O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☐	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☐ Beta ☑ | Date: 2/25/24

Operator: Efrain Munoz | *To be completed each time unit is operated.

Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: 168

Pump Suction Pressure: — Pump Discharge pressure: —

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 2258

Pump Suction Pressure: 25 psi Pump Discharge pressure: 155 psi

Stop time: Total time running

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☐ No ☑ Monthly Fuel Consumption:

Battery volt Crank 1: 26 Battery volt Crank 2: 24.5 | Battery Condition: Good

Starting hour meter: 135.1 | Start time: 2310

Oil pressure start: 1 | Oil Pressure finish:

Pump Suction Pressure: 25 psi Pump Discharge pressure: 155 psi

Coolant temperature after 30 minutes running: 203 after 14 min

Stop time: 2324 Stop hour meter: 135.3 Total time running: 14 min

Comments: Charge air cooler alarm @ 14 min in

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☑ Date: 2/23/24 Operator Taylor

Valve Shed # 1 by Condenser

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1 B1-1		O/C		Y☐ N☐	
2	SG Unit 2 B1-2		O/C		Y☐ N☐	PIV is valed OUT
3	Reheaters B1-3		O/C		Y☐ N☐	
4	Rack 2 West HTF B1-4		O/C		Y☐ N☐	
5	Rack 2 East HTF B1-5		O/C		Y☐ N☐	
6	North Steel Pro B1-6		O/C		Y☐ N☐	
7	HTF Pumps B1-7		O/C		Y☐ N☐	
8	HTF Heaters B1-8		O/C		Y☐ N☐	
9	South Steel Pro B1-9		O/C		Y☐ N☐	
10	Lube Oil B1-10		O/C		Y☐ N☐	
11	Turbine Hose Stations B1-11		O/C		Y☐ N☐	
12	Turbine Bearings B1-12		O/C		Y☐ N☐	

Valve Shed # 2 by Overflow

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels B2-1		O/C		Y☐ N☐	LOTO
2	Ullage Area B2-2	170	✓O/C	✓	Y☑ N☐	
3	Ullage Structure B2-11	160	✓O/C	✓	Y☑ N☐	
4	Rack 1 Middle Area B2-5	165	✓O/C	✓	Y☑ N☐	
5	Overflow Tanks B2-9	165	✓O/C	✓	Y☑ N☐	
6	Rack 1 South Area B2-6		O/C		Y☐ N☐	LOTO
7	Rack 1 West B2-7	170	✓O/C	✓	Y☑ N☐	
8	Rack 1 North Area B2-4	160	✓O/C	✓	Y☑ N☐	
9	Over flow AFFF B2-8	160	✓O/C	✓	Y☑ N☐	
10	Expansion Vessel AFFF B2-3	160	✓O/C	✓	Y☑ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	165	✓O/C	✓	Y☑ N☐	
2	Transformer Main	160	✓O/C	✓	Y☑ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side		O/C		Y☐ N☐	loto

Valve Shed # 5 by Control Bldg 10

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room B4-5	160	✓O/C	✓	Y☑ N☐	
2	Offices B4-3	160	✓O/C	✓	Y☑ N☐	
3	Electrical Room B4-4	160	✓O/C	✓	Y☑ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☐ N☐	O/C	
2	Bearing 3	Y☐ N☐	O/C	
3	Bearing 4	Y☐ N☐	O/C	
4	Bearing 5	Y☐ N☐	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☐ N☐	O/C	
2	MP-200A	Y☐ N☐	O/C	
3	MP-200B	Y☐ N☐	O/C	
4	MP-200C	Y☐ N☐	O/C	
5	MP-200D	Y☐ N☐	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	180	✓	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C ✓			
2	Maintenance Shop Drive Way #8	✓O/C			
3	West Side Power Block by VS-3 # 9	✓O/C			
4	West Side Power Block by VS-1 # 10	O/C ✓			
5	West Side Cooling Tower by VS-4 # 11	✓O/C			
6	West side Cooling Tower by VS-4 # 12	✓O/C			
7	N.W. Corner Chemical Storage #1	O/C ✓			
8	N.E. Corner Chemical Storage # 2	✓O/C			
9	East Side W.T. by Multimedia Filters # 3	✓O/C			
10	East Side W.T. by Multimedia Filters # 5	✓O/C			
11	North Side Bldg 10 # 6	✓O/C			
12	Between MP-444's and Water Treat # 4	O/C ✓			
13	West Side Power Block Valve Shed #1	✓O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☐	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 3/2/24 Operator Diego R.

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	0	O/C	✓	Y☐ N☑	
2	SG Unit 2	B1-2	0	O/C	✓	Y☐ N☑	
3	Reheaters	B1-3	0	O/C	✓	Y☐ N☑	
4	Rack 2 West HTF	B1-4	0	O/C	✓	Y☐ N☑	
5	Rack 2 East HTF	B1-5	0	O/C	✓	Y☐ N☑	
6	North Steel Pro	B1-6	0	O/C	✓	Y☐ N☑	
7	HTF Pumps	B1-7	0	O/C	✓	Y☐ N☑	
8	HTF Heaters	B1-8	0	O/C	✓	Y☐ N☑	
9	South Steel Pro	B1-9	0	O/C	✓	Y☐ N☑	
10	Lube Oil	B1-10	0	O/C	✓	Y☐ N☑	
11	Turbine Hose Stations	B1-11	0	O/C	✓	Y☐ N☑	
12	Turbine Bearings	B1-12	0	O/C	✓	Y☐ N☑	UNLOCKED OUT

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	0	O/C	✓	Y☑ N☐	LOTO
2	Ullage Area	B2-2	0	Ø/C	✓	Y☑ N☐	
3	Ullage Structure	B2-11	0	Ø/C	✓	Y☑ N☐	
4	Rack 1 Middle Area	B2-5	110	Ø/C	✓	Y☐ N☑	
5	Overflow Tanks	B2-9	80	Ø/C	✓	Y☑ N☐	
6	Rack 1 South Area	B2-6	0	O/C	✓	Y☑ N☐	LOTO
7	Rack 1 West	B2-7	170	Ø/C	✓	Y☑ N☐	
8	Rack 1 North Area	B2-4	135	Ø/C	✓	Y☑ N☐	
9	Over flow AFFF	B2-8	145	Ø/C	✓	Y☑ N☐	
10	Expansion Vessel AFFF	B2-3	0	O/C	✓	Y☐ N☑	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	69	O/C	✓	Y☑ N☐	LOTO
2	Transformer Main	155	Ø/C	✓	Y☑ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	155	Ø/C	X	Y☑ N☐	New sign needed

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	155	Ø/C	✓	Y☑ N☐	
2	Offices	B4-3	160	Ø/C	✓	Y☑ N☐	
3	Electrical Room	B4-4	140	Ø/C	✓	Y☑ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☑ N☐	Ø/C	
2	Bearing 3	Y☑ N☐	Ø/C	
3	Bearing 4	Y☑ N☐	Ø/C	
4	Bearing 5	Y☑ N☐	Ø/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☐ N☑	Ø/C	
2	MP-200A	Y☐ N☑	O/C	
3	MP-200B	Y☐ N☑	O/C	
4	MP-200C	Y☐ N☑	O/C	
5	MP-200D	Y☐ N☑	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	190	O	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C			
2	Maintenance Shop Drive Way #8	Ø/C			
3	West Side Power Block by VS-3 # 9	Ø/C			
4	West Side Power Block by VS-1 # 10	O/C			
5	West Side Cooling Tower by VS-4 # 11	O/C			
6	West side Cooling Tower by VS-4 # 12	Ø/C			
7	N.W. Corner Chemical Storage #1	O/C			
8	N.E. Corner Chemical Storage # 2	Ø/C			
9	East Side W.T. by Multimedia Filters # 3	Ø/C			
10	East Side W.T. by Multimedia Filters # 5	Ø/C			
11	North Side Bldg 10 # 6	Ø/C			
12	Between MP-444's and Water Treat # 4	O/C			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☐	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐	Date: 3-10-24
Operator:	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☐ Maintenance ☑ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☐ Mechanical ☐ Valves ☐

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: 162

Pump Suction Pressure: N/A Pump Discharge pressure: 162.

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 20:18

Pump Suction Pressure: 20 psi. Pump Discharge pressure: 155.

Stop time: 20:28 Total time running 10 min

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☐ No ☑ Needs fuel Monthly Fuel Consumption:

Battery volt Crank 1: 27.3 Battery volt Crank 2: 22.3.	Battery Condition: Good) Corrosion on 1A terminal
Starting hour meter: 131.0	Start time: 20:30
Oil pressure start: 64 psi	Oil Pressure finish: 40 psi
Pump Suction Pressure: 15 psi	Pump Discharge pressure: 160.
Coolant temperature after 30 minutes running: 207 °F.	
Stop time: 20:38 Stop hour meter: 131.1	Total time running: 8 min.

Comments: 124°F Coolant temp start, Weak packing needs adjustment; Fault Charge Air cooler, Temp out of range.

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above

Note: Fuel consumption 27 gal/ h approximately

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 3/15/24 Operator Erick-

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1		O/C ✓	✓	Y☐ N☐	
2	SG Unit 2	B1-2		O/C ✓	✓	Y☐ N☐	
3	Reheaters	B1-3		O/C ✓	✓	Y☐ N☐	
4	Rack 2 West HTF	B1-4		O/C ✓	✓	Y☐ N☐	
5	Rack 2 East HTF	B1-5		O/C	✓	Y☐ N☐	
6	North Steel Pro	B1-6		O/C	✓	Y☐ N☐	Valved out
7	HTF Pumps	B1-7		O/C	✓	Y☐ N☐	
8	HTF Heaters	B1-8		O/C	✓	Y☐ N☐	
9	South Steel Pro	B1-9		O/C	✓	Y☐ N☐	
10	Lube Oil	B1-10		O/C	✓	Y☐ N☐	
11	Turbine Hose Stations	B1-11		O/C	✓	Y☐ N☐	
12	Turbine Bearings	B1-12		O/C	✓	Y☐ N☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	0	O/C ✓		Y☐ N☐	
2	Ullage Area	B2-2	0	O/C ✓		Y☐ N☐	
3	Ullage Structure	B2-11	0	O/C ✓		Y☐ N☐	
4	Rack 1 Middle Area	B2-5	100	O/C ✓		Y☐ N☐	
5	Overflow Tanks	B2-9	70	O/C ✓		Y☐ N☐	
6	Rack 1 South Area	B2-6	0	O/C ✓		Y☐ N☐	
7	Rack 1 West	B2-7	170	O/C ✓		Y☐ N☐	
8	Rack 1 North Area	B2-4	115	O/C ✓		Y☐ N☐	
9	Over flow AFFF	B2-8	135	O/C		Y☐ N☐	
10	Expansion Vessel AFFF	B2-3	6	O/C ✓		Y☐ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux		O/C ✓	✓	Y☑ N☐	Valved out
2	Transformer Main	160	✓ O/C	✓	Y☑ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	160	✓ O/C	✓	Y☐ N☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	155	O/C	✓	Y☑ N☐	
2	Offices	B4-3	155	O/C	✓	Y☑ N☐	
3	Electrical Room	B4-4	165	O/C	✓	Y☑ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☑ N☐	O/C ✓	
2	Bearing 3	Y☑ N☐	O/C ✓	
3	Bearing 4	Y☑ N☐	O/C ✓	
4	Bearing 5	Y☑ N☐	O/C ✓	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☐ N☑ ✓	O/C ✓	
2	MP-200A	Y☐ N☑ ✓	O/C ✓	
3	MP-200B	Y☐ N☑ ✓	O/C ✓	
4	MP-200C	Y☐ N☑ ✓	O/C ✓	
5	MP-200D	Y☐ N☑ ✓	O/C ✓	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	185	O	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C			
2	Maintenance Shop Drive Way #8	O/C			
3	West Side Power Block by VS-3 # 9	O/C			
4	West Side Power Block by VS-1 # 10	O/C			
5	West Side Cooling Tower by VS-4 # 11	O/C			
6	West side Cooling Tower by VS-4 # 12	O/C			
7	N.W. Corner Chemical Storage #1	O/C			
8	N.E. Corner Chemical Storage # 2	O/C			
9	East Side W.T. by Multimedia Filters # 3	O/C			
10	East Side W.T. by Multimedia Filters # 5	O/C			
11	North Side Bldg 10 # 6	O/C			
12	Between MP-444's and Water Treat # 4	O/C			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☐	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐ | Date: 3/15/24

Operator: Jose Garcia | *To be completed each time unit is operated.

Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155 psi

Discharge Pressure: ~~0psi~~ 165

Pump Suction Pressure: NA Pump Discharge pressure: 165

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 2115

Pump Suction Pressure: 15psi Pump Discharge pressure: 150

Stop time: 2125 Total time running 10min

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☐ No ☑ Monthly Fuel Consumption: NA

Battery volt Crank 1: 26 Battery volt Crank 2: 26 Battery Condition: good Need cleaning

Starting hour meter: 131.1 Start time: 2132

Oil pressure start: 67 Oil Pressure finish: 50 PSI

Pump Suction Pressure: 10psi Pump Discharge pressure: 165 psi

Coolant temperature after 30 minutes running: 178

Stop time: 2137 Stop hour meter: 131.1 Total time running: 5mm

Comments: visible oil leak, Low on Fuel level, Disel Pump Need packing Ajustment

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition) The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately

There is no limit on engine operation for emergency use. [Title 17 CCR 93115 6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 3/22/24 Operator Erik.

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1		O/C		Y☐ N☐	
2	SG Unit 2	B1-2		O/C		Y☐ N☐	
3	Reheaters	B1-3		O/C		Y☐ N☐	PIV 1 Secured
4	Rack 2 West HTF	B1-4		O/C		Y☐ N☐	
5	Rack 2 East HTF	B1-5		O/C		Y☐ N☐	
6	North Steel Pro	B1-6		O/C		Y☐ N☐	
7	HTF Pumps	B1-7		O/C		Y☐ N☐	
8	HTF Heaters	B1-8		O/C		Y☐ N☐	
9	South Steel Pro	B1-9		O/C		Y☐ N☐	
10	Lube Oil	B1-10		O/C		Y☐ N☐	
11	Turbine Hose Stations	B1-11		O/C		Y☐ N☐	
12	Turbine Bearings	B1-12		O/C		Y☐ N☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1		O/C		Y☐ N☐	
2	Ullage Area	B2-2		O/C		Y☐ N☐	
3	Ullage Structure	B2-11		O/C		Y☐ N☐	
4	Rack 1 Middle Area	B2-5		O/C		Y☐ N☐	PIV 10 Secured.
5	Overflow Tanks	B2-9		O/C		Y☐ N☐	
6	Rack 1 South Area	B2-6		O/C		Y☐ N☐	
7	Rack 1 West	B2-7		O/C		Y☐ N☐	
8	Rack 1 North Area	B2-4		O/C		Y☐ N☐	
9	Over flow AFFF	B2-8		O/C		Y☐ N☐	
10	Expansion Vessel AFFF	B2-3		O/C		Y☐ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	A3-1	—	O/C ✓	✓	Y☑ N☐	
2	Transformer Main	A3-2	160	✓O/C	✓	Y☑ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	160	✓O/C	✓	Y☑ N☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	160	✓O/C	✓	Y☑ N☐	
2	Offices	B4-3	160	✓O/C	✓	Y☑ N☐	
3	Electrical Room	B4-4	160	✓O/C	✓	Y☑ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☑ N☐	✓O/C	
2	Bearing 3	Y☑ N☐	✓O/C	
3	Bearing 4	Y☑ N☐	✓O/C	
4	Bearing 5	Y☑ N☐	✓O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☐ N☑	O/C ✓	
2	MP-200A	Y☐ N☑	O/C ✓	
3	MP-200B	Y☐ N☑	O/C ✓	
4	MP-200C	Y☐ N☑	O/C ✓	
5	MP-200D	Y☐ N☑	O/C ✓	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	160	O	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C ✓			
2	Maintenance Shop Drive Way #8	✓ O/C			
3	West Side Power Block by VS-3 # 9	✓ O/C			
4	West Side Power Block by VS-1 # 10	O/C ✓			
5	West Side Cooling Tower by VS-4 # 11	O/C ✓			
6	West side Cooling Tower by VS-4 # 12	✓ O/C			
7	N.W. Corner Chemical Storage #1	✓ O/C ✓			
8	N.E. Corner Chemical Storage # 2	✓ O/C			
9	East Side W.T. by Multimedia Filters # 3	O/C			
10	East Side W.T. by Multimedia Filters # 5	O/C			
11	North Side Bldg 10 # 6	✓ O/C			
12	Between MP-444's and Water Treat # 4	O/C ✓			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris		Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☐		

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☒ Beta ☐

Date: 3/22/24

Operator: Diego Rodriquez

*To be completed each time unit is operated

Reason for running pumps: Weekly test ☒ Maintenance ☐ Emergency ☐

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☒ Mechanical ☒ Valves ☒

Check the jockey pump on pressure drop. Start up pressure: 155 psi

Discharge Pressure: 161 psi

Pump Suction Pressure: N/A

Pump Discharge pressure: 165 psi

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☒ Mechanical ☒ Valves ☒

Start the pump on pressure drop. Start up pressure: 145 psi

Start time: 2259

Pump Suction Pressure: 10 psi

Pump Discharge pressure: 150 psi

Stop time: 2309

Total time running 10 Mins.

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☒ Oil ☒ Mechanical ☒ Valves ☒ Water Jacket Heater ☒

Fuel level > 2/3: Yes ☐ No ☒

Monthly Fuel Consumption: N/A.

Battery volt Crank 1: 27. Battery volt Crank 2: 27.

Battery Condition: Good, need cleaning

Starting hour meter: 131.1H.

Start time: 2310

Oil pressure start: 60 psi

Oil Pressure finish: 44 psi

Pump Suction Pressure: 5 psi

Pump Discharge pressure: 160 psi

Coolant temperature after 30 minutes running: 195 F.

Stop time: 2320

Stop hour meter: 131.2 H.

Total time running: 10 mins.

Comments:
Fuel @ 1/2 TANK., Oil leak ON MOTOR., High Temp AlARM

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 3/29/24 Operator Joselgaraa

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	0	O/C ✓		Y ☑ N ☐	
2	SG Unit 2	B1-2	0	O/C ✓		Y ☑ N ☐	
3	Reheaters	B1-3	0	O/C ✓		Y ☑ N ☐	
4	Rack 2 West HTF	B1-4	0	O/C ✓		Y ☑ N ☐	
5	Rack 2 East HTF	B1-5	0	O/C ✓		Y ☑ N ☐	
6	North Steel Pro	B1-6	0	O/C ✓		Y ☑ N ☐	
7	HTF Pumps	B1-7	0	O/C ✓		Y ☑ N ☐	
8	HTF Heaters	B1-8	0	O/C ✓		Y ☑ N ☐	
9	South Steel Pro	B1-9	0	O/C ✓		Y ☑ N ☐	
10	Lube Oil	B1-10	0	O/C ✓		Y ☑ N ☐	
11	Turbine Hose Stations	B1-11	0	O/C ✓		Y ☑ N ☐	
12	Turbine Bearings	B1-12	0	O/C ✓		Y ☑ N ☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1		O/C ✓	✓	Y ☑ N ☐	loto out
2	Ullage Area	B2-2		O/C ✓	✓	Y ☑ N ☐	
3	Ullage Structure	B2-11		O/C ✓	✓	Y ☑ N ☐	
4	Rack 1 Middle Area	B2-5		O/C ✓	✓	Y ☑ N ☐	
5	Overflow Tanks	B2-9		O/C ✓	✓	Y ☑ N ☐	
6	Rack 1 South Area	B2-6		O/C ✓	✓	Y ☑ N ☐	loto out
7	Rack 1 West	B2-7		O/C ✓	✓	Y ☑ N ☐	
8	Rack 1 North Area	B2-4		O/C ✓	✓	Y ☑ N ☐	
9	Over flow AFFF	B2-8		O/C ✓	✓	Y ☑ N ☐	
10	Expansion Vessel AFFF	B2-3		O/C ✓	✓	Y ☑ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	0	O/C ✓	✓	Y ☑ N ☐	loto out
2	Transformer Main	140	O/C ✓	✓	Y ☑ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	150	O/C	✓	Y ☑ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	150	O/C ✓	✓	Y ☑ N ☐	
2	Offices	B4-3	150	O/C ✓	✓	Y ☑ N ☐	
3	Electrical Room	B4-4	150	O/C ✓	✓	Y ☑ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☑ N ☐	O/C ✓	
2	Bearing 3	Y ☑ N ☐	O/C ✓	
3	Bearing 4	Y ☑ N ☐	O/C ✓	
4	Bearing 5	Y ☑ N ☐	O/C ✓	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☑ N ☐	O/C ✓	
2	MP-200A	Y ☑ N ☐	O/C ✓	
3	MP-200B	Y ☑ N ☐	O/C ✓	
4	MP-200C	Y ☑ N ☐	O/C ✓	
5	MP-200D	Y ☑ N ☐	O/C ✓	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	180	O	Y ☑ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C ✓			
2	Maintenance Shop Drive Way #8	O/C ✓			
3	West Side Power Block by VS-3 # 9	✓ O/C			
4	West Side Power Block by VS-1 # 10	O/C ✓			loto out
5	West Side Cooling Tower by VS-4 # 11	O/C ✓			
6	West side Cooling Tower by VS-4 # 12	✓ O/C			
7	N.W. Corner Chemical Storage #1	O/C ✓			loto out
8	N.E. Corner Chemical Storage # 2	O/C ✓			
9	East Side W.T. by Multimedia Filters # 3	O/C ✓			
10	East Side W.T. by Multimedia Filters # 5	O/C ✓			
11	North Side Bldg 10 # 6	O/C			
12	Between MP-444's and Water Treat # 4	O/C ✓			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Action
1	Transformer Yard Refuse Check	Y ☐ N ☑	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information	
Plant: Alpha ☑ Beta ☐	Date: 3/29/24
Operator: Garcia	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☐ Maintenance ☐ Emergency ☐	

Jockey Electric Pump		
Pre-start Inspection:	Electrical Feed ☑	Mechanical ☑ Valves ☑
Check the jockey pump on pressure drop. Start up pressure:	155	
Discharge Pressure:	167 psi	
Pump Suction Pressure:	N/A	Pump Discharge pressure: 165
Comments:		

Electric Pump		
Pre-start Inspection:	Electrical Feed ☑	Mechanical ☑ Valves ☑
Start the pump on pressure drop. Start up pressure:	145 psi	
Start time:	2030	
Pump Suction Pressure:	18 psi	Pump Discharge pressure: 155
Stop time:	2035	Total time running 5 mins
Comments:		

Diesel Pump			
Pre-start Inspection:	Coolant ☑	Oil ☑ Mechanical ☑	Valves ☑ Water Jacket Heater ☑
Fuel level > 2/3: Yes ☐ No ☐		Monthly Fuel Consumption:	N/A
Battery volt Crank 1: 27.1	Battery volt Crank 2: 27.1	Battery Condition:	Need Cleaning
Starting hour meter: 131.1		Start time:	2035
Oil pressure start: 67 psi		Oil Pressure finish:	50 psi
Pump Suction Pressure: 10 psi		Pump Discharge pressure:	165 psi
Coolant temperature after 30 minutes running: 178		# only ran for readings	
Stop time: 2038	Stop hour meter: 131.1	Total run time: 3 mins	January 1st hour meter: Total YTD hours:
Closed discharges for test: Initials MG		Test complete, discharges opened: Initials	
Comments: discharges secured due to underground leak			

NOTE TESTING FOR NFPA COMPLIANCE ONCE 10 HOURS YTD RUN TIME IS EXCEEDED

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

No new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 "Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" current edition. The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/h approximately

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☑ Date: 3/10/24 Operator PAT

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	0	O/C	✓	Y☐ N☑	
2	SG Unit 2	B1-2		O/C	✓	Y☐ N☑	
3	Reheaters	B1-3		O/C	✓	Y☐ N☑	
4	Rack 2 West HTF	B1-4		O/C	✓	Y☐ N☑	
5	Rack 2 East HTF	B1-5		O/C	✓	Y☐ N☑	
6	North Steel Pro	B1-6		O/C	✓	Y☐ N☑	
7	HTF Pumps	B1-7		O/C	✓	Y☐ N☑	
8	HTF Heaters	B1-8		O/C	✓	Y☐ N☑	
9	South Steel Pro	B1-9		O/C	✓	Y☐ N☑	
10	Lube Oil	B1-10		O/C	✓	Y☑ N☐	
11	Turbine Hose Stations	B1-11		O/C	✓	Y☑ N☐	
12	Turbine Bearings	B1-12		O/C	✓	Y☑ N☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	0	O/C		Y☑ N☐	
2	Ullage Area	B2-2	165	O/C		Y☑ N☐	
3	Ullage Structure	B2-11	162	O/C		Y☑ N☐	
4	Rack 1 Middle Area	B2-5	165	O/C		Y☑ N☐	
5	Overflow Tanks	B2-9	159	O/C		Y☑ N☐	
6	Rack 1 South Area	B2-6	0	O/C		Y☑ N☐	
7	Rack 1 West	B2-7	162	O/C		Y☐ N☑	
8	Rack 1 North Area	B2-4	160	O/C		Y☐ N☑	
9	Over flow AFFF	B2-8	164	O/C		Y☐ N☑	
10	Expansion Vessel AFFF	B2-3	164	O/C		Y☐ N☑	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	157	O/C	✓	Y☐ N☑	
2	Transformer Main	162	O/C	✓	Y☐ N☑	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Cooling Tower West Side	0	O/C	✓	Y☑ N☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	157	O/C	✓	Y☑ N☐	
2	Offices	B4-3	156	O/C	✓	Y☑ N☐	
3	Electrical Room	B4-4	160	O/C	✓	Y☐ N☑	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☐ N☑	O/C	
2	Bearing 3	Y☐ N☑	O/C	
3	Bearing 4	Y☐ N☑	O/C	
4	Bearing 5	Y☐ N☑	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☐ N☑	O/C	
2	MP-200A	Y☑ N☐	O/C	
3	MP-200B	Y☐ N☑	O/C	
4	MP-200C	Y☑ N☐	O/C	
5	MP-200D	Y☑ N☐	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	NC	O	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C			
2	Maintenance Shop Drive Way #8	O/C			
3	West Side Power Block by VS-3 # 9	O/C			
4	West Side Power Block by VS-1 # 10	O/C			
5	West Side Cooling Tower by VS-4 # 11	O/C			
6	West side Cooling Tower by VS-4 # 12	O/C			
7	N.W. Corner Chemical Storage #1	O/C			
8	N.E. Corner Chemical Storage # 2	O/C			
9	East Side W.T. by Multimedia Filters # 3	O/C			
10	East Side W.T. by Multimedia Filters # 5	O/C			
11	North Side Bldg 10 # 6	O/C			
12	Between MP-444's and Water Treat # 4	O/C			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☐	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☐ Beta ☑ Date: 3/1/24

Operator: VAT *To be completed each time unit is operated.

Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155 psi

Discharge Pressure: 170 psi

Pump Suction Pressure: 16 psi Pump Discharge pressure: 164 psi

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145 psi

Start time: 22:38

Pump Suction Pressure: 16 psi Pump Discharge pressure: 150 psi

Stop time: 22:48 Total time running 10 min.

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☐ No ☑ Monthly Fuel Consumption:

Battery volt Crank 1: 28.7 Battery volt Crank 2: 28.7 Battery Condition: good

Starting hour meter: 135.3 Start time: 22:51

Oil pressure start: 56 psi Oil Pressure finish: 34 psi

Pump Suction Pressure: 17 psi Pump Discharge pressure: 145 psi

Coolant temperature after 30 minutes running: 194 psi after 7 min

Stop time: 22:58 Stop hour meter: 135.4 Total time running: 7 min.

Comments: High Temp Alarm after 7 min.

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

lote: Fuel consumption 27 gal/ h approximately.

here is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☑ Date: 3/17/24 Operator PAT

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	0	O/C	✓	Y☐ N☑	
2	SG Unit 2	B1-2		O/C	✓	Y☐ N☑	
3	Reheaters	B1-3		O/C	✓	Y☐ N☑	
4	Rack 2 West HTF	B1-4		O/C	✓	Y☐ N☑	
5	Rack 2 East HTF	B1-5		O/C	✓	Y☐ N☑	
6	North Steel Pro	B1-6		O/C	✓	Y☐ N☑	
7	HTF Pumps	B1-7		O/C	✓	Y☐ N☑	
8	HTF Heaters	B1-8		O/C	✓	Y☐ N☑	
9	South Steel Pro	B1-9		O/C	✓	Y☐ N☑	
10	Lube Oil	B1-10		O/C	✓	Y☑ N☐	
11	Turbine Hose Stations	B1-11		O/C	✓	Y☑ N☐	
12	Turbine Bearings	B1-12		O/C	✓	Y☑ N☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	0	O/C	✓	Y☑ N☐	
2	Ullage Area	B2-2	162	O/C	✓	Y☑ N☐	
3	Ullage Structure	B2-11	161	O/C	✓	Y☑ N☐	
4	Rack 1 Middle Area	B2-5	164	O/C	✓	Y☑ N☐	
5	Overflow Tanks	B2-9	159	O/C	✓	Y☑ N☐	
6	Rack 1 South Area	B2-6	0	O/C	✓	Y☑ N☐	
7	Rack 1 West	B2-7	160	O/C	✓	Y☑ N☐	
8	Rack 1 North Area	B2-4	168	O/C	✓	Y☑ N☐	
9	Over flow AFFF	B2-8	162	O/C	✓	Y☐ N☑	
10	Expansion Vessel AFFF	B2-3	162	O/C	✓	Y☐ N☑	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	160	O/C	✓	Y☑ N☐	
2	Transformer Main	157	O/C	✓	Y☑ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	0	O/C	✓	Y☑ N☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	156	O/C	✓	Y☑ N☐	
2	Offices	B4-3	160	O/C	✓	Y☑ N☐	
3	Electrical Room	B4-4	157	O/C	✓	Y☐ N☑	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☐ N☑	O/C	
2	Bearing 3	Y☐ N☑	O/C	
3	Bearing 4	Y☐ N☑	O/C	
4	Bearing 5	Y☐ N☑	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☐ N☑	O/C	
2	MP-200A	Y☑ N☐	O/C	
3	MP-200B	Y☐ N☑	O/C	
4	MP-200C	Y☑ N☐	O/C	
5	MP-200D	Y☑ N☐	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	196	O	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C			
2	Maintenance Shop Drive Way #8	O/C			
3	West Side Power Block by VS-3 # 9	O/C			
4	West Side Power Block by VS-1 # 10	O/C			
5	West Side Cooling Tower by VS-4 # 11	O/C			
6	West side Cooling Tower by VS-4 # 12	O/C			
7	N.W. Corner Chemical Storage #1	O/C			
8	N.E. Corner Chemical Storage # 2	O/C			
9	East Side W.T. by Multimedia Filters # 3	O/C			
10	East Side W.T. by Multimedia Filters # 5	O/C			
11	North Side Bldg 10 # 6	O/C			
12	Between MP-444's and Water Treat # 4	O/C			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☐	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☐ Beta ☑	Date: 3/15/24
Operator: Diego. Rodriguez	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155 psi

Discharge Pressure: 169 psi

Pump Suction Pressure: N/A Pump Discharge pressure: 169 psi

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145 psi

Start time: 2214

Pump Suction Pressure: 15psi Pump Discharge pressure: 150psi

Stop time: 2224 Total time running 10 Mins

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☐ No ☑ Monthly Fuel Consumption: N/A.

Battery volt Crank 1: 26 Battery volt Crank 2: 24 Battery Condition: Good / Need To Be cleaned

Starting hour meter: 135.4 Start time: 2225

Oil pressure start: 60 psi Oil Pressure finish: 47 psi

Pump Suction Pressure: 18psi Pump Discharge pressure: 150 psi

Coolant temperature after 30 minutes running: 164

Stop time: 2230 Stop hour meter: 135.4 Total time running: 5mins.

Comments:

Low Fuel.

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition) The hours of operation for source testing will not be counted towards either of the allowable annual limits above

Note: Fuel consumption 27 gal/ h approximately

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

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Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☑ Date: 3/24/24 Operator BAT

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	0	O/C	✓	Y ☐ N ☑	
2	SG Unit 2	B1-2		O/C	✓	Y ☐ N ☑	
3	Reheaters	B1-3		O/C	✓	Y ☐ N ☑	
4	Rack 2 West HTF	B1-4		O/C	✓	Y ☐ N ☑	
5	Rack 2 East HTF	B1-5		O/C	✓	Y ☐ N ☑	
6	North Steel Pro	B1-6		O/C	✓	Y ☐ N ☑	
7	HTF Pumps	B1-7		O/C	✓	Y ☐ N ☑	
8	HTF Heaters	B1-8		O/C	✓	Y ☐ N ☑	
9	South Steel Pro	B1-9		O/C	✓	Y ☐ N ☑	
10	Lube Oil	B1-10		O/C	✓	Y ☑ N ☐	
11	Turbine Hose Stations	B1-11		O/C	✓	Y ☑ N ☐	
12	Turbine Bearings	B1-12		O/C	✓	Y ☑ N ☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	0	O/C	✓	Y ☑ N ☐	
2	Ullage Area	B2-2	160	O/C	✓	Y ☑ N ☐	
3	Ullage Structure	B2-11	158	O/C	✓	Y ☑ N ☐	
4	Rack 1 Middle Area	B2-5	166	O/C	✓	Y ☑ N ☐	
5	Overflow Tanks	B2-9	162	O/C	✓	Y ☑ N ☐	
6	Rack 1 South Area	B2-6	0	O/C	✓	Y ☑ N ☐	
7	Rack 1 West	B2-7	156	O/C	✓	Y ☑ N ☐	
8	Rack 1 North Area	B2-4	155	O/C	✓	Y ☑ N ☐	
9	Over flow AFFF	B2-8	160	O/C	✓	Y ☐ N ☑	
10	Expansion Vessel AFFF	B2-3	163	O/C	✓	Y ☐ N ☑	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	156	O/C	✓	Y ☑ N ☐	
2	Transformer Main	160	O/C	✓	Y ☑ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	0	O/C	✓	Y ☑ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	154	O/C	✓	Y ☑ N ☐	
2	Offices	B4-3	155	O/C	✓	Y ☑ N ☐	
3	Electrical Room	B4-4	160	O/C		Y ☐ N ☑	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☐ N ☑	O/C	
2	Bearing 3	Y ☐ N ☑	O/C	
3	Bearing 4	Y ☐ N ☑	O/C	
4	Bearing 5	Y ☐ N ☑	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☐ N ☑	O/C	
2	MP-200A	Y ☑ N ☐	O/C	
3	MP-200B	Y ☐ N ☐	O/C	
4	MP-200C	Y ☑ N ☐	O/C	
5	MP-200D	Y ☑ N ☐	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	175	O	Y ☑ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C			
2	Maintenance Shop Drive Way #8	O/C			
3	West Side Power Block by VS-3 # 9	O/C			
4	West Side Power Block by VS-1 # 10	O/C			
5	West Side Cooling Tower by VS-4 # 11	O/C			
6	West side Cooling Tower by VS-4 # 12	O/C			
7	N.W. Corner Chemical Storage #1	O/C			
8	N.E. Corner Chemical Storage # 2	O/C			
9	East Side W.T. by Multimedia Filters # 3	O/C			
10	East Side W.T. by Multimedia Filters # 5	O/C			
11	North Side Bldg 10 # 5	O/C			
12	Between MP-444's and Water Treat # 4	O/C			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☑	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☐ Beta ☑	Date: 3/23/24
Operator: Diego Rodriguez	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155psi

Discharge Pressure: 165psi

Pump Suction Pressure: N/A Pump Discharge pressure: 165psi

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145psi

Start time: 2230

Pump Suction Pressure: 15psi Pump Discharge pressure: 150psi

Stop time: 2240 Total time running 10 Mins.

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☐ No ☑ Monthly Fuel Consumption: N/A

Battery volt Crank 1: 27v Battery volt Crank 2: 27v	Battery Condition: Good, need cleaning
Starting hour meter: 135.4H.	Start time: 2241
Oil pressure start: 61psi	Oil Pressure finish: 40psi

Pump Suction Pressure: 18psi Pump Discharge pressure: 150psi

Coolant temperature after 30 minutes running: 194°F

Stop time: 2251 Stop hour meter: 135.5 H. Total time running: 10 Mins.

Comments:

High Temp ALARM.

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☑ Date: 3/30/24 Operator Anthony

Valve Shed # 1 by Condenser

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1 B1-1		O/C		Y☐ N☐	Loto
2	SG Unit 2 B1-2		O/C		Y☐ N☐	
3	Reheaters B1-3		O/C		Y☐ N☐	
4	Rack 2 West HTF B1-4		O/C		Y☐ N☐	
5	Rack 2 East HTF B1-5		O/C		Y☐ N☐	
6	North Steel Pro B1-6		O/C		Y☐ N☐	
7	HTF Pumps B1-7		O/C		Y☐ N☐	
8	HTF Heaters B1-8		O/C		Y☐ N☐	
9	South Steel Pro B1-9		O/C		Y☐ N☐	
10	Lube Oil B1-10		O/C		Y☐ N☐	
11	Turbine Hose Stations B1-11		O/C		Y☐ N☐	
12	Turbine Bearings B1-12		O/C		Y☐ N☐	

Valve Shed # 2 by Overflow

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels B2-1	—	O/C		Y☐ N☐	Loto
2	Ullage Area B2-2	165	✓O/C	✓	Y☑ N☐	
3	Ullage Structure B2-11	160	✓O/C	✓	Y☑ N☐	
4	Rack 1 Middle Area B2-5	170	✓O/C	✓	Y☑ N☐	
5	Overflow Tanks B2-9	160	✓O/C	✓	Y☑ N☐	
6	Rack 1 South Area B2-6	—	O/C		Y☐ N☐	Loto
7	Rack 1 West B2-7	160	✓O/C	✓	Y☑ N☐	
8	Rack 1 North Area B2-4	160	✓O/C	✓	Y☑ N☐	
9	Over flow AFFF B2-8	160	✓O/C	✓	Y☑ N☐	
10	Expansion Vessel AFFF B2-3	165	✓O/C	✓	Y☑ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	165	✓O/C	✓	Y☑ N☐	
2	Transformer Main	160	✓O/C	✓	Y☑ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	—	O/C		Y☐ N☐	Loto

Valve Shed # 5 by Control Bldg 10

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room B4-5	160	✓O/C	✓	Y☑ N☐	
2	Offices B4-3	160	✓O/C	✓	Y☑ N☐	
3	Electrical Room B4-4	160	✓O/C	✓	Y☑ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☑ N☐	✓O/C	
2	Bearing 3	Y☑ N☐	✓O/C	
3	Bearing 4	Y☑ N☐	✓O/C	
4	Bearing 5	Y☑ N☐	✓O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☑ N☐	✓O/C	
2	MP-200A	Y☑ N☐	✓O/C	
3	MP-200B	Y☑ N☐	✓O/C	
4	MP-200C	Y☑ N☐	✓O/C	
5	MP-200D	Y☑ N☐	✓O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	175	Open	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	✓O/C			
2	Maintenance Shop Drive Way #8	✓O/C			
3	West Side Power Block by VS-3 # 9	✓O/C			
4	West Side Power Block by VS-1 # 10	O/C✓			
5	West Side Cooling Tower by VS-4 # 11	✓O/C			
6	West side Cooling Tower by VS-4 # 12	✓O/C			
7	N.W. Corner Chemical Storage #1	✓O/C			
8	N.E. Corner Chemical Storage # 2	✓O/C			
9	East Side W.T. by Multimedia Filters # 3	✓O/C			
10	East Side W.T. by Multimedia Filters # 5	✓O/C			
11	North Side Bldg 10 # 6	✓O/C			
12	Between MP-444's and Water Treat # 4	O/C✓			
13	West Side Power Block Valve Shed #1	✓O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris		Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☐		

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☐ Beta ☑

Date: 3/28/24

Operator: Roy whitney

*To be completed each time unit is operated.

Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 151

Discharge Pressure: 162

Pump Suction Pressure: — Pump Discharge pressure: —

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 1854

Pump Suction Pressure: 10 Pump Discharge pressure: 150

Stop time: 1904 Total time running 10 min

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☒ No ☑ Monthly Fuel Consumption:

Battery volt Crank 1: 26 Battery volt Crank 2: 24 Battery Condition: ✓

Starting hour meter: 135.5 Start time: 1918

Oil pressure start: 1 psi Oil Pressure finish:

Pump Suction Pressure: 18 Pump Discharge pressure: 148

Coolant temperature after 30 minutes running: 221 after 17 min

Stop time: 1935 Stop hour meter: 135.8 Total time running: 17 min

Comments: Engine #1, ECU address 72, oil pressure low, fuel injection malfunction

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

lote: Fuel consumption 27 gal/ h approximately.

here is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 4/6/24 Operator Taylor

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	0	O/C	✓	Y☐ N☑	
2	SG Unit 2	B1-2	0	O/C	✓	Y☐ N☑	
3	Reheaters	B1-3	0	O/C	✓	Y☐ N☑	
4	Rack 2 West HTF	B1-4	0	O/C	✓	Y☐ N☑	
5	Rack 2 East HTF	B1-5	0	O/C	✓	Y☐ N☑	
6	North Steel Pro	B1-6	0	O/C	✓	Y☐ N☑	
7	HTF Pumps	B1-7	0	O/C	✓	Y☐ N☑	
8	HTF Heaters	B1-8	0	O/C	✓	Y☐ N☑	
9	South Steel Pro	B1-9	0	O/C	✓	Y☐ N☑	
10	Lube Oil	B1-10	0	O/C	✓	Y☐ N☑	
11	Turbine Hose Stations	B1-11	0	O/C	✓	Y☐ N☑	
12	Turbine Bearings	B1-12	0	O/C	✓	Y☐ N☑	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1		O/C✓	✓	Y☑ N☐	all Valves are Loto
2	Ullage Area	B2-2		✓O/C	✓	Y☑ N☐	
3	Ullage Structure	B2-11		O/C✓	✓	Y☑ N☐	
4	Rack 1 Middle Area	B2-5		✓O/C	✓	Y☑ N☐	
5	Overflow Tanks	B2-9		✓O/C	✓	Y☑ N☐	
6	Rack 1 South Area	B2-6		O/C✓	✓	Y☑ N☐	
7	Rack 1 West	B2-7		✓O/C	✓	Y☑ N☐	
8	Rack 1 North Area	B2-4		✓O/C	✓	Y☑ N☐	
9	Over flow AFFF	B2-8		✓O/C	✓	Y☑ N☐	
10	Expansion Vessel AFFF	B2-3		✓O/C	✓	Y☑ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux		O/C✓	✓	Y☐ N☐	Loto
2	Transformer Main		O/C✓	✓	Y☐ N☐	Loto

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	105	✓O/C	✓	Y☐ N☑	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5		O/C✓	✓	Y☑ N☐	Loto
2	Offices	B4-3		O/C✓	✓	Y☑ N☐	Loto
3	Electrical Room	B4-4		O/C✓	✓	Y☑ N☐	Loto

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☐ N☐	O/C	
2	Bearing 3	Y☐ N☐	O/C	
3	Bearing 4	Y☐ N☐	O/C	
4	Bearing 5	Y☐ N☐	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☐ N☐	O/C	
2	MP-200A	Y☐ N☐	O/C	
3	MP-200B	Y☐ N☐	O/C	
4	MP-200C	Y☐ N☐	O/C	
5	MP-200D	Y☐ N☐	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	0	C	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	✓O/C	✓		
2	Maintenance Shop Drive Way #8	✓O/C	✓		
3	West Side Power Block by VS-3 # 9	✓O/C	✓		
4	West Side Power Block by VS-1 # 10	O/C✓	✓		Loto
5	West Side Cooling Tower by VS-4 # 11	O/C✓	✓		
6	West side Cooling Tower by VS-4 # 12	✓O/C	✓		
7	N.W. Corner Chemical Storage #1	O/C✓	✓		Loto
8	N.E. Corner Chemical Storage # 2	O/C✓	✓		
9	East Side W.T. by Multimedia Filters # 3	O/C✓	✓		
10	East Side W.T. by Multimedia Filters # 5	O/C✓	✓		
11	North Side Bldg 10 # 6	✓O/C	✓		
12	Between MP-444's and Water Treat # 4	✓O/C	✓		
13	West Side Power Block Valve Shed #1	O/C✓	✓		Loto

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☐	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information				
Plant: Alpha ☑	Beta ☐		Date: 4/6/24	
Operator: Roy whitney			*To be completed each time unit is operated.	
Reason for running pumps: Weekly test ☑	Maintenance ☐	Emergency ☐		
Jockey Electric Pump				
Pre-start Inspection: Electrical Feed ☐	Mechanical ☐	Valves ☐		
Check the jockey pump on pressure drop. Start up pressure:				
Discharge Pressure:				
Pump Suction Pressure:		Pump Discharge pressure:		
Comments: System Down for underground leak				
Electric Pump				
Pre-start Inspection: Electrical Feed ☐	Mechanical ☐	Valves ☐		
Start the pump on pressure drop. Start up pressure:				
Start time:				
Pump Suction Pressure:		Pump Discharge pressure:		
Stop time:		Total time running		
Comments: System down for underground leak				
Diesel Pump				
Pre-start Inspection: Coolant ☐	Oil ☐	Mechanical ☐	Valves ☐	Water Jacket Heater ☐
Fuel level > 2/3: Yes ☐	No ☐	Monthly Fuel Consumption:		
Battery volt Crank 1:	Battery volt Crank 2:		Battery Condition:	
Starting hour meter:			Start time:	
Oil pressure start:			Oil Pressure finish:	
Pump Suction Pressure:		Pump Discharge pressure:		
Coolant temperature after 30 minutes running:				
Stop time:	Stop hour meter:	Total run time:	January 1st hour meter:	Total YTD hours:
Closed discharges for test: Initials ☐			Test complete, discharges opened: Initials ☐	
Comments: System down for underground leak **NOTE TESTING FOR NFPA COMPLIANCE ONCE 10 HOURS YTD RUN TIME IS EXCEEDED**				
Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).				

No new diesel driven fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 "Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual levels above.

Note: Fuel consumption 27 gal/h approximately

There is no time on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 4/13/24 Operator _____

Valve Shed # 1 by Condenser

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1 B1-1	0	O/C ✓	✓	Y ☑ N ☐	
2	SG Unit 2 B1-2	0	O/C ✓	✓	Y ☑ N ☐	
3	Reheaters B1-3	0	O/C ✓	✓	Y ☑ N ☐	
4	Rack 2 West HTF B1-4	0	O/C ✓	✓	Y ☑ N ☐	
5	Rack 2 East HTF B1-5	0	O/C ✓	✓	Y ☑ N ☐	
6	North Steel Pro B1-6	0	O/C ✓	✓	Y ☑ N ☐	
7	HTF Pumps B1-7	0	O/C ✓	✓	Y ☑ N ☐	
8	HTF Heaters B1-8	0	O/C ✓	✓	Y ☑ N ☐	
9	South Steel Pro B1-9	0	O/C ✓	✓	Y ☑ N ☐	
10	Lube Oil B1-10	0	O/C ✓	✓	Y ☑ N ☐	
11	Turbine Hose Stations B1-11	0	O/C ✓	✓	Y ☑ N ☐	
12	Turbine Bearings B1-12	0	O/C ✓	✓	Y ☑ N ☐	

Valve Shed # 2 by Overflow

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels B2-1	0	O/C ✓	✓	Y ☑ N ☐	LOTO
2	Ullage Area B2-2	0	✓ O/C	✓	Y ☑ N ☐	
3	Ullage Structure B2-11	0	✓ O/C	✓	Y ☑ N ☐	
4	Rack 1 Middle Area B2-5	0	✓ O/C	✓	Y ☑ N ☐	
5	Overflow Tanks B2-9	0	✓ O/C	✓	Y ☑ N ☐	
6	Rack 1 South Area B2-6	0	O/C ✓	✓	Y ☑ N ☐	LOTO
7	Rack 1 West B2-7	0	✓ O/C	✓	Y ☑ N ☐	
8	Rack 1 North Area B2-4	0	✓ O/C	✓	Y ☑ N ☐	
9	Over flow AFFF B2-8	0	✓ O/C	✓	Y ☑ N ☐	
10	Expansion Vessel AFFF B2-3	0	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	0	O/C ✓	✓	Y ☑ N ☐	
2	Transformer Main	0	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	120	✓ O/C	N/A	Y ☐ N ☑	

Valve Shed # 5 by Control Bldg 10

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room B4-5	140	✓ O/C	✓	Y ☑ N ☐	
2	Offices B4-3	130	✓ O/C	✓	Y ☑ N ☐	
3	Electrical Room B4-4	130	✓ O/C	✓	Y ☑ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☑ N ☐	✓ O/C	
2	Bearing 3	Y ☑ N ☐	✓ O/C	
3	Bearing 4	Y ☑ N ☐	✓ O/C	
4	Bearing 5	Y ☑ N ☐	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☑ N ☐	O/C ✓	
2	MP-200A	Y ☑ N ☐	O/C ✓	
3	MP-200B	Y ☑ N ☐	O/C ✓	
4	MP-200C	Y ☐ N ☐	O/C ✓	
5	MP-200D	Y ☑ N ☐	O/C ✓	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge			Y ☐ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C ✓			
2	Maintenance Shop Drive Way #8	O/C ✓			
3	West Side Power Block by VS-3 # 9	✓ O/C			
4	West Side Power Block by VS-1 # 10	O/C ✓			
5	West Side Cooling Tower by VS-4 # 11	O/C ✓			
6	West side Cooling Tower by VS-4 # 12	✓ O/C			
7	N.W. Corner Chemical Storage #1	O/C ✓			
8	N.E. Corner Chemical Storage # 2	O/C ✓			
9	East Side W.T. by Multimedia Filters # 3	O/C ✓			
10	East Side W.T. by Multimedia Filters # 5	O/C ✓			
11	North Side Bldg 10 # 6	✓ O/C			
12	Between MP-444's and Water Treat # 4	O/C ✓			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris		Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☐		

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information				
Plant: Alpha ☑ Beta ☐			Date: 9/13/24	
Operator: Roy whitney			*To be completed each time unit is operated.	
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐				
Jockey Electric Pump				
Pre-start Inspection: Electrical Feed ☐ Mechanical ☐ Valves ☐				
Check the jockey pump on pressure drop. Start up pressure:				
Discharge Pressure:				
Pump Suction Pressure:		Pump Discharge pressure:		
Comments: System Down for underground leak				
Electric Pump				
Pre-start Inspection: Electrical Feed ☐ Mechanical ☐ Valves ☐				
Start the pump on pressure drop. Start up pressure:				
Start time:				
Pump Suction Pressure:		Pump Discharge pressure:		
Stop time:		Total time running		
Comments: System Down for underground leak				
Diesel Pump				
Pre-start Inspection: Coolant ☐ Oil ☐ Mechanical ☐ Valves ☐ Water Jacket Heater ☐				
Fuel level > 2/3: Yes ☐ No ☐		Monthly Fuel Consumption:		
Battery volt Crank 1:	Battery volt Crank 2:		Battery Condition:	
Starting hour meter:			Start time:	
Oil pressure start:			Oil Pressure finish:	
Pump Suction Pressure:		Pump Discharge pressure:		
Coolant temperature after 30 minutes running:				
Stop time:	Stop hour meter:	Total run time:	January 1st hour meter:	Total YTD hours:
Closed discharges for test: Initials ☐			Test complete, discharges opened: Initials ☐	
Comments: System down for underground leak				
NOTE TESTING FOR NFPA COMPLIANCE ONCE 10 HOURS YTD RUN TIME IS EXCEEDED				
Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).				

No new diesel-drive fire pump engine shall be limited to use for emergency fire suppression (defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 "Standards for the Inspection, Testing, and Maintenance of Water-Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/h approximately

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 4/20/24 Operator Roy .w

Valve Shed # 1 by Condenser

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1 B1-1	0	O/C ✓	✓	Y ☑ N ☐	
2	SG Unit 2 B1-2	0	O/C ✓	✓	Y ☑ N ☐	
3	Reheaters B1-3	0	O/C ✓	✓	Y ☑ N ☐	
4	Rack 2 West HTF B1-4	0	O/C ✓	✓	Y ☑ N ☐	
5	Rack 2 East HTF B1-5	0	O/C ✓	✓	Y ☑ N ☐	
6	North Steel Pro B1-6	0	O/C ✓	✓	Y ☑ N ☐	
7	HTF Pumps B1-7	0	O/C ✓	✓	Y ☑ N ☐	
8	HTF Heaters B1-8	0	O/C ✓	✓	Y ☑ N ☐	
9	South Steel Pro B1-9	0	O/C ✓	✓	Y ☑ N ☐	
10	Lube Oil B1-10	0	O/C ✓	✓	Y ☑ N ☐	
11	Turbine Hose Stations B1-11	0	O/C ✓	✓	Y ☑ N ☐	
12	Turbine Bearings B1-12	0	O/C ✓	✓	Y ☐ N ☐	

Valve Shed # 2 by Overflow

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels B2-1		O/C ✓	✓	Y ☑ N ☐	LOTO
2	Ullage Area B2-2		✓ O/C	✓	Y ☑ N ☐	
3	Ullage Structure B2-11		✓ O/C	✓	Y ☑ N ☐	
4	Rack 1 Middle Area B2-5		✓ O/C	✓	Y ☑ N ☐	
5	Overflow Tanks B2-9		✓ O/C	✓	Y ☑ N ☐	
6	Rack 1 South Area B2-6		O/C ✓	✓	Y ☑ N ☐	LOTO
7	Rack 1 West B2-7		✓ O/C	✓	Y ☑ N ☐	
8	Rack 1 North Area B2-4		✓ O/C	✓	Y ☑ N ☐	
9	Over flow AFFF B2-8		✓ O/C	✓	Y ☑ N ☐	
10	Expansion Vessel AFFF B2-3		✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	0	O/C ✓	✓	Y ☑ N ☐	LOTO
2	Transformer Main	140	✓O/C	✓	Y ☐ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	150	✓O/C	✓	Y ☑ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room B4-5	150	✓ O/C	✓	Y ☑ N ☐	
2	Offices B4-3	150	✓ O/C	✓	Y ☑ N ☐	
3	Electrical Room B4-4	150	✓O/C	✓	Y ☑ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☐ N ☐	✓O/C	
2	Bearing 3	Y ☑ N ☐	✓O/C	
3	Bearing 4	Y ☑ N ☐	✓O/C	
4	Bearing 5	Y ☑ N ☐	✓O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☑ N ☐	O/C ✓	
2	MP-200A	Y ☑ N ☐	O/C ✓	
3	MP-200B	Y ☑ N ☐	O/C ✓	
4	MP-200C	Y ☑ N ☐	O/C ✓	
5	MP-200D	Y ☑ N ☐	O/C ✓	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	150	O	Y ☑ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C ✓			
2	Maintenance Shop Drive Way #8	O/C ✓			
3	West Side Power Block by VS-3 # 9	✓ O/C			
4	West Side Power Block by VS-1 # 10	O/C ✓			LOTO
5	West Side Cooling Tower by VS-4 # 11	O/C ✓			
6	West side Cooling Tower by VS-4 # 12	✓ O/C			
7	N.W. Corner Chemical Storage #1	O/C ✓			LOTO
8	N.E. Corner Chemical Storage # 2	O/C ✓			
9	East Side W.T. by Multimedia Filters # 3	O/C ✓			
10	East Side W.T. by Multimedia Filters # 5	O/C ✓			
11	North Side Bldg 10 # 6	O/C ✓			
12	Between MP-444's and Water Treat # 4	O/C ✓			
13	West Side Power Block Valve Shed #1	O/C ✓			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☑	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information				
Plant: Alpha ☑	Beta ☐		Date: 4/20/24	
Operator: Roy whitney			*To be completed each time unit is operated.	
Reason for running pumps: Weekly test ☑	Maintenance ☐	Emergency ☐		
Jockey Electric Pump				
Pre-start Inspection: Electrical Feed ☐	Mechanical ☐	Valves ☐		
Check the jockey pump on pressure drop. Start up pressure:				
Discharge Pressure:				
Pump Suction Pressure:		Pump Discharge pressure:		
Comments: System down for underground leak				
Electric Pump				
Pre-start Inspection: Electrical Feed ☐	Mechanical ☐	Valves ☐		
Start the pump on pressure drop. Start up pressure:				
Start time:				
Pump Suction Pressure:		Pump Discharge pressure:		
Stop time:		Total time running		
Comments: System down for underground leak				
Diesel Pump				
Pre-start Inspection: Coolant ☐	Oil ☐	Mechanical ☐	Valves ☐	Water Jacket Heater ☐
Fuel level > 2/3: Yes ☐	No ☐	Monthly Fuel Consumption:		
Battery volt Crank 1:	Battery volt Crank 2:		Battery Condition:	
Starting hour meter:			Start time:	
Oil pressure start:			Oil Pressure finish:	
Pump Suction Pressure:		Pump Discharge pressure:		
Coolant temperature after 30 minutes running:				
Stop time:	Stop hour meter:	Total run time:	January 1st hour meter:	Total YTD hours:
Closed discharges for test: Initials [ ]			Test complete, discharges opened: Initials [ ]	
Comments: System down for underground leak				
NOTE TESTING FOR NFPA COMPLIANCE ONCE 10 HOURS YTD RUN TIME IS EXCEEDED				
Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).				

Each new diesel drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 19 hours per year for initial start up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 "Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual levels above.

Note: Fuel consumption 27 gal/h approximately

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.5(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☐ Date: 4/27/24 Operator Roy W

Valve Shed # 1 by Condenser

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1 B1-1	0	O/C ✓	✓	Y ☑ N ☐	
2	SG Unit 2 B1-2	0	O/C ✓	✓	Y ☑ N ☐	
3	Reheaters B1-3	0	O/C ✓	✓	Y ☑ N ☐	
4	Rack 2 West HTF B1-4	0	O/C ✓	✓	Y ☑ N ☐	
5	Rack 2 East HTF B1-5	0	O/C ✓	✓	Y ☑ N ☐	
6	North Steel Pro B1-6	0	O/C ✓	✓	Y ☑ N ☐	
7	HTF Pumps B1-7	0	O/C ✓	✓	Y ☑ N ☐	
8	HTF Heaters B1-8	0	O/C ✓	✓	Y ☑ N ☐	
9	South Steel Pro B1-9	0	O/C ✓	✓	Y ☑ N ☐	
10	Lube Oil B1-10	0	O/C ✓	✓	Y ☑ N ☐	
11	Turbine Hose Stations B1-11	0	O/C ✓	✓	Y ☑ N ☐	
12	Turbine Bearings B1-12	0	O/C ✓	✓	Y ☑ N ☐	

Valve Shed # 2 by Overflow

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels B2-1		O/C ✓	✓	Y ☑ N ☐	LOTO
2	Ullage Area B2-2		✓ O/C	✓	Y ☑ N ☐	
3	Ullage Structure B2-11		✓ O/C	✓	Y ☑ N ☐	
4	Rack 1 Middle Area B2-5		✓ O/C	✓	Y ☑ N ☐	
5	Overflow Tanks B2-9		✓ O/C	✓	Y ☑ N ☐	
6	Rack 1 South Area B2-6		O/C ✓	✓	Y ☑ N ☐	LOTO
7	Rack 1 West B2-7		✓ O/C	✓	Y ☑ N ☐	
8	Rack 1 North Area B2-4		✓ O/C	✓	Y ☑ N ☐	
9	Over flow AFFF B2-8		✓ O/C	✓	Y ☑ N ☐	
10	Expansion Vessel AFFF B2-3		✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	0	O/C ✓	✓	Y ☑ N ☐	
2	Transformer Main	140	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	150	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room B4-5	150	✓ O/C	✓	Y ☑ N ☐	
2	Offices B4-3	150	✓ O/C	✓	Y ☑ N ☐	
3	Electrical Room B4-4	150	✓ O/C	✓	Y ☑ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☑ N ☐	✓ O/C	
2	Bearing 3	Y ☑ N ☐	✓ O/C	
3	Bearing 4	Y ☑ N ☐	✓ O/C	
4	Bearing 5	Y ☑ N ☐	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☑ N ☐	O/C ✓	
2	MP-200A	Y ☑ N ☐	O/C ✓	
3	MP-200B	Y ☑ N ☐	O/C ✓	
4	MP-200C	Y ☑ N ☐	O/C ✓	
5	MP-200D	Y ☑ N ☐	O/C ✓	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	150	O	Y ☑ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C ✓			
2	Maintenance Shop Drive Way #8	O/C ✓			
3	West Side Power Block by VS-3 # 9	✓ O/C			
4	West Side Power Block by VS-1 # 10	O/C ✓			LOTO
5	West Side Cooling Tower by VS-4 # 11	✓ O/C			
6	West side Cooling Tower by VS-4 # 12	✓ O/C			
7	N.W. Corner Chemical Storage #1	O/C ✓			LOTO
8	N.E. Corner Chemical Storage # 2	O/C ✓			
9	East Side W.T. by Multimedia Filters # 3	O/C ✓			
10	East Side W.T. by Multimedia Filters # 5	O/C ✓			
11	North Side Bldg 10 # 6	O/C ✓			
12	Between MP-444's and Water Treat # 4	O/C ✓			
13	West Side Power Block Valve Shed #1	O/C ✓			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☑	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐	Date: 4/27/24
Operator: Jose Garcia	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☐ Mechanical ☐ Valves ☐

Check the jockey pump on pressure drop. Start up pressure:

Discharge Pressure:

Pump Suction Pressure: Pump Discharge pressure:

Comments: All Fire System is down to underground leaks

Electric Pump

Pre-start Inspection: Electrical Feed ☐ Mechanical ☐ Valves ☐

Start the pump on pressure drop. Start up pressure:

Start time:

Pump Suction Pressure: Pump Discharge pressure:

Stop time: Total time running

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☐ Oil ☐ Mechanical ☐ Valves ☐ Water Jacket Heater ☐

Fuel level > 2/3: Yes ☐ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: Battery volt Crank 2:	Battery Condition:
Starting hour meter:	Start time:
Oil pressure start:	Oil Pressure finish:

Pump Suction Pressure: Pump Discharge pressure:

Coolant temperature after 30 minutes running:

Stop time: Stop hour meter: Total time running:

Comments:

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ **BETA:** ☑ **Date:** 4/5/24 **Operator** Roy

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	0	O/C ✓	✓	Y ☐ N ☑	
2	SG Unit 2	B1-2	0	O/C ✓	✓	Y ☐ N ☑	
3	Reheaters	B1-3	0	O/C ✓	✓	Y ☐ N ☑	
4	Rack 2 West HTF	B1-4	0	O/C ✓	✓	Y ☐ N ☑	
5	Rack 2 East HTF	B1-5	0	O/C ✓	✓	Y ☐ N ☑	
6	North Steel Pro	B1-6	0	O/C ✓	✓	Y ☐ N ☑	
7	HTF Pumps	B1-7	0	O/C ✓	✓	Y ☐ N ☑	
8	HTF Heaters	B1-8	0	O/C ✓	✓	Y ☐ N ☑	
9	South Steel Pro	B1-9	0	O/C ✓	✓	Y ☐ N ☑	
10	Lube Oil	B1-10	0	O/C ✓	✓	Y ☑ N ☐	loto
11	Turbine Hose Stations	B1-11	0	O/C ✓	✓	Y ☑ N ☐	loto
12	Turbine Bearings	B1-12	0	O/C ✓	✓	Y ☑ N ☐	loto

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	0	O/C (C circled)	✓	Y ☑ N ☐	lotto
2	Ullage Area	B2-2	160	O/C (O circled)	✓	Y ☑ N ☐	
3	Ullage Structure	B2-11	160	O/C (O circled)	✓	Y ☑ N ☐	
4	Rack 1 Middle Area	B2-5	160	O/C (O circled)	✓	Y ☑ N ☐	
5	Overflow Tanks	B2-9	155	O/C (O circled)	✓	Y ☑ N ☐	
6	Rack 1 South Area	B2-6	0	O/C (C circled)	✓	Y ☑ N ☐	loto
7	Rack 1 West	B2-7	160	O/C (O circled)	✓	Y ☑ N ☐	
8	Rack 1 North Area	B2-4	155	O/C (O circled)	✓	Y ☑ N ☐	
9	Over flow AFFF	B2-8	160	O/C (O circled)	✓	Y ☐ N ☑	
10	Expansion Vessel AFFF	B2-3	160	O/C (O circled)	✓	Y ☐ N ☑	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	150	O/C (O circled)	✓	Y ☑ N ☐	
2	Transformer Main	150	O/C (O circled)	✓	Y ☑ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	0	O/C (C circled)	✓	Y ☑ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	150	O/C (O circled)		Y ☐ N ☐	
2	Offices	B4-3	150	O/C (O circled)		Y ☐ N ☐	
3	Electrical Room	B4-4	150	O/C (O circled)		Y ☐ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☐ N ☑	O/C (O circled)	
2	Bearing 3	Y ☐ N ☑	O/C (O circled)	
3	Bearing 4	Y ☐ N ☑	O/C (O circled)	
4	Bearing 5	Y ☐ N ☑	O/C (O circled)	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☐ N ☑	O/C (O circled)	
2	MP-200A	Y ☐ N ☑	O/C (O circled)	
3	MP-200B	Y ☐ N ☑	O/C (O circled)	
4	MP-200C	Y ☐ N ☑	O/C (O circled)	
5	MP-200D	Y ☐ N ☑	O/C (O circled)	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	200	O	Y ☑ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C ✗			
2	Maintenance Shop Drive Way #8	✓ O/C	✓	4-7-24	
3	West Side Power Block by VS-3 # 9	O/C (O circled)	✓	4-7-24	
4	West Side Power Block by VS-1 # 10	O/C (C circled)			
5	West Side Cooling Tower by VS-4 # 11	O/C (O circled)	✓	4-7-24	
6	West side Cooling Tower by VS-4 # 12	O/C (O circled)	✓	4-7-24	
7	N.W. Corner Chemical Storage #1	O/C (O circled)	✓	4-7-24	
8	N.E. Corner Chemical Storage # 2	O/C (O circled)	✓	4-7-24	
9	East Side W.T. by Multimedia Filters # 3	✓ O/C	✓	4-7-24	
10	East Side W.T. by Multimedia Filters # 5	✓ O/C	✓	4-7-24	
11	North Side Bldg 10 # 6	O/C (O circled)	✓	4-7-24	
12	Between MP-444's and Water Treat # 4	O/C ✗			
13	West Side Power Block Valve Shed #1	O/C (O circled)	✓	4-7-24	

To Be Cycled First Saturday of Every Month

No.	System	Debris			Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☑			

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☐ Beta ☑	Date: 4/6/24
Operator: Anthony	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: 162

Pump Suction Pressure: — Pump Discharge pressure: —

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 2210

Pump Suction Pressure: 25 Pump Discharge pressure: 150

Stop time: 2220 Total time running 10 min

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☐ Oil ☐ Mechanical ☐ Valves ☐ Water Jacket Heater ☐

Fuel level > 2/3: Yes ☐ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: Battery volt Crank 2:	Battery Condition:
Starting hour meter:	Start time:
Oil pressure start:	Oil Pressure finish:

Pump Suction Pressure: Pump Discharge pressure:

Coolant temperature after 30 minutes running:

Stop time: Stop hour meter: Total time running:

Comments: Did not test (EOPS only)

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hourand no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☑ Date: 04/12/24 Operator Roy.W

Valve Shed # 1 by Condenser

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1 B1-1	0	O/C ✓	Y	Y ☐ N ☑	
2	SG Unit 2 B1-2	0	O/C ✓	Y	Y ☐ N ☑	
3	Reheaters B1-3	0	O/C ✓	Y	Y ☐ N ☑	
4	Rack 2 West HTF B1-4	0	O/C ✓	Y	Y ☐ N ☑	
5	Rack 2 East HTF B1-5	0	O/C ✓	Y	Y ☐ N ☑	
6	North Steel Pro B1-6	0	O/C ✓	Y	Y ☐ N ☑	
7	HTF Pumps B1-7	0	O/C ✓	Y	Y ☐ N ☑	
8	HTF Heaters B1-8	0	O/C ✓	Y	Y ☐ N ☑	
9	South Steel Pro B1-9	0	O/C ✓	Y	Y ☐ N ☑	
10	Lube Oil B1-10	0	O/C ✓	Y	Y ☑ N ☐	
11	Turbine Hose Stations B1-11	0	O/C ✓	Y	Y ☑ N ☐	
12	Turbine Bearings B1-12	0	O/C ✓	Y	Y ☑ N ☐	

Valve Shed # 2 by Overflow

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels B2-1	0	O/C ✓	Y	Y ☑ N ☐	
2	Ullage Area B2-2	152	✓ O/C	Y	Y ☑ N ☐	
3	Ullage Structure B2-11	151	O/C	Y	Y ☑ N ☐	
4	Rack 1 Middle Area B2-5	170	✓ O/C	Y	Y ☑ N ☐	
5	Overflow Tanks B2-9	151	✓ O/C	Y	Y ☑ N ☐	
6	Rack 1 South Area B2-6	0	O/C ✓	Y	Y ☑ N ☐	
7	Rack 1 West B2-7	151	✓ O/C	Y	Y ☑ N ☐	
8	Rack 1 North Area B2-4	151	✓ O/C	Y	Y ☑ N ☐	
9	Over flow AFFF B2-8	151	✓ O/C	Y	Y ☐ N ☑	
10	Expansion Vessel AFFF B2-3	151	✓ O/C	Y	Y ☐ N ☑	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	151	✓ O/C	Y	Y ☑ N ☐	
2	Transformer Main	151	✓ O/C	Y	Y ☑ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	0	O/C ✓	Y	Y ☑ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room B4-5	151	✓ O/C	Y	Y ☑ N ☐	
2	Offices B4-3	1	✓ O/C	Y	Y ☑ N ☐	
3	Electrical Room B4-4	151	✓ O/C	Y	Y ☐ N ☑	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☐ N ☑	✓ O/C	
2	Bearing 3	Y ☐ N ☑	✓ O/C	
3	Bearing 4	Y ☐ N ☑	✓ O/C	
4	Bearing 5	Y ☐ N ☑	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☑ N ☐	✓ O/C	
2	MP-200A	Y ☑ N ☐	✓ O/C	
3	MP-200B	Y ☑ N ☐	✓ O/C	
4	MP-200C	Y ☑ N ☐	✓ O/C	
5	MP-200D	Y ☑ N ☐	✓ O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	170	O	Y ☑ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C			
2	Maintenance Shop Drive Way #8	O/C			
3	West Side Power Block by VS-3 # 9	✓ O/C			
4	West Side Power Block by VS-1 # 10	O/C ✓			
5	West Side Cooling Tower by VS-4 # 11	✓ O/C			
6	West side Cooling Tower by VS-4 # 12	✓ O/C			
7	N.W. Corner Chemical Storage #1	✓ O/C			
8	N.E. Corner Chemical Storage # 2	✓ O/C			
9	East Side W.T. by Multimedia Filters # 3	O/C			
10	East Side W.T. by Multimedia Filters # 5	O/C			
11	North Side Bldg 10 # 6	✓ O/C			
12	Between MP-444's and Water Treat # 4	O/C			
13	West Side Power Block Valve Shed #1	✓ O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☐	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☐ Beta ☒	Date: 4-12-24 and 4-14-24
Operator: Efrain / Anthony	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☒ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: 162

Pump Suction Pressure: — Pump Discharge pressure: —

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 2005

Pump Suction Pressure: 20 Pump Discharge pressure: 150

Stop time: 2015 Total time running 10 min

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☐ No ☒ Monthly Fuel Consumption:

Battery volt Crank 1: 26 Battery volt Crank 2: 24.5	Battery Condition: Good
Starting hour meter: 135.8	Start time: 0908
Oil pressure start: 7 psi	Oil Pressure finish: 24 psi
Pump Suction Pressure: 25 psi	Pump Discharge pressure: 150 psi
Coolant temperature after 30 minutes running: 208 after 23 min	
Stop time: 0931 Stop hour meter: 136.1	Total time running: 23 min

Comments: contractor instructed to shut down due to issues

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☑ Date: 4/22/24 Operator Anthony

Valve Shed # 1 by Condenser

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1 B1-1		O/C		Y☐ N☐	whole Shed valved out
2	SG Unit 2 B1-2		O/C		Y☐ N☐	
3	Reheaters B1-3		O/C		Y☐ N☐	
4	Rack 2 West HTF B1-4		O/C		Y☐ N☐	
5	Rack 2 East HTF B1-5		O/C		Y☐ N☐	
6	North Steel Pro B1-6		O/C		Y☐ N☐	
7	HTF Pumps B1-7		O/C		Y☐ N☐	
8	HTF Heaters B1-8		O/C		Y☐ N☐	
9	South Steel Pro B1-9		O/C		Y☐ N☐	
10	Lube Oil B1-10		O/C		Y☐ N☐	
11	Turbine Hose Stations B1-11		O/C		Y☐ N☐	
12	Turbine Bearings B1-12		O/C		Y☐ N☐	

Valve Shed # 2 by Overflow

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels B2-1		O/C		Y☐ N☐	valved out
2	Ullage Area B2-2	165	✓O/C	✓	Y☑ N☐	
3	Ullage Structure B2-11	160	✓O/C	✓	Y☑ N☐	
4	Rack 1 Middle Area B2-5	170	✓O/C	✓	Y☑ N☐	
5	Overflow Tanks B2-9	155	✓O/C	✓	Y☑ N☐	
6	Rack 1 South Area B2-6		O/C		Y☐ N☐	valved out
7	Rack 1 West B2-7	160	✓O/C	✓	Y☑ N☐	
8	Rack 1 North Area B2-4	160	✓O/C	✓	Y☑ N☐	
9	Over flow AFFF B2-8	160	✓O/C	✓	Y☑ N☐	
10	Expansion Vessel AFFF B2-3	160	✓O/C	✓	Y☑ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	160	✓O/C	✓	Y☑ N☐	
2	Transformer Main	160	✓O/C	✓	Y☑ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side		O/C		Y☐ N☐	valved out/loto

Valve Shed # 5 by Control Bldg 10

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room B4-5	160	✓O/C	✓	Y☑ N☐	
2	Offices B4-3	160	✓O/C	✓	Y☑ N☐	
3	Electrical Room B4-4	155	✓O/C	✓	Y☑ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☑ N☐	✓O/C	
2	Bearing 3	Y☑ N☐	✓O/C	
3	Bearing 4	Y☑ N☐	✓O/C	
4	Bearing 5	Y☑ N☐	✓O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☑ N☐	✓O/C	
2	MP-200A	Y☑ N☐	✓O/C	
3	MP-200B	Y☑ N☐	✓O/C	
4	MP-200C	Y☑ N☐	✓O/C	
5	MP-200D	Y☑ N☐	✓O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	190	open	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C ✓			
2	Maintenance Shop Drive Way #8	✓O/C			
3	West Side Power Block by VS-3 # 9	✓O/C			
4	West Side Power Block by VS-1 # 10	✓O/C			
5	West Side Cooling Tower by VS-4 # 11	✓O/C			
6	West side Cooling Tower by VS-4 # 12	✓O/C			
7	N.W. Corner Chemical Storage #1	✓O/C			
8	N.E. Corner Chemical Storage # 2	✓O/C			
9	East Side W.T. by Multimedia Filters # 3	✓O/C			
10	East Side W.T. by Multimedia Filters # 5	✓O/C			
11	North Side Bldg 10 # 6	✓O/C			
12	Between MP-444's and Water Treat # 4	O/C ✓			
13	West Side Power Block Valve Shed #1	✓O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	✓☐ N☐	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☐ Beta ☑ | Date: 4/22/24

Operator: Eric'y | *To be completed each time unit is operated.

Reason for running pumps: Weekly test ☒ Maintenance ☐ Emergency ☐

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☐

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: 169

Pump Suction Pressure: — Pump Discharge pressure: —

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☐

Start the pump on pressure drop. Start up pressure: 155

Start time: 0220

Pump Suction Pressure: 25 Pump Discharge pressure: 55

Stop time: 0230 Total time running 10 min

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☐ Oil ☐ Mechanical ☐ Valves ☐ Water Jacket Heater ☐

Fuel level > 2/3: Yes ☐ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: Battery volt Crank 2:	Battery Condition:
Starting hour meter:	Start time:
Oil pressure start:	Oil Pressure finish:

Pump Suction Pressure: Pump Discharge pressure:

Coolant temperature after 30 minutes running:

Stop time: Stop hour meter: Total time running:

Comments: No Test due to Pump issues

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☑ Date: 11/27/24 Operator Erick

Valve Shed # 1 by Condenser

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1 B1-1		O/C ✓	✓	Y☐ N☑	P.I.V 10 Seconds.
2	SG Unit 2 B1-2		O/C ✓	✓	Y☐ N☑	
3	Reheaters B1-3		O/C ✓	✓	Y☐ N☑	
4	Rack 2 West HTF B1-4		✓ O/C	✓	Y☐ N☑	
5	Rack 2 East HTF B1-5		✓ O/C	✓	Y☐ N☑	
6	North Steel Pro B1-6		O/C ✓	✓	Y☐ N☑	
7	HTF Pumps B1-7		O/C ✓	✓	Y☐ N☑	
8	HTF Heaters B1-8		O/C ✓	✓	Y☐ N☑	
9	South Steel Pro B1-9		✓ O/C	✓	Y☐ N☑	
10	Lube Oil B1-10		O/C ✓	✓	Y☐ N☑	
11	Turbine Hose Stations B1-11		O/C ✓		Y☐ N☑	
12	Turbine Bearings B1-12		O/C ✓	✓	Y☐ N☑	

Valve Shed # 2 by Overflow

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels B2-1		O/C ✓	✓	Y☐ N☑	PIV 2 Seconds.
2	Ullage Area B2-2		✓ O/C	✓	Y☐ N☑	
3	Ullage Structure B2-11		✓ O/C	✓	Y☐ N☑	
4	Rack 1 Middle Area B2-5		✓ O/C	✓	Y☐ N☑	
5	Overflow Tanks B2-9		✓ O/C	✓	Y☐ N☑	
6	Rack 1 South Area B2-6		O/C ✓	✓	Y☐ N☑	
7	Rack 1 West B2-7		✓ O/C	✓	Y☐ N☑	
8	Rack 1 North Area B2-4		✓ O/C	✓	Y☐ N☑	
9	Over flow AFFF B2-8		✓ O/C	✓	Y☐ N☑	
10	Expansion Vessel AFFF B2-3		✓ O/C	✓	Y☐ N☑	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	160	✓ O/C	✓	Y☐ N☑	
2	Transformer Main	160	✓ O/C	✓	Y☐ N☑	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	Lake	O/C ✓	✓	Y☐ N☑	

Valve Shed # 5 by Control Bldg 10

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room B4-5	160	✓ O/C	✓	Y☐ N☑	
2	Offices B4-3	160	✓ O/C	✓	Y☐ N☑	
3	Electrical Room B4-4	165	✓ O/C	✓	Y☐ N☑	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☐ N☑	✓ O/C	
2	Bearing 3	Y☐ N☑	✓ O/C	
3	Bearing 4	Y☐ N☑	✓ O/C	
4	Bearing 5	Y☐ N☑	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☐ N☑	O/C ✓	
2	MP-200A	Y☐ N☑	O/C ✓	
3	MP-200B	Y☐ N☑	O/C ✓	
4	MP-200C	Y☐ N☑	O/C ✓	
5	MP-200D	Y☐ N☑	O/C ✓	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	180	O ✓	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C ✓			
2	Maintenance Shop Drive Way #8	✓ O/C			
3	West Side Power Block by VS-3 # 9	✓ O/C			
4	West Side Power Block by VS-1 # 10	O/C ✓			out of service.
5	West Side Cooling Tower by VS-4 # 11	✓ O/C			
6	West side Cooling Tower by VS-4 # 12	✓ O/C			
7	N.W. Corner Chemical Storage #1	✓ O/C			
8	N.E. Corner Chemical Storage # 2	O/C ✓			
9	East Side W.T. by Multimedia Filters # 3	✓ O/C			
10	East Side W.T. by Multimedia Filters # 5	✓ O/C			
11	North Side Bldg 10 # 6	✓ O/C			
12	Between MP-444's and Water Treat # 4	O/C ✓			
13	West Side Power Block Valve Shed #1	✓ O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris		Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☐		

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☐ Beta ☑	Date: 4/27/24
Operator: Jose Garcia	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155 psi

Discharge Pressure: ~~160 psi~~ 160 psi

Pump Suction Pressure: N/A Pump Discharge pressure: 160 psi

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure:

Start time: 2410

Pump Suction Pressure: 15 psi Pump Discharge pressure: 156 psi

Stop time: 2420 Total time running 10 min

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☐ Oil ☐ Mechanical ☐ Valves ☐ Water Jacket Heater ☐

Fuel level > 2/3: Yes ☐ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: Battery volt Crank 2:	Battery Condition:
Starting hour meter:	Start time:
Oil pressure start:	Oil Pressure finish:

Pump Suction Pressure: Pump Discharge pressure:

Coolant temperature after 30 minutes running:

Stop time: Stop hour meter: Total time running:

Comments: Didnt run Diesel pump until further notice.

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☑ Date: 5/10/24 Operator Diego R.

Valve Shed # 1 by Condenser

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1 B1-1	0	O/C	✓	Y☐ N☐	
2	SG Unit 2 B1-2	0	O/C	✓	Y☐ N☐	
3	Reheaters B1-3	0	O/C	✓	Y☐ N☐	
4	Rack 2 West HTF B1-4	0	O/C	✓	Y☐ N☐	
5	Rack 2 East HTF B1-5	0	O/C	✓	Y☐ N☐	
6	North Steel Pro B1-6	0	O/C	✓	Y☐ N☐	
7	HTF Pumps B1-7	0	O/C	✓	Y☐ N☐	
8	HTF Heaters B1-8	0	O/C	✓	Y☐ N☐	
9	South Steel Pro B1-9	0	O/C	✓	Y☐ N☐	
10	Lube Oil B1-10	0	O/C	✓	Y☐ N☐	
11	Turbine Hose Stations B1-11	0	O/C	✓	Y☐ N☐	
12	Turbine Bearings B1-12	0	O/C	✓	Y☐ N☐	

Valve Shed # 2 by Overflow

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels B2-1	170	O/C	✓	Y☐ N☐	
2	Ullage Area B2-2	170	O/C	✓	Y☐ N☐	
3	Ullage Structure B2-11	160	O/C	✓	Y☐ N☐	
4	Rack 1 Middle Area B2-5	160	O/C	✓	Y☐ N☐	
5	Overflow Tanks B2-9	160	O/C	✓	Y☐ N☐	
6	Rack 1 South Area B2-6	165	O/C	✓	Y☐ N☐	
7	Rack 1 West B2-7	160	O/C	✓	Y☐ N☐	
8	Rack 1 North Area B2-4	160	O/C	✓	Y☐ N☐	
9	Over flow AFFF B2-8	165	O/C	✓	Y☐ N☐	
10	Expansion Vessel AFFF B2-3	165	O/C	✓	Y☐ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	190	O/C	✓	Y☐ N☐	
2	Transformer Main	190	O/C	✓	Y☐ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	160	O/C	X	Y☑ N☐	

Valve Shed # 5 by Control Bldg 10

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room B4-5	160	O/C	✓	Y☐ N☐	
2	Offices B4-3	160	O/C	✓	Y☐ N☐	
3	Electrical Room B4-4	160	O/C	✓	Y☐ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☐ N☐	O/C	
2	Bearing 3	Y☐ N☐	O/C	
3	Bearing 4	Y☐ N☐	O/C	
4	Bearing 5	Y☐ N☐	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☐ N☐	O/C	
2	MP-200A	Y☐ N☐	O/C	
3	MP-200B	Y☐ N☐	O/C	
4	MP-200C	Y☐ N☐	O/C	
5	MP-200D	Y☐ N☐	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	170	O	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C			
2	Maintenance Shop Drive Way #8	O/C			
3	West Side Power Block by VS-3 # 9	O/C			
4	West Side Power Block by VS-1 # 10	O/C			
5	West Side Cooling Tower by VS-4 # 11	O/C			
6	West side Cooling Tower by VS-4 # 12	O/C			
7	N.W. Corner Chemical Storage #1	O/C			
8	N.E. Corner Chemical Storage # 2	O/C			
9	East Side W.T. by Multimedia Filters # 3	O/C			
10	East Side W.T. by Multimedia Filters # 5	O/C			
11	North Side Bldg 10 # 6	O/C			
12	Between MP-444's and Water Treat # 4	O/C			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris		Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☐		

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☐ Beta ☑ | Date: 5/11/24

Operator: Erick | *To be completed each time unit is operated.

Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: 160

Pump Suction Pressure: N/A | Pump Discharge pressure: 160

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145.

Start time: 20:58

Pump Suction Pressure: 15 | Pump Discharge pressure: 150

Stop time: 21:08 | Total time running 10 min.

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☐ No ☑ | Monthly Fuel Consumption:

Battery volt Crank 1: 26.6 Battery volt Crank 2: 26.6 | Battery Condition: Good.

Starting hour meter: 136.1 | Start time: N/A.

Oil pressure start: N/A | Oil Pressure finish: N/A. —

Pump Suction Pressure: N/A | Pump Discharge pressure: N/A.

Coolant temperature after 30 minutes running: —

Stop time: — | Stop hour meter: 136.1 | Total time running: N/A —

Comments:

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

e: Fuel consumption 27 gal/ h approximately.

e is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 05/11/24 Operator Josch.

Valve Shed # 1 by Condenser

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1 B1-1		O/C ✓	✓	Y ☑ N ☐	The whole shed loto out
2	SG Unit 2 B1-2		O/C ✓	✓	Y ☑ N ☐	
3	Reheaters B1-3		O/C ✓	✓	Y ☑ N ☐	
4	Rack 2 West HTF B1-4		O/C ✓	✓	Y ☑ N ☐	
5	Rack 2 East HTF B1-5		O/C ✓	✓	Y ☑ N ☐	
6	North Steel Pro B1-6		O/C ✓	✓	Y ☑ N ☐	
7	HTF Pumps B1-7		O/C ✓	✓	Y ☑ N ☐	
8	HTF Heaters B1-8		O/C ✓	✓	Y ☑ N ☐	
9	South Steel Pro B1-9		O/C ✓	✓	Y ☑ N ☐	
10	Lube Oil B1-10		O/C ✓	✓	Y ☑ N ☐	
11	Turbine Hose Stations B1-11		O/C ✓	✓	Y ☑ N ☐	
12	Turbine Bearings B1-12		O/C ✓	✓	Y ☑ N ☐	

Valve Shed # 2 by Overflow

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels B2-1		O/C ✓	✓	Y ☑ N ☐	loto out
2	Ullage Area B2-2		O/C ✓		Y ☑ N ☐	
3	Ullage Structure B2-11		O/C ✓		Y ☑ N ☐	
4	Rack 1 Middle Area B2-5		O/C ✓		Y ☑ N ☐	
5	Overflow Tanks B2-9		O/C ✓		Y ☑ N ☐	
6	Rack 1 South Area B2-6		O/C ✓	✓	Y ☑ N ☐	loto out
7	Rack 1 West B2-7		O/C ✓		Y ☑ N ☐	
8	Rack 1 North Area B2-4		O/C ✓		Y ☑ N ☐	
9	Over flow AFFF B2-8		O/C ✓		Y ☑ N ☐	
10	Expansion Vessel AFFF B2-3		O/C ✓		Y ☑ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux		O/C ✓	✓	Y ☑ N ☐	loto out
2	Transformer Main	150	O/C ✓	✓	Y ☑ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	120	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room B4-5	120	✓ O/C	✓	Y ☑ N ☐	
2	Offices B4-3	120	✓ O/C	✓	Y ☑ N ☐	
3	Electrical Room B4-4	120	✓ O/C	✓	Y ☑ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☑ N ☐	✓ O/C	
2	Bearing 3	Y ☑ N ☐	✓ O/C	
3	Bearing 4	Y ☑ N ☐	✓ O/C	
4	Bearing 5	Y ☑ N ☐	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☑ N ☐	O/C ✓	
2	MP-200A	Y ☑ N ☐	O/C ✓	
3	MP-200B	Y ☑ N ☐	O/C ✓	
4	MP-200C	Y ☑ N ☐	O/C ✓	
5	MP-200D	Y ☑ N ☐	O/C ✓	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	200	O	Y ☑ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C ✓			
2	Maintenance Shop Drive Way #8	✓ O/C			
3	West Side Power Block by VS-3 # 9	O/C ✓			
4	West Side Power Block by VS-1 # 10	O/C ✓			loto out
5	West Side Cooling Tower by VS-4 # 11	O/C ✓			
6	West side Cooling Tower by VS-4 # 12	✓ O/C			
7	N.W. Corner Chemical Storage #1	O/C ✓			loto out
8	N.E. Corner Chemical Storage # 2	✓ O/C			
9	East Side W.T. by Multimedia Filters # 3	✓ O/C			
10	East Side W.T. by Multimedia Filters # 5	✓ O/C			
11	North Side Bldg 10 # 6	✓ O/C			
12	Between MP-444's and Water Treat # 4	O/C ✓			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris		Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☑		

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐	Date: 5/12/24
Operator: Ray .W	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155 psi

Discharge Pressure: 165 psi

Pump Suction Pressure: N/A Pump Discharge pressure: 165 psi

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☐ Mechanical ☐ Valves ☐

Start the pump on pressure drop. Start up pressure:

Start time:

Pump Suction Pressure: Pump Discharge pressure:

op time: Total time running

Comments:
Out of Service Due to underground leak

Diesel Pump

Pre-start Inspection: Coolant ☐ Oil ☐ Mechanical ☐ Valves ☐ Water Jacket Heater ☐

Fuel level > 2/3: Yes ☐ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: Battery volt Crank 2:	Battery Condition:
Starting hour meter:	Start time:
Oil pressure start:	Oil Pressure finish:

Pump Suction Pressure: Pump Discharge pressure:

Coolant temperature after 30 minutes running:

Stop time: Stop hour meter: Total time running:

Comments:
Out of Service Due to underground leak

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

re is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 5/15/24 Operator Ray. W

Valve Shed # 1 by Condenser

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1 B1-1	0	O/C ✓	✓	Y☐ N☑	
2	SG Unit 2 B1-2	0	O/C ✓	✓	Y☐ N☑	
3	Reheaters B1-3	0	O/C ✓	✓	Y☐ N☑	
4	Rack 2 West HTF B1-4	0	O/C ✓	✓	Y☐ N☑	
5	Rack 2 East HTF B1-5	0	O/C ✓	✓	Y☐ N☑	
6	North Steel Pro B1-6	0	O/C ✓	✓	Y☐ N☑	
7	HTF Pumps B1-7	0	O/C ✓	✓	Y☐ N☑	
8	HTF Heaters B1-8	0	O/C ✓	✓	Y☐ N☑	
9	South Steel Pro B1-9	0	O/C ✓	✓	Y☐ N☑	
10	Lube Oil B1-10	0	O/C ✓	✓	Y☐ N☑	
11	Turbine Hose Stations B1-11	0	O/C ✓	✓	Y☐ N☑	
12	Turbine Bearings B1-12	0	O/C ✓	✓	Y☑ N☐	

Valve Shed # 2 by Overflow

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels B2-1	0	O/C ✓	✓	Y☑ N☐	Loto
2	Ullage Area B2-2	0	O/C ✓	✓	Y☐ N☑	
3	Ullage Structure B2-11	0	O/C ✓	✓	Y☐ N☑	
4	Rack 1 Middle Area B2-5	0	O/C ✓	✓	Y☐ N☑	
5	Overflow Tanks B2-9	0	O/C ✓	✓	Y☐ N☑	
6	Rack 1 South Area B2-6	0	O/C ✓	✓	Y☐ N☑	
7	Rack 1 West B2-7	0	O/C ✓	✓	Y☐ N☑	
8	Rack 1 North Area B2-4	0	O/C ✓	✓	Y☐ N☑	
9	Over flow AFFF B2-8	0	O/C ✓	✓	Y☐ N☑	
10	Expansion Vessel AFFF B2-3	0	O/C ✓	✓	Y☐ N☑	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	155	✓ O/C	✓	Y☐ N☑	
2	Transformer Main	155	✓ O/C	✓	Y☐ N☑	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	16	O/C	✗	Y☐ N☑	

Valve Shed # 5 by Control Bldg 10

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room B4-5	155	✓ O/C	✓	Y☑ N☐	
2	Offices B4-3	155	✓ O/C	✓	Y☑ N☐	
3	Electrical Room B4-4	155	✓ O/C	✓	Y☑ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☑ N☐	✓ O/C	
2	Bearing 3	Y☑ N☐	✓ O/C	
3	Bearing 4	Y☑ N☐	✓ O/C	
4	Bearing 5	Y☑ N☐	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☐ N☑	O/C ✓	
2	MP-200A	Y☐ N☑	O/C ✓	
3	MP-200B	Y☐ N☑	O/C ✓	
4	MP-200C	Y☐ N☑	O/C ✓	
5	MP-200D	Y☐ N☐	O/C ✓	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	100	✓	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C ✓			
2	Maintenance Shop Drive Way #8	✓ O/C			
3	West Side Power Block by VS-3 # 9	✓ O/C			
4	West Side Power Block by VS-1 # 10	O/C ✓			Loto
5	West Side Cooling Tower by VS-4 # 11	✓ O/C			
6	West side Cooling Tower by VS-4 # 12	✓ O/C			
7	N.W. Corner Chemical Storage #1	O/C ✓			
8	N.E. Corner Chemical Storage # 2	✓ O/C			
9	East Side W.T. by Multimedia Filters # 3	✓ O/C			
10	East Side W.T. by Multimedia Filters # 5	✓ O/C			
11	North Side Bldg 10 # 6	✓ O/C			
12	Between MP-444's and Water Treat # 4	O/C ✓			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris		Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☐		

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐	Date: 05/19/24
Operator: Jose Garcia	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155 psi

Discharge Pressure: 165 psi

Pump Suction Pressure: N/A Pump Discharge pressure: 162 psi

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 146

Start time: 2321

Pump Suction Pressure: 15psi Pump Discharge pressure: 150

Stop time: 2331 Total time running 10min

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☐ Oil ☐ Mechanical ☐ Valves ☐ Water Jacket Heater ☐

Fuel level > 2/3: Yes ☐ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: Battery volt Crank 2:	Battery Condition:
Starting hour meter:	Start time:
Oil pressure start:	Oil Pressure finish:

Pump Suction Pressure: Pump Discharge pressure:

Coolant temperature after 30 minutes running:

Stop time: Stop hour meter: Total time running:

Comments:

Not Running Fire system Disel until Futher Notice

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

e is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☑ Date: 5/19/24 Operator ERICK C

Valve Shed # 1 by Condenser

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1 B1-1		O/C ✓	✓	Y☐ N☑	
2	SG Unit 2 B1-2		O/C ✓	✓	Y☐ N☑	
3	Reheaters B1-3		O/C ✓	✓	Y☐ N☑	PIV Secured.
4	Rack 2 West HTF B1-4		O/C ✓	✓	Y☐ N☑	
5	Rack 2 East HTF B1-5		O/C ✓	✓	Y☐ N☑	
6	North Steel Pro B1-6		O/C ✓	✓	Y☐ N☑	
7	HTF Pumps B1-7		O/C ✓	✓	Y☐ N☑	
8	HTF Heaters B1-8		O/C ✓	✓	Y☐ N☑	
9	South Steel Pro B1-9		O/C ✓	✓	Y☐ N☑	
10	Lube Oil B1-10		O/C ✓	✓	Y☐ N☑	
11	Turbine Hose Stations B1-11		O/C ✓	✓	Y☐ N☑	
12	Turbine Bearings B1-12		O/C ✓	✓	Y☐ N☑	

Valve Shed # 2 by Overflow

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels B2-1	165 ✓	O/C ✓	✓	Y☑ N☐	
2	Ullage Area B2-2	165 ✓	O/C ✓	✓	Y☑ N☐	
3	Ullage Structure B2-11	160 ✓	O/C ✓	✓	Y☑ N☐	
4	Rack 1 Middle Area B2-5	165 ✓	O/C ✓	✓	Y☑ N☐	
5	Overflow Tanks B2-9	160 ✓	O/C ✓	✓	Y☑ N☐	
6	Rack 1 South Area B2-6	160 ✓	O/C ✓	✓	Y☑ N☐	
7	Rack 1 West B2-7	160 ✓	O/C ✓	✓	Y☑ N☐	
8	Rack 1 North Area B2-4	160 ✓	O/C ✓	✓	Y☑ N☐	
9	Over flow AFFF B2-8	160 ✓	O/C ✓	✓	Y☑ N☐	
10	Expansion Vessel AFFF B2-3	160 ✓	O/C ✓	✓	Y☑ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	160 ✓	O/C ✓	✓	Y☐ N☑	
2	Transformer Main	160 ✓	O/C ✓	✓	Y☑ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	160 ✓	O/C ✓	✓	Y☑ N☐	

Valve Shed # 5 by Control Bldg 10

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room B4-5	160 ✓	O/C ✓	✓	Y☑ N☐	
2	Offices B4-3	160 ✓	O/C ✓	✓	Y☑ N☐	
3	Electrical Room B4-4	155 ✓	O/C ✓	✓	Y☐ N☑	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☐ N☑ ✓	O/C ✓	
2	Bearing 3	Y☐ N☑ ✓	O/C ✓	
3	Bearing 4	Y☐ N☑ ✓	O/C ✓	
4	Bearing 5	Y☐ N☑ ✓	O/C ✓	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☐ N☑ ✓	O/C ✓	
2	MP-200A	Y☐ N☑ ✓	O/C ✓	
3	MP-200B	Y☐ N☑ ✓	O/C ✓	
4	MP-200C	Y☐ N☑ ✓	O/C ✓	
5	MP-200D	Y☐ N☑ ✓	O/C ✓	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	185 ✓	O ✓	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	✓ O/C			
2	Maintenance Shop Drive Way #8	O/C ✓			
3	West Side Power Block by VS-3 # 9	✓ O/C			
4	West Side Power Block by VS-1 # 10 015	O/C ✓			
5	West Side Cooling Tower by VS-4 # 11	✓ O/C			
6	West side Cooling Tower by VS-4 # 12	✓ O/C			
7	N.W. Corner Chemical Storage #1	✓ O/C			
8	N.E. Corner Chemical Storage # 2	✓ O/C			
9	East Side W.T. by Multimedia Filters # 3	✓ O/C			
10	East Side W.T. by Multimedia Filters # 5	✓ O/C			
11	North Side Bldg 10 # 6	✓ O/C			
12	Between MP-444's and Water Treat # 4	O/C ✓			
13	West Side Power Block Valve Shed #1 13	O/C ✓			

To Be Cycled First Saturday of Every Month

No.	System	Debris		Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☐		

450

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☐ Beta ☑	Date: 5/19/24
Operator: Diego Rodriguez	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 135 psi

Discharge Pressure: 162 psi

Pump Suction Pressure: N/A Pump Discharge pressure: 165 psi

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145 psi

Start time: 2358

Pump Suction Pressure: 15 psi Pump Discharge pressure: 150 psi

Stop time: 0008 Total time running 10 Mins.

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☐ Oil ☐ Mechanical ☐ Valves ☐ Water Jacket Heater ☐

Fuel level > 2/3: Yes ☐ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: Battery volt Crank 2:	Battery Condition:
Starting hour meter:	Start time:
Oil pressure start:	Oil Pressure finish:

Pump Suction Pressure: Pump Discharge pressure:

Coolant temperature after 30 minutes running:

Stop time: Stop hour meter: Total time running:

Comments:

NOT running till further notice

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 -"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

re is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 5/26/24 Operator Roy. W

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	0	O/C ✓	✓	Y☐ N☑	
2	SG Unit 2	B1-2	0	O/C ✓	✓	Y☐ N☑	
3	Reheaters	B1-3	0	O/C ✓	✓	Y☐ N☑	
4	Rack 2 West HTF	B1-4	0	O/C ✓	✓	Y☐ N☑	
5	Rack 2 East HTF	B1-5	0	O/C ✓	✓	Y☐ N☑	
6	North Steel Pro	B1-6	0	O/C ✓	✓	Y☐ N☑	
7	HTF Pumps	B1-7	0	O/C ✓	✓	Y☐ N☑	
8	HTF Heaters	B1-8	0	O/C ✓	✓	Y☐ N☑	
9	South Steel Pro	B1-9	0	O/C ✓	✓	Y☐ N☑	
10	Lube Oil	B1-10	0	O/C ✓	✓	Y☐ N☑	
11	Turbine Hose Stations	B1-11	0	O/C ✓	✓	Y☐ N☑	
12	Turbine Bearings	B1-12	0	O/C ✓	✓	Y☐ N☑	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	0	O/C ✓	✓	Y☐ N☑	LOTO
2	Ullage Area	B2-2	0	O/C ✓	✓	Y☐ N☐	
3	Ullage Structure	B2-11	0	O/C ✓	✓	Y☐ N☐	
4	Rack 1 Middle Area	B2-5	0	O/C ✓	✓	Y☐ N☐	
5	Overflow Tanks	B2-9	0	O/C ✓	✓	Y☐ N☐	
6	Rack 1 South Area	B2-6	0	O/C ✓	✓	Y☐ N☐	
7	Rack 1 West	B2-7	0	O/C ✓	✓	Y☐ N☐	
8	Rack 1 North Area	B2-4	0	O/C ✓	✓	Y☐ N☐	
9	Over flow AFFF	B2-8	0	O/C ✓	✓	Y☐ N☐	
10	Expansion Vessel AFFF	B2-3	0	O/C ✓	✓	Y☐ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	155	✓O/C	✓	Y☐ N☑	
2	Transformer Main	155	✓O/C	✓	Y☐ N☑	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	110	✓O/C	✓	Y☐ N☑	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	155	✓ O/C	✓	Y☑ N☐	
2	Offices	B4-3	155	✓O/C	✓	Y☑ N☐	
3	Electrical Room	B4-4	155	✓ O/C	✓	Y☑ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☑ N☐	✓O/C	
2	Bearing 3	Y☑ N☐	✓O/C	
3	Bearing 4	Y☑ N☐	✓ O/C	
4	Bearing 5	Y☑ N☐	✓O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☐ N☑	O/C✓	
2	MP-200A	Y☐ N☑	O/C ✓	
3	MP-200B	Y☐ N☑	O/C ✓	
4	MP-200C	Y☐ N☑	O/C ✓	
5	MP-200D	Y☐ N☑	O/C ✓	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	190	✓	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C ✓			
2	Maintenance Shop Drive Way #8	✓ O/C			
3	West Side Power Block by VS-3 # 9	✓ O/C			
4	West Side Power Block by VS-1 # 10	O/C ✓			LOTO
5	West Side Cooling Tower by VS-4 # 11	✓ O/C			
6	West side Cooling Tower by VS-4 # 12	✓ O/C			
7	N.W. Corner Chemical Storage #1	O/C ✓			LOTO
8	N.E. Corner Chemical Storage # 2	✓ O/C			
9	East Side W.T. by Multimedia Filters # 3	✓ O/C			
10	East Side W.T. by Multimedia Filters # 5	✓ O/C			
11	North Side Bldg 10 # 6	✓ O/C			
12	Between MP-444's and Water Treat # 4	O/C ✓			
13	West Side Power Block Valve Shed #1	O/C			not at alpha

To Be Cycled First Saturday of Every Month

No.	System	Debris		Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☐		

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐ | Date: 5/24/24

Operator: Anthony | *To be completed each time unit is operated.

Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: 162

Pump Suction Pressure: — Pump Discharge pressure: —

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 2304

Pump Suction Pressure: 25 Pump Discharge pressure: 150

Stop time: 2314 Total time running 10 min

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☐ No ☑ Monthly Fuel Consumption: —

Battery volt Crank 1: 26 Battery volt Crank 2: 26 | Battery Condition: Good

Starting hour meter: 131.2 | Start time: 2317

Oil pressure start: 1 | Oil Pressure finish: 37

Pump Suction Pressure: 25 Pump Discharge pressure: 150

Coolant temperature after 30 minutes running: 203 after 17 minutes

Stop time: 2334 Stop hour meter: 131.4 Total time running: 17 min

Comments:

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

e is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☑ Date: 5/25/24 Operator TAYLOR

Valve Shed # 1 by Condenser

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1 B1-1		O/C ✓	✓	Y ☐ N ☑	
2	SG Unit 2 B1-2		O/C ✓	✓	Y ☐ N ☑	
3	Reheaters B1-3		O/C ✓	✓	Y ☐ N ☑	
4	Rack 2 West HTF B1-4		O/C ✓	✓	Y ☐ N ☑	
5	Rack 2 East HTF B1-5		O/C ✓	✓	Y ☐ N ☑	
6	North Steel Pro B1-6		O/C ✓	✓	Y ☐ N ☑	
7	HTF Pumps B1-7		O/C ✓	✓	Y ☐ N ☑	
8	HTF Heaters B1-8		O/C ✓	✓	Y ☐ N ☑	
9	South Steel Pro B1-9		O/C ✓	✓	Y ☐ N ☑	
10	Lube Oil B1-10		O/C ✓	✓	Y ☐ N ☑	
11	Turbine Hose Stations B1-11		O/C ✓	✓	Y ☐ N ☑	
12	Turbine Bearings B1-12		O/C ✓	✓	Y ☑ N ☐	

Valve Shed # 2 by Overflow

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels B2-1	152	✓ O/C	✓	Y ☑ N ☐	
2	Ullage Area B2-2	170	✓ O/C	✓	Y ☑ N ☐	
3	Ullage Structure B2-11	160	✓ O/C	✓	Y ☑ N ☐	
4	Rack 1 Middle Area B2-5	158	✓ O/C	✓	Y ☑ N ☐	
5	Overflow Tanks B2-9	165	✓ O/C	✓	Y ☑ N ☐	
6	Rack 1 South Area B2-6	152	✓ O/C	✓	Y ☑ N ☐	
7	Rack 1 West B2-7	170	✓ O/C	✓	Y ☑ N ☐	
8	Rack 1 North Area B2-4	160	✓ O/C	✓	Y ☑ N ☐	
9	Over flow AFFF B2-8	152	✓ O/C	✓	Y ☑ N ☐	
10	Expansion Vessel AFFF B2-3	152	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	152	✓ O/C	✓	Y ☐ N ☑	
2	Transformer Main	152	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	50	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room B4-5	152	✓ O/C	✓	Y ☐ N ☐	
2	Offices B4-3	152	✓ O/C	✓	Y ☐ N ☐	
3	Electrical Room B4-4	152	✓ O/C	✓	Y ☐ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☑ N ☐	✓ O/C	
2	Bearing 3	Y ☑ N ☐	✓ O/C	
3	Bearing 4	Y ☑ N ☐	✓ O/C	
4	Bearing 5	Y ☑ N ☐	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☑ N ☐	✓ O/C	
2	MP-200A	Y ☑ N ☐	✓ O/C	
3	MP-200B	Y ☑ N ☐	✓ O/C	
4	MP-200C	Y ☑ N ☐	✓ O/C	
5	MP-200D	Y ☑ N ☐	✓ O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	165	O	Y ☑ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C ✓			
2	Maintenance Shop Drive Way #8	✓ O/C			
3	West Side Power Block by VS-3 # 9	✓ O/C			
4	West Side Power Block by VS-1 # 10	O/C ✓			
5	West Side Cooling Tower by VS-4 # 11	✓ O/C			
6	West side Cooling Tower by VS-4 # 12	✓ O/C			
7	N.W. Corner Chemical Storage #1	✓ O/C			
8	N.E. Corner Chemical Storage # 2	✓ O/C			
9	East Side W.T. by Multimedia Filters # 3	✓ O/C			
10	East Side W.T. by Multimedia Filters # 5	✓ O/C			
11	North Side Bldg 10 # 6	✓ O/C			
12	Between MP-444's and Water Treat # 4	O/C ✓			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris		Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☑		

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☐ Beta ☑	Date: 5/25/24
Operator: Anthony	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: 162

Pump Suction Pressure: — Pump Discharge pressure: —

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 2313

Pump Suction Pressure: 20 Pump Discharge pressure: 150

Stop time: 2323 Total time running 10 min

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☐ Oil ☐ Mechanical ☐ Valves ☐ Water Jacket Heater ☐

Fuel level > 2/3: Yes ☐ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: Battery volt Crank 2:	Battery Condition:
Starting hour meter:	Start time:
Oil pressure start:	Oil Pressure finish:

Pump Suction Pressure: Pump Discharge pressure:

Coolant temperature after 30 minutes running:

Stop time: Stop hour meter: Total time running:

Comments: Didn't run (Emergency only)

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

e: Fuel consumption 27 gal/ h approximately.

e is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☒ BETA: ☐ Date: 5/31/24 Operator Antone P

Valve Shed # 1 by Condenser

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1 B1-1	0	O/C X	✓	Y ☒ N ☐	
2	SG Unit 2 B1-2	0	O/C X	✓	Y ☒ N ☐	
3	Reheaters B1-3	0	O/C X	✓	Y ☒ N ☐	
4	Rack 2 West HTF B1-4	0	O/C X	✓	Y ☒ N ☐	
5	Rack 2 East HTF B1-5	0	O/C X	✓	Y ☒ N ☐	
6	North Steel Pro B1-6	0	O/C X	✓	Y ☒ N ☐	
7	HTF Pumps B1-7	0	O/C X	✓	Y ☒ N ☐	
8	HTF Heaters B1-8	0	O/C X	✓	Y ☒ N ☐	
9	South Steel Pro B1-9	0	O/C X	✓	Y ☒ N ☐	
10	Lube Oil B1-10	0	O/C X	✓	Y ☒ N ☐	
11	Turbine Hose Stations B1-11	0	O/C X	✓	Y ☒ N ☐	
12	Turbine Bearings B1-12	0	O/C X	✓	Y ☒ N ☐	

Valve Shed # 2 by Overflow

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels B2-1	0	O/C X	✓	Y ☒ N ☐	
2	Ullage Area B2-2	0	O/C X	✓	Y ☒ N ☐	
3	Ullage Structure B2-11	0	O/C X	✓	Y ☒ N ☐	
4	Rack 1 Middle Area B2-5	0	O/C X	✓	Y ☒ N ☐	
5	Overflow Tanks B2-9	0	O/C X	✓	Y ☒ N ☐	
6	Rack 1 South Area B2-6	0	O/C X	✓	Y ☒ N ☐	
7	Rack 1 West B2-7	0	O/C X	✓	Y ☒ N ☐	
8	Rack 1 North Area B2-4	0	O/C X	✓	Y ☒ N ☐	
9	Over flow AFFF B2-8	0	O/C X	✓	Y ☒ N ☐	
10	Expansion Vessel AFFF B2-3	0	O/C X	✓	Y ☒ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	160	✓ O/C	✓	Y ☒ N ☐	
2	Transformer Main	160	✓ O/C	✓	Y ☒ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	160	✓ O/C	✓	Y ☒ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room B4-5	160	✓ O/C	✓	Y ☒ N ☐	
2	Offices B4-3	160	✓ O/C	✓	Y ☒ N ☐	
3	Electrical Room B4-4	160	✓ O/C	✓	Y ☒ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☒ N ☐	✓ O/C	
2	Bearing 3	Y ☒ N ☐	✓ O/C	
3	Bearing 4	Y ☒ N ☐	✓ O/C	
4	Bearing 5	Y ☒ N ☐	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☒ N ☐	✓ O/C	
2	MP-200A	Y ☒ N ☐	O/C X	
3	MP-200B	Y ☒ N ☐	O/C X	
4	MP-200C	Y ☒ N ☐	O/C X	
5	MP-200D	Y ☒ N ☐	O/C X	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	195	✓	Y ☒ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	✓ O/C X			
2	Maintenance Shop Drive Way #8	✓ O/C			
3	West Side Power Block by VS-3 # 9	✓ O/C			
4	West Side Power Block by VS-1 # 10	O/C X			
5	West Side Cooling Tower by VS-4 # 11	✓ O/C			
6	West side Cooling Tower by VS-4 # 12	✓ O/C			
7	N.W. Corner Chemical Storage #1	O/C X			
8	N.E. Corner Chemical Storage # 2	✓ O/C			
9	East Side W.T. by Multimedia Filters # 3	✓ O/C			
10	East Side W.T. by Multimedia Filters # 5	✓ O/C			
11	North Side Bldg 10 # 6	✓ O/C			
12	Between MP-444's and Water Treat # 4	O/C X			
13	West Side Power Block Valve Shed #1	O/C			N/A

To Be Cycled First Saturday of Every Month

No.	System	Debris		Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☒		

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐ | Date: 6/2/24

Operator: Anthony | *To be completed each time unit is operated.

Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: 162

Pump Suction Pressure: — Pump Discharge pressure: —

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 2036

Pump Suction Pressure: 20 Pump Discharge pressure: 150

Stop time: 2046 Total time running 10 min

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☐ No ☑ Monthly Fuel Consumption: —

Battery volt Crank 1: 26 Battery volt Crank 2: 26	Battery Condition: Good
Starting hour meter: 131.4	Start time: 2050
Oil pressure start: 1	Oil Pressure finish: 39

Pump Suction Pressure: 20 Pump Discharge pressure: 150

Coolant temperature after 30 minutes running: 201 after 10 min

Stop time: 2100 Stop hour meter: 131.5 Total time running: 10 min

Comments:

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

ere is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☑ Date: 5/31/24 Operator Taylor

Valve Shed # 1 by Condenser

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1 B1-1	0	O/C ✓	✓	Y ☐ N ☑	
2	SG Unit 2 B1-2	0	O/C ✓	✓	Y ☐ N ☑	
3	Reheaters B1-3	0	O/C ✓	✓	Y ☐ N ☑	
4	Rack 2 West HTF B1-4	0	O/C ✓	✓	Y ☐ N ☑	
5	Rack 2 East HTF B1-5	0	O/C ✓	✓	Y ☐ N ☑	
6	North Steel Pro B1-6	0	O/C ✓	✓	Y ☐ N ☑	
7	HTF Pumps B1-7	0	O/C ✓	✓	Y ☐ N ☑	
8	HTF Heaters B1-8	0	O/C ✓	✓	Y ☐ N ☑	
9	South Steel Pro B1-9	0	O/C ✓	✓	Y ☐ N ☑	
10	Lube Oil B1-10	0	O/C ✓	✓	Y ☐ N ☑	
11	Turbine Hose Stations B1-11	0	O/C ✓	✓	Y ☐ N ☑	
12	Turbine Bearings B1-12	0	O/C ✓	✓	Y ☑ N ☐	

Valve Shed # 2 by Overflow

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels B2-1	160	✓ O/C	✓	Y ☑ N ☐	
2	Ullage Area B2-2	160	✓ O/C	✓	Y ☑ N ☐	
3	Ullage Structure B2-11	160	✓ O/C	✓	Y ☑ N ☐	
4	Rack 1 Middle Area B2-5	152	✓ O/C	✓	Y ☑ N ☐	
5	Overflow Tanks B2-9	150	✓ O/C	✓	Y ☑ N ☐	
6	Rack 1 South Area B2-6	160	✓ O/C	✓	Y ☑ N ☐	
7	Rack 1 West B2-7	160	✓ O/C	✓	Y ☑ N ☐	
8	Rack 1 North Area B2-4	160	✓ O/C	✓	Y ☑ N ☐	
9	Over flow AFFF B2-8	160	✓ O/C	✓	Y ☑ N ☐	
10	Expansion Vessel AFFF B2-3	160	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	152	✓ O/C	✓	Y ☐ N ☑	
2	Transformer Main	152	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	55	✓ O/C	✓	Y ☐ N ☑	

Valve Shed # 5 by Control Bldg 10

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room B4-5	152	✓ O/C	✓	Y ☑ N ☐	
2	Offices B4-3	152	✓ O/C	✓	Y ☑ N ☐	
3	Electrical Room B4-4	152	✓ O/C	✓	Y ☑ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☑ N ☐	✓ O/C	
2	Bearing 3	Y ☑ N ☐	✓ O/C	
3	Bearing 4	Y ☑ N ☐	✓ O/C	
4	Bearing 5	Y ☑ N ☐	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☑ N ☐	✓ O/C	
2	MP-200A	Y ☑ N ☐	✓ O/C	
3	MP-200B	Y ☑ N ☐	✓ O/C	
4	MP-200C	Y ☑ N ☐	✓ O/C	
5	MP-200D	Y ☑ N ☐	✓ O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	152	♡	Y ☑ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	✗ O/C ✓	✓	5/31/24	
2	Maintenance Shop Drive Way #8	✓ O/C	✓	5/31/24	
3	West Side Power Block by VS-3 # 9	✓ O/C	✓	5/31/24	
4	West Side Power Block by VS-1 # 10	O/C ✓	✗		Lolo
5	West Side Cooling Tower by VS-4 # 11	✓ O/C	✓	5/31/24	
6	West side Cooling Tower by VS-4 # 12	✓ O/C	✓	5/31/24	
7	N.W. Corner Chemical Storage #1	✓ O/C	✓	5/31/24	
8	N.E. Corner Chemical Storage # 2	✓ O/C	✓	5/31/24	
9	East Side W.T. by Multimedia Filters # 3	✓ O/C	✓	5/31/24	
10	East Side W.T. by Multimedia Filters # 5	✓ O/C	✓	5/31/24	
11	North Side Bldg 10 # 6	✓ O/C	✓	5/31/24	
12	Between MP-444's and Water Treat # 4	O/C ✓	✓	5/31/24	
13	West Side Power Block Valve Shed #1	✓ O/C	✓	5/31/24	

To Be Cycled First Saturday of Every Month

No.	System	Debris		Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☐		

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☐ Beta ☑

Date: 6/1/24

Operator: Anthony

*To be completed each time unit is operated.

Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: 162

Pump Suction Pressure: — Pump Discharge pressure: —

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 2231

Pump Suction Pressure: 20 Pump Discharge pressure: 150

op time: 2241 Total time running 10 min

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☐ Oil ☐ Mechanical ☐ Valves ☐ Water Jacket Heater ☐

Fuel level > 2/3: Yes ☐ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: Battery volt Crank 2: Battery Condition:

Starting hour meter: Start time:

Oil pressure start: Oil Pressure finish:

Pump Suction Pressure: Pump Discharge pressure:

Coolant temperature after 30 minutes running:

Stop time: Stop hour meter: Total time running:

Comments: Emergency only

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

: Fuel consumption 27 gal/ h approximately.

e is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 6/7/24 Operator Antonio P

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	160	✓ O/C	✓	Y ☑ N ☐	
2	SG Unit 2	B1-2	165	✓ O/C	✓	Y ☑ N ☐	
3	Reheaters	B1-3	160	✓ O/C	✓	Y ☑ N ☐	
4	Rack 2 West HTF	B1-4	160	✓ O/C	✓	Y ☑ N ☐	
5	Rack 2 East HTF	B1-5	160	✓ O/C	✓	Y ☑ N ☐	
6	North Steel Pro	B1-6	160	✓ O/C	✓	Y ☑ N ☐	
7	HTF Pumps	B1-7	160	✓ O/C	✓	Y ☑ N ☐	
8	HTF Heaters	B1-8	175	✓ O/C	✓	Y ☑ N ☐	
9	South Steel Pro	B1-9	165	✓ O/C	✓	Y ☑ N ☐	
10	Lube Oil	B1-10	45	O/C X	✓	Y ☑ N ☐	
11	Turbine Hose Stations	B1-11	45	O/C X	✓	Y ☑ N ☐	
12	Turbine Bearings	B1-12	0	O/C X	✓	Y ☑ N ☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	165	✓ O/C	✓	Y ☑ N ☐	
2	Ullage Area	B2-2	155	✓ O/C	✓	Y ☑ N ☐	
3	Ullage Structure	B2-11	160	✓ O/C	✓	Y ☑ N ☐	
4	Rack 1 Middle Area	B2-5	160	✓ O/C	✓	Y ☑ N ☐	
5	Overflow Tanks	B2-9	160	✓ O/C	✓	Y ☑ N ☐	
6	Rack 1 South Area	B2-6	160	✓ O/C	✓	Y ☑ N ☐	
7	Rack 1 West	B2-7	170	✓ O/C	✓	Y ☑ N ☐	
8	Rack 1 North Area	B2-4	160	✓ O/C	✓	Y ☑ N ☐	
9	Over flow AFFF	B2-8	155	O/C X	✓	Y ☑ N ☐	
10	Expansion Vessel AFFF	B2-3	0	O/C X		Y ☑ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	160	✓ O/C	✓	Y ☑ N ☐	
2	Transformer Main	180	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	50	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	160	✓ O/C	✓	Y ☑ N ☐	
2	Offices	B4-3	160	✓ O/C	✓	Y ☑ N ☐	
3	Electrical Room	B4-4	155	✓ O/C	✓	Y ☑ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☑ N ☐	✓ O/C	
2	Bearing 3	Y ☑ N ☐	✓ O/C	
3	Bearing 4	Y ☑ N ☐	✓ O/C	
4	Bearing 5	Y ☑ N ☐	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☑ N ☐	✓ O/C	
2	MP-200A	Y ☑ N ☐	✓ O/C	
3	MP-200B	Y ☑ N ☐	✓ O/C	
4	MP-200C	Y ☑ N ☐	✓ O/C	
5	MP-200D	Y ☑ N ☐	✓ O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	195	✓	Y ☑ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C X			
2	Maintenance Shop Drive Way #8	✓ O/C			
3	West Side Power Block by VS-3 # 9	✓ O/C			
4	West Side Power Block by VS-1 # 10	✓ O/C			
5	West Side Cooling Tower by VS-4 # 11	✓ O/C			
6	West side Cooling Tower by VS-4 # 12	✓ O/C			
7	N.W. Corner Chemical Storage #1	✓ O/C			
8	N.E. Corner Chemical Storage # 2	✓ O/C			
9	East Side W.T. by Multimedia Filters # 3	✓ O/C			
10	East Side W.T. by Multimedia Filters # 5	✓ O/C			
11	North Side Bldg 10 # 6	✓ O/C			
12	Between MP-444's and Water Treat # 4	O/C X			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris		Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☑		

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐	Date: 6/9/24
Operator: Anthony	**To be completed each time unit is operated. The NFPA Form AES 5.1must be completed weekly.**
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: 162

Pump Suction Pressure: — Pump Discharge pressure: —

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 2228

Pump Suction Pressure: 20 Pump Discharge pressure: 150

Stop time: 2229 Total time running 10 min

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☐ No ☑ Monthly Fuel Consumption: —

Battery volt Crank 1: 26 Battery volt Crank 2: 26	Battery Condition: Good
Starting hour meter: 131.5	Start time: 2242
Oil pressure start:	Oil Pressure finish: 39

Pump Suction Pressure: 20 Pump Discharge pressure: 150

Coolant temperature after 30 minutes running: 201 after 10 min

Stop time: 2252 Stop hour meter: 131.6 Total run time: 10 min January 1st hour meter: Total YTD hours:

Comments:

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

This new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable ann ual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 6/15/24 Operator Antonio

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	160	✓O/C	✓	Y ☑ N ☐	
2	SG Unit 2	B1-2	160	✓O/C	✓	Y ☑ N ☐	
3	Reheaters	B1-3	160	✓O/C	✓	Y ☑ N ☐	
4	Rack 2 West HTF	B1-4	160	✓O/C	✓	Y ☑ N ☐	
5	Rack 2 East HTF	B1-5	160	✓O/C	✓	Y ☑ N ☐	
6	North Steel Pro	B1-6	160	✓O/C	✓	Y ☑ N ☐	
7	HTF Pumps	B1-7	160	✓O/C	✓	Y ☑ N ☐	
8	HTF Heaters	B1-8	160	✓O/C	✓	Y ☑ N ☐	
9	South Steel Pro	B1-9	160	✓O/C	✓	Y ☑ N ☐	
10	Lube Oil	B1-10	0	O/C X	✓	Y ☑ N ☐	
11	Turbine Hose Stations	B1-11	0	O/C X	✓	Y ☑ N ☐	
12	Turbine Bearings	B1-12	0	O/C X	✓	Y ☑ N ☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	165	✓O/C	✓	Y ☑ N ☐	
2	Ullage Area	B2-2	165	✓O/C	✓	Y ☑ N ☐	
3	Ullage Structure	B2-11	160	✓O/C	✓	Y ☑ N ☐	
4	Rack 1 Middle Area	B2-5	160	✓O/C	✓	Y ☑ N ☐	
5	Overflow Tanks	B2-9	160	✓O/C	✓	Y ☑ N ☐	
6	Rack 1 South Area	B2-6	160	✓O/C	✓	Y ☑ N ☐	
7	Rack 1 West	B2-7	160	✓O/C	✓	Y ☑ N ☐	
8	Rack 1 North Area	B2-4	160	✓O/C	✓	Y ☑ N ☐	
9	Over flow AFFF	B2-8	0	O/C X	✓	Y ☑ N ☐	
10	Expansion Vessel AFFF	B2-3	0	O/C X	✓	Y ☑ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	160	✓O/C	✓	Y ☑ N ☐	
2	Transformer Main	160	✓O/C	✓	Y ☑ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	50	✓O/C	✓	Y ☑ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	170	✓O/C	✓	Y ☑ N ☐	
2	Offices	B4-3	165	✓O/C	✓	Y ☑ N ☐	
3	Electrical Room	B4-4	165	✓O/C	✓	Y ☑ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☑ N ☐	✓O/C	
2	Bearing 3	Y ☑ N ☐	✓O/C	
3	Bearing 4	Y ☑ N ☐	✓O/C	
4	Bearing 5	Y ☑ N ☐	✓O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☑ N ☐	✓O/C	
2	MP-200A	Y ☑ N ☐	✓O/C	
3	MP-200B	Y ☑ N ☐	✓O/C	
4	MP-200C	Y ☑ N ☐	✓O/C	
5	MP-200D	Y ☑ N ☐	✓O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	157	✓	Y ☑ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C X			
2	Maintenance Shop Drive Way #8	✓O/C			
3	West Side Power Block by VS-3 # 9	✓O/C			
4	West Side Power Block by VS-1 # 10	✓O/C			
5	West Side Cooling Tower by VS-4 # 11	✓O/C			
6	West side Cooling Tower by VS-4 # 12	O/C X			
7	N.W. Corner Chemical Storage #1	✓O/C			
8	N.E. Corner Chemical Storage # 2	✓O/C			
9	East Side W.T. by Multimedia Filters # 3	✓O/C			
10	East Side W.T. by Multimedia Filters # 5	✓O/C			
11	North Side Bldg 10 # 6	✓O/C			
12	Between MP-444's and Water Treat # 4	O/C X			
13	West Side Power Block Valve Shed #1	O/C			Beta only

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☐	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐ | Date: 6/16/24

Operator: Anthony Vasquez | **To be completed each time unit is operated. The NFPA Form AES 5.1must be completed weekly.**

Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: 162

Pump Suction Pressure: — Pump Discharge pressure: —

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 2322

Pump Suction Pressure: 20 Pump Discharge pressure: 150

Stop time: 2332 Total time running 10 min

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☐ No ☑ Monthly Fuel Consumption: —

Battery volt Crank 1: 26 Battery volt Crank 2: 26 | Battery Condition: Good

Starting hour meter: 131.6 | Start time: 2336

Oil pressure start: 1 | Oil Pressure finish: 38

Pump Suction Pressure: 20 Pump Discharge pressure: 150

Coolant temperature after 30 minutes running: 203 after 10 min

Stop time: 7246 Stop hour meter: 131.7 Total run time: 10 min January 1st hour meter: Total YTD hours:

Comments:

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

This new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable ann ual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 6/22/24 Operator Roy

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	154	✓O/C	✓	Y☐ N☑	
2	SG Unit 2	B1-2	160	✓O/C	✓	Y☐ N☑	
3	Reheaters	B1-3	160	✓O/C	✓	Y☐ N☑	
4	Rack 2 West HTF	B1-4	154	✓O/C	✓	Y☐ N☑	
5	Rack 2 East HTF	B1-5	160	✓O/C	✓	Y☐ N☑	
6	North Steel Pro	B1-6	160	✓O/C	✓	Y☐ N☑	
7	HTF Pumps	B1-7	154	✓O/C	✓	Y☑ N☐	
8	HTF Heaters	B1-8	160	✓O/C	✓	Y☐ N☑	
9	South Steel Pro	B1-9	160	✓O/C	✓	Y☐ N☑	
10	Lube Oil	B1-10	0	O/C✓	✓	Y☑ N☐	Loto
11	Turbine Hose Stations	B1-11	96	O/C✓	✓	Y☐ N☑	
12	Turbine Bearings	B1-12	100	O/C✓	✓	Y☐ N☑	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	165	✓O/C	✓	Y☐ N☑	
2	Ullage Area	B2-2	155	✓O/C	✓	Y☐ N☑	
3	Ullage Structure	B2-11	160	✓O/C	✓	Y☐ N☑	
4	Rack 1 Middle Area	B2-5	160	✓O/C	✓	Y☐ N☑	
5	Overflow Tanks	B2-9	160	✓O/C	✓	Y☐ N☑	
6	Rack 1 South Area	B2-6	160	✓O/C	✓	Y☐ N☑	
7	Rack 1 West	B2-7	170	✓O/C	✓	Y☐ N☑	
8	Rack 1 North Area	B2-4	160	✓O/C	✓	Y☐ N☑	
9	Over flow AFFF	B2-8	0	O/C✓	✓	Y☐ N☑	
10	Expansion Vessel AFFF	B2-3	0	O/C✓	✓	Y☐ N☑	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	152	✓O/C	✓	Y☑ N☐	
2	Transformer Main	152	✓O/C	✓	Y☐ N☑	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Cooling Tower West Side	150	✓O/C	✓	Y☐ N☑	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	170	✓O/C	✓	Y☑ N☐	
2	Offices	B4-3	165	✓O/C	✓	Y☑ N☐	
3	Electrical Room	B4-4	170	✓O/C	✓	Y☑ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☑ N☐	✓O/C	
2	Bearing 3	Y☐ N☐	✓O/C	
3	Bearing 4	Y☑ N☐	✓O/C	
4	Bearing 5	Y☑ N☐	✓O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☐ N☑	O/C✓	
2	MP-200A	Y☐ N☑	O/C✓	
3	MP-200B	Y☐ N☑	O/C✓	
4	MP-200C	Y☐ N☑	O/C✓	
5	MP-200D	Y☐ N☑	O/C✓	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	190	O	Y☐ N☑	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C✓			
2	Maintenance Shop Drive Way #8	✓O/C			
3	West Side Power Block by VS-3 # 9	✓O/C			
4	West Side Power Block by VS-1 # 10	✓O/C			
5	West Side Cooling Tower by VS-4 # 11	✓O/C			
6	West side Cooling Tower by VS-4 # 12	✓O/C			
7	N.W. Corner Chemical Storage #1	✓O/C			
8	N.E. Corner Chemical Storage # 2	✓O/C			
9	East Side W.T. by Multimedia Filters # 3	✓O/C			
10	East Side W.T. by Multimedia Filters # 5	✓O/C			
11	North Side Bldg 10 # 6	✓O/C			
12	Between MP-444's and Water Treat # 4	O/C✓			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☑	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐

Date: 6/21/24

Operator: Jose Garcia

To be completed each time unit is operated.
The NFPA Form AES 5.1must be completed weekly.

Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155 psi

Discharge Pressure: 165

Pump Suction Pressure: NA Pump Discharge pressure: 165

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: ~ 2042

Pump Suction Pressure: 15 psi Pump Discharge pressure: 150

Stop time: 2052 Total time running 10 min

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☐ Oil ☐ Mechanical ☐ Valves ☐ Water Jacket Heater ☐

Fuel level > 2/3: Yes ☐ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: Battery volt Crank 2: Battery Condition:

Starting hour meter: Start time:

Oil pressure start: Oil Pressure finish:

Pump Suction Pressure: Pump Discharge pressure:

Coolant temperature after 30 minutes running:

Stop time: Stop hour meter: Total run time: January 1st hour meter: Total YTD hours:

Comments:

Not Running Diesel Pump until Futher Notice

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

This new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 6-29-24 Operator Jay

Valve Shed # 1 by Condenser

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1 B1-1	135	✓ O/C	✓	Y☐ N☑	
2	SG Unit 2 B1-2	160	✓ O/C	✓	Y☐ N☑	
3	Reheaters B1-3	160	✓ O/C	✓	Y☐ N☑	
4	Rack 2 West HTF B1-4	155	✓ O/C	✓	Y☐ N☑	
5	Rack 2 East HTF B1-5	160	✓ O/C	✓	Y☐ N☑	
6	North Steel Pro B1-6	160	✓ O/C	✓	Y☐ N☑	
7	HTF Pumps B1-7	160	✓ O/C	✓	Y☐ N☑	
8	HTF Heaters B1-8	160	✓ O/C	✓	Y☐ N☑	
9	South Steel Pro B1-9	160	✓ O/C	✓	Y☐ N☑	
10	Lube Oil B1-10	155	✓ O/C	✓	Y☐ N☑	
11	Turbine Hose Stations B1-11	160	✓ O/C	✓	Y☐ N☑	
12	Turbine Bearings B1-12	155	✓ O/C	✓	Y☑ N☐	

Valve Shed # 2 by Overflow

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels B2-1	160	✓ O/C	✓	Y☐ N☑	
2	Ullage Area B2-2	155	✓ O/C	✓	Y☐ N☑	
3	Ullage Structure B2-11	155	✓ O/C	✓	Y☐ N☑	
4	Rack 1 Middle Area B2-5	155	✓ O/C	✓	Y☐ N☑	
5	Overflow Tanks B2-9	155	✓ O/C	✓	Y☐ N☑	
6	Rack 1 South Area B2-6	155	✓ O/C	✓	Y☐ N☑	
7	Rack 1 West B2-7	165	✓ O/C	✓	Y☐ N☑	
8	Rack 1 North Area B2-4	160	✓ O/C	✓	Y☐ N☑	
9	Over flow AFFF B2-8	0	O/C ✓	✓	Y☐ N☑	
10	Expansion Vessel AFFF B2-3	0	O/C ✓	✓	Y☐ N☑	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	155	✓ O/C	✓	Y☑ N☐	
2	Transformer Main	170	✓ O/C	✓	Y☐ N☑	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	1140	✓ O/C	X	Y☑ N☐	

Valve Shed # 5 by Control Bldg 10

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room B4-5	155	✓ O/C	✓	Y☑ N☐	
2	Offices B4-3	155	✓ O/C	✓	Y☑ N☐	
3	Electrical Room B4-4	155	✓ O/C		Y☑ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☑ N☐	✓ O/C	
2	Bearing 3	Y☑ N☐	✓ O/C	
3	Bearing 4	Y☑ N☐	✓ O/C	
4	Bearing 5	Y☑ N☐	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☐ N☑	✓ O/C	
2	MP-200A	Y☐ N☑	✓ O/C	
3	MP-200B	Y☐ N☑	✓ O/C	
4	MP-200C	Y☐ N☑	✓ O/C	
5	MP-200D	Y☐ N☑	✓ O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	190	✓	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C			
2	Maintenance Shop Drive Way #8	O/C			
3	West Side Power Block by VS-3 # 9	✓ O/C			
4	West Side Power Block by VS-1 # 10	✓ O/C			
5	West Side Cooling Tower by VS-4 # 11	✓ O/C			
6	West side Cooling Tower by VS-4 # 12	✓ O/C			
7	N.W. Corner Chemical Storage #1	✓ O/C			
8	N.E. Corner Chemical Storage # 2	✓ O/C			
9	East Side W.T. by Multimedia Filters # 3	✓ O/C			
10	East Side W.T. by Multimedia Filters # 5	O/C			
11	North Side Bldg 10 # 6	O/C			
12	Between MP-444's and Water Treat # 4	O/C ✓			
13	West Side Power Block Valve Shed #1	✓ O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☐	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐	Date: 06/30/24
Operator: Jose Garcia	**To be completed each time unit is operated.** **The NFPA Form AES 5.1must be completed weekly.**
Reason for running pumps: Weekly test ☐ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155 psi

Discharge Pressure: 165

Pump Suction Pressure: N/A Pump Discharge pressure: 165

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 2339

Pump Suction Pressure: 15psi Pump Discharge pressure: 150

Stop time: 2349 Total time running 10min

Comments: Small water leak on the suction Button Side

Diesel Pump

Pre-start Inspection: Coolant ☐ Oil ☐ Mechanical ☐ Valves ☐ Water Jacket Heater ☐

Fuel level > 2/3: Yes ☐ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: Battery volt Crank 2:	Battery Condition:
Starting hour meter:	Start time:
Oil pressure start:	Oil Pressure finish:
Pump Suction Pressure:	Pump Discharge pressure:

Coolant temperature after 30 minutes running:

Stop time: Stop hour meter: Total run time: January 1st hour meter: Total YTD hours:

Comments: Not Running Diesel Pump until Further Notice

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

This new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable ann ual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☑ Date: 6/7/24 Operator Taylor

Valve Shed # 1 by Condenser

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1 B1-1	50	✓ O/C	✓	Y ☑ N ☐	
2	SG Unit 2 B1-2	50	✓ O/C	✓	Y ☑ N ☐	
3	Reheaters B1-3	50	✓ O/C	✓	Y ☑ N ☐	
4	Rack 2 West HTF B1-4	50	✓ O/C	✓	Y ☑ N ☐	
5	Rack 2 East HTF B1-5	50	✓ O/C	✓	Y ☑ N ☐	
6	North Steel Pro B1-6	50	✓ O/C	✓	Y ☑ N ☐	
7	HTF Pumps B1-7	50	✓ O/C	✓	Y ☑ N ☐	
8	HTF Heaters B1-8	50	✓ O/C	✓	Y ☑ N ☐	
9	South Steel Pro B1-9	50	✓ O/C	✓	Y ☑ N ☐	
10	Lube Oil B1-10	50	✓ O/C	✓	Y ☑ N ☐	
11	Turbine Hose Stations B1-11	50	✓ O/C	✓	Y ☑ N ☐	
12	Turbine Bearings B1-12	50	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 2 by Overflow

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels B2-1	150	✓ O/C	✓	Y ☑ N ☐	
2	Ullage Area B2-2	150	✓ O/C	✓	Y ☑ N ☐	
3	Ullage Structure B2-11	150	✓ O/C	✓	Y ☑ N ☐	
4	Rack 1 Middle Area B2-5	150	✓ O/C	✓	Y ☑ N ☐	
5	Overflow Tanks B2-9	150	✓ O/C	✓	Y ☑ N ☐	
6	Rack 1 South Area B2-6	150	✓ O/C	✓	Y ☑ N ☐	
7	Rack 1 West B2-7	150	✓ O/C	✓	Y ☑ N ☐	
8	Rack 1 North Area B2-4	150	✓ O/C	✓	Y ☑ N ☐	
9	Over flow AFFF B2-8	150	✓ O/C	✓	Y ☑ N ☐	
10	Expansion Vessel AFFF B2-3	150	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	150	✓ O/C	✓	Y ☐ N ☑	
2	Transformer Main	150	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	60	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room B4-5		✓ O/C	✓	Y ☑ N ☐	
2	Offices B4-3		✓ O/C	✓	Y ☑ N ☐	
3	Electrical Room B4-4		✓ O/C	✓	Y ☐ N ☑	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☑ N ☐	✓ O/C	
2	Bearing 3	Y ☑ N ☐	✓ O/C	
3	Bearing 4	Y ☑ N ☐	✓ O/C	
4	Bearing 5	Y ☑ N ☐	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☑ N ☐	✓ O/C	
2	MP-200A	Y ☑ N ☐	✓ O/C	
3	MP-200B	Y ☑ N ☐	✓ O/C	
4	MP-200C	Y ☑ N ☐	✓ O/C	
5	MP-200D	Y ☑ N ☐	✓ O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge		O	Y ☑ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C ✓			
2	Maintenance Shop Drive Way #8	✓ O/C			
3	West Side Power Block by VS-3 # 9	✓ O/C			
4	West Side Power Block by VS-1 # 10	✓ O/C			
5	West Side Cooling Tower by VS-4 # 11	✓ O/C			
6	West side Cooling Tower by VS-4 # 12	✓ O/C			
7	N.W. Corner Chemical Storage #1	✓ O/C			
8	N.E. Corner Chemical Storage # 2	✓ O/C			
9	East Side W.T. by Multimedia Filters # 3	✓ O/C			
10	East Side W.T. by Multimedia Filters # 5	✓ O/C			
11	North Side Bldg 10 # 6	✓ O/C			Signe is on the Ground
12	Between MP-444's and Water Treat # 4	✓ O/C			
13	West Side Power Block Valve Shed #1	✓ O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris		Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☑		

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☐ Beta ☑	Date: 6/9/24
Operator: Anthony Vasquez	**To be completed each time unit is operated. The NFPA Form AES 5.1must be completed weekly.**
Reason for running pumps: Weekly test ☐ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: 162

Pump Suction Pressure: — Pump Discharge pressure: —

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 2340

Pump Suction Pressure: 20 Pump Discharge pressure: 150

Stop time: 2350 Total time running 10 min

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☐ Oil ☐ Mechanical ☐ Valves ☐ Water Jacket Heater ☐

Fuel level > 2/3: Yes ☐ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: Battery volt Crank 2:	Battery Condition:
Starting hour meter:	Start time:
Oil pressure start:	Oil Pressure finish:
Pump Suction Pressure:	Pump Discharge pressure:

Coolant temperature after 30 minutes running:

Stop time: Stop hour meter: Total run time: January 1st hour meter: Total YTD hours:

Comments: EOPS only

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

This new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☑ Date: 6/15/24 Operator TAYLOR

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	160	✓ O/C	✓	Y ☐ N ☑	
2	SG Unit 2	B1-2	170	✓ O/C	✓	Y ☐ N ☑	
3	Reheaters	B1-3	140	✓ O/C	✓	Y ☐ N ☑	
4	Rack 2 West HTF	B1-4	140	✓ O/C	✓	Y ☐ N ☑	
5	Rack 2 East HTF	B1-5	140	✓ O/C	✓	Y ☐ N ☑	
6	North Steel Pro	B1-6	160	✓ O/C	✓	Y ☐ N ☑	
7	HTF Pumps	B1-7	160	✓ O/C	✓	Y ☐ N ☑	
8	HTF Heaters	B1-8	160	✓ O/C	✓	Y ☐ N ☑	
9	South Steel Pro	B1-9	160	✓ O/C	✓	Y ☐ N ☑	
10	Lube Oil	B1-10	45	O/C ✓	✓	Y ☐ N ☑	
11	Turbine Hose Stations	B1-11	45	✓ O/C	✓	Y ☐ N ☑	
12	Turbine Bearings	B1-12	45	✓ O/C	✓	Y ☐ N ☑	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	200	✓ O/C	✓	Y ☑ N ☐	
2	Ullage Area	B2-2	190	✓ O/C	✓	Y ☑ N ☐	
3	Ullage Structure	B2-11	190	✓ O/C	✓	Y ☑ N ☐	
4	Rack 1 Middle Area	B2-5	160	✓ O/C	✓	Y ☑ N ☐	
5	Overflow Tanks	B2-9	200	✓ O/C	✓	Y ☑ N ☐	
6	Rack 1 South Area	B2-6	180	✓ O/C	✓	Y ☑ N ☐	
7	Rack 1 West	B2-7	190	✓ O/C	✓	Y ☑ N ☐	
8	Rack 1 North Area	B2-4	170	✓ O/C	✓	Y ☑ N ☐	
9	Over flow AFFF	B2-8	170	✓ O/C	✓	Y ☑ N ☐	
10	Expansion Vessel AFFF	B2-3	170	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	160	✓ O/C	✓	Y ☑ N ☐	
2	Transformer Main	190	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	70	✓ O/C	✓	Y ☐ N ☑	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	20	✓ O/C	✓	Y ☑ N ☐	
2	Offices	B4-3	160	✓ O/C	✓	Y ☑ N ☐	
3	Electrical Room	B4-4	160	✓ O/C	✓	Y ☑ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☑ N ☐	✓ O/C	
2	Bearing 3	Y ☑ N ☐	✓ O/C	
3	Bearing 4	Y ☑ N ☐	✓ O/C	
4	Bearing 5	Y ☑ N ☐	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☑ N ☐	✓ O/C	
2	MP-200A	Y ☑ N ☐	✓ O/C	
3	MP-200B	Y ☑ N ☐	✓ O/C	
4	MP-200C	Y ☑ N ☐	✓ O/C	
5	MP-200D	Y ☑ N ☐	✓ O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	160	✓	Y ☑ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C ✓			
2	Maintenance Shop Drive Way #8	✓ O/C			
3	West Side Power Block by VS-3 # 9	✓ O/C			
4	West Side Power Block by VS-1 # 10	✓ O/C			
5	West Side Cooling Tower by VS-4 # 11	✓ O/C			
6	West side Cooling Tower by VS-4 # 12	✓ O/C			
7	N.W. Corner Chemical Storage #1	✓ O/C			
8	N.E. Corner Chemical Storage # 2	✓ O/C			
9	East Side W.T. by Multimedia Filters # 3	✓ O/C			
10	East Side W.T. by Multimedia Filters # 5	✓ O/C			
11	North Side Bldg 10 # 6	✓ O/C			
12	Between MP-444's and Water Treat # 4	O/C ✓			
13	West Side Power Block Valve Shed #1	✓ O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☑	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☐ Beta ☑	Date: 6/17/24
Operator: Anthony Vasquez	**To be completed each time unit is operated. The NFPA Form AES 5.1must be completed weekly.**
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: 162

Pump Suction Pressure: — Pump Discharge pressure: —

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 0030

Pump Suction Pressure: 20 Pump Discharge pressure: 150

Stop time: 0040 Total time running 10 min

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☐ Oil ☐ Mechanical ☐ Valves ☐ Water Jacket Heater ☐

Fuel level > 2/3: Yes ☐ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: Battery volt Crank 2:	Battery Condition:
Starting hour meter:	Start time:
Oil pressure start:	Oil Pressure finish:
Pump Suction Pressure:	Pump Discharge pressure:

Coolant temperature after 30 minutes running:

Stop time: Stop hour meter: Total run time: January 1st hour meter: Total YTD hours:

Comments: E ops only

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

This new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☑ Date: 10/22/24 Operator Erick.

Valve Shed # 1 by Condenser

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1 B1-1	160	✓O/C	✓	Y☑ N☐	
2	SG Unit 2 B1-2	155	✓O/C	✓	Y☑ N☐	
3	Reheaters B1-3	155	✓O/C	✓	Y☑ N☐	
4	Rack 2 West HTF B1-4	160	✓O/C	✓	Y☑ N☐	
5	Rack 2 East HTF B1-5	155	✓O/C	✓	Y☑ N☐	
6	North Steel Pro B1-6	155	✓O/C	✓	Y☑ N☐	
7	HTF Pumps B1-7	155	✓O/C	✓	Y☑ N☐	
8	HTF Heaters B1-8	155	✓O/C	✓	Y☑ N☐	
9	South Steel Pro B1-9	155	✓O/C	✓	Y☑ N☐	
10	Lube Oil B1-10	155	✓O/C	✓	Y☑ N☐	
11	Turbine Hose Stations B1-11	155	✓O/C	✓	Y☐ N☑	
12	Turbine Bearings B1-12	155	✓O/C	✓	Y☑ N☐	

Valve Shed # 2 by Overflow

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels B2-1	160	✓O/C	✓	Y☑ N☐	
2	Ullage Area B2-2	160	✓O/C	✓	Y☑ N☐	
3	Ullage Structure B2-11	156	✓O/C	✓	Y☑ N☐	
4	Rack 1 Middle Area B2-5	160	✓O/C	✓	Y☑ N☐	
5	Overflow Tanks B2-9	155	✓O/C	✓	Y☑ N☐	
6	Rack 1 South Area B2-6	155	✓O/C	✓	Y☑ N☐	
7	Rack 1 West B2-7	155	✓O/C	✓	Y☑ N☐	
8	Rack 1 North Area B2-4	155	✓O/C	✓	Y☑ N☐	
9	Over flow AFFF B2-8	160	✓O/C	✓	Y☑ N☐	
10	Expansion Vessel AFFF B2-3	160	✓O/C	✓	Y☑ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	155	✓O/C	✓	Y☑ N☐	
2	Transformer Main	155	✓O/C	✓	Y☑ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	157	O/C		Y☐ N☐	

Valve Shed # 5 by Control Bldg 10

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room B4-5	155	✓O/C	✓	Y☑ N☐	
2	Offices B4-3	155	✓O/C	✓	Y☑ N☐	
3	Electrical Room B4-4	160	✓O/C	✓	Y☐ N☑	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☐ N☑	✓O/C	
2	Bearing 3	Y☐ N☑	✓O/C	
3	Bearing 4	Y☐ N☑	✓O/C	
4	Bearing 5	Y☐ N☑	✓O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☐ N☑	✓O/C	
2	MP-200A	Y☐ N☑	✓O/C	
3	MP-200B	Y☐ N☑	✓O/C	
4	MP-200C	Y☐ N☑	✓O/C	
5	MP-200D	Y☐ N☑	✓O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	182	O	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C✓			
2	Maintenance Shop Drive Way #8	✓O/C			
3	West Side Power Block by VS-3 # 9	✓O/C			
4	West Side Power Block by VS-1 # 10	✓O/C			
5	West Side Cooling Tower by VS-4 # 11	✓O/C			
6	West side Cooling Tower by VS-4 # 12	✓O/C			
7	N.W. Corner Chemical Storage #1	✓O/C			
8	N.E. Corner Chemical Storage # 2	✓O/C			
9	East Side W.T. by Multimedia Filters # 3	✓O/C			
10	East Side W.T. by Multimedia Filters # 5	✓O/C			
11	North Side Bldg 10 # 6	✓O/C			
12	Between MP-444's and Water Treat # 4	O/C✓			
13	West Side Power Block Valve Shed #1	✓O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris		Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☑		

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☐ Beta ☑	Date: 6/22/24
Operator: Diego Rodriguez	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155psi

Discharge Pressure: 165 psi

Pump Suction Pressure: N/A Pump Discharge pressure: 165 psi

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145 psi

Start time: 2059

Pump Suction Pressure: 10 psi Pump Discharge pressure: 150 psi

p time: 2109 Total time running 10 mins.

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☐ Oil ☐ Mechanical ☐ Valves ☐ Water Jacket Heater ☐

Fuel level > 2/3: Yes ☐ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: Battery volt Crank 2:	Battery Condition:
Starting hour meter:	Start time:
Oil pressure start:	Oil Pressure finish:

Pump Suction Pressure: Pump Discharge pressure:

Coolant temperature after 30 minutes running:

Stop time: Stop hour meter: Total time running:

Comments:

NOT Running Till Further NOTICE

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

e is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☑ Date: 6/29/24 Operator Erick

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	160	✓O/C	✓	Y☑ N☐	
2	SG Unit 2	B1-2	155	✓O/C	✓	Y☑ N☐	
3	Reheaters	B1-3	155	✓O/C	✓	Y☑ N☐	
4	Rack 2 West HTF	B1-4	160	✓O/C	✓	Y☑ N☐	
5	Rack 2 East HTF	B1-5	155	✓O/C	✓	Y☑ N☐	
6	North Steel Pro	B1-6	155	✓O/C	✓	Y☑ N☐	
7	HTF Pumps	B1-7	155	✓O/C	✓	Y☑ N☐	
8	HTF Heaters	B1-8	155	✓O/C	✓	Y☑ N☐	
9	South Steel Pro	B1-9	160	✓O/C	✓	Y☑ N☐	
10	Lube Oil	B1-10	155	✓O/C	✓	Y☑ N☐	
11	Turbine Hose Stations	B1-11	155	✓O/C	X	Y☐ N☑	
12	Turbine Bearings	B1-12	155	✓O/C	✓	Y☑ N☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	160	✓O/C	✓	Y☑ N☐	
2	Ullage Area	B2-2	160	✓O/C	✓	Y☑ N☐	
3	Ullage Structure	B2-11	160	✓O/C	✓	Y☑ N☐	
4	Rack 1 Middle Area	B2-5	155	✓O/C	✓	Y☑ N☐	
5	Overflow Tanks	B2-9	155	✓O/C	✓	Y☑ N☐	
6	Rack 1 South Area	B2-6	160	✓O/C	✓	Y☑ N☐	
7	Rack 1 West	B2-7	160	✓O/C	✓	Y☑ N☐	
8	Rack 1 North Area	B2-4	155	✓O/C	✓	Y☑ N☐	
9	Over flow AFFF	B2-8	160	✓O/C	✓	Y☑ N☐	
10	Expansion Vessel AFFF	B2-3	160	✓O/C	✓	Y☑ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	155	✓O/C	✓	Y☑ N☐	
2	Transformer Main	155	✓O/C	✓	Y☑ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	160	✓O/C	✓	Y☑ N☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	155	✓O/C	✓	Y☑ N☐	
2	Offices	B4-3	153	✓O/C	✓	Y☑ N☐	
3	Electrical Room	B4-4	160	✓O/C	✓	Y☐ N☑	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☐ N☑	✓O/C	
2	Bearing 3	Y☐ N☑	✓O/C	
3	Bearing 4	Y☐ N☑	✓O/C	
4	Bearing 5	Y☐ N☑	✓O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☐ N☑	✓O/C	
2	MP-200A	Y☐ N☑	✓O/C	
3	MP-200B	Y☐ N☑	✓O/C	
4	MP-200C	Y☐ N☑	✓O/C	
5	MP-200D	Y☐ N☑	✓O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	180	O	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	✓O/C			
2	Maintenance Shop Drive Way #8	O/C✓			
3	West Side Power Block by VS-3 # 9	✓O/C			
4	West Side Power Block by VS-1 # 10	✓O/C			
5	West Side Cooling Tower by VS-4 # 11	✓O/C			
6	West side Cooling Tower by VS-4 # 12	✓O/C			
7	N.W. Corner Chemical Storage #1	✓O/C			
8	N.E. Corner Chemical Storage # 2	✓O/C			
9	East Side W.T. by Multimedia Filters # 3	✓O/C			
10	East Side W.T. by Multimedia Filters # 5	✓O/C			
11	North Side Bldg 10 # 6	✓O/C			
12	Between MP-444's and Water Treat # 4	O/C✓			
13	West Side Power Block Valve Shed #1 13	✓O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Acage
1	Transformer Yard Refuse Check	Y☐ N☑	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☐ Beta ☑

Date: 6/29/24

Operator: Diego Rodriguez

*To be completed each time unit is operated.

Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155 psi

Discharge Pressure: 166 psi

Pump Suction Pressure: N/A Pump Discharge pressure: 166 psi

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145 psi

Start time: 2337

Pump Suction Pressure: 10 psi Pump Discharge pressure: 150 psi

Stop time: 2347 Total time running 10 Mins.

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☐ Oil ☐ Mechanical ☐ Valves ☐ Water Jacket Heater ☐

Fuel level > 2/3: Yes ☐ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: Battery volt Crank 2: Battery Condition:

Starting hour meter: Start time:

Oil pressure start: Oil Pressure finish:

Pump Suction Pressure: Pump Discharge pressure:

Coolant temperature after 30 minutes running:

Stop time: Stop hour meter: Total time running:

Comments:
DO NOT Run Till Further Notice.

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐	Date: 7/27/24
Operator:	**To be completed each time unit is operated.** **The NFPA Form AES 5.1must be completed weekly.**

Reason for running pumps: Weekly test ☐ Maintenance ☐ Emergency ☐

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☐ Mechanical ☐ Valves ☐

Check the jockey pump on pressure drop. Start up pressure:

Discharge Pressure:

Pump Suction Pressure: Pump Discharge pressure:

Comments: Did not conduct Testing no operator

Electric Pump

Pre-start Inspection: Electrical Feed ☐ Mechanical ☐ Valves ☐

Start the pump on pressure drop. Start up pressure:

Start time:

Pump Suction Pressure: Pump Discharge pressure:

Stop time: Total time running

Comments: Did not conduct testing no operator

Diesel Pump

Pre-start Inspection: Coolant ☐ Oil ☐ Mechanical ☐ Valves ☐ Water Jacket Heater ☐

Fuel level > 2/3: Yes ☐ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: Battery volt Crank 2:	Battery Condition:
Starting hour meter:	Start time:
Oil pressure start:	Oil Pressure finish:

Pump Suction Pressure: Pump Discharge pressure:

Coolant temperature after 30 minutes running:

Stop time: Stop hour meter: Total run time: January 1st hour meter: Total YTD hours:

Comments: Did not conduct testing no operator

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

This new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐	Date: 7-7-24
Operator: Roy .W	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☐ Mechanical ☐ Valves ☐	
Check the jockey pump on pressure drop. Start up pressure: 155	
Discharge Pressure: 162	
Pump Suction Pressure:	Pump Discharge pressure: 162
Comments:	

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑	
Start the pump on pressure drop. Start up pressure:	
Start time: 2115	
Pump Suction Pressure: 12	Pump Discharge pressure: 150
Stop time: 2125	Total time running 10 min
Comments:	

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑	
Fuel level > 2/3: Yes ☑ No ☐	Monthly Fuel Consumption:
Battery volt Crank 1: 27.3 Battery volt Crank 2: 27.2	Battery Condition: Good
Starting hour meter: 131.7	Start time: 2128
Oil pressure start: 57	Oil Pressure finish: 38
Pump Suction Pressure: 20	Pump Discharge pressure: 155
Coolant temperature after 30 minutes running: 207	
Stop time: 2138 Stop hour meter: 131.8	Total time running: 10 min
Comments: Charge air cooler, temp out of range / East packing spraying water	
Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).	

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

ere is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 07/07/24 Operator Joseph Garcia

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	160	✓ O/C	✓	Y ☑ N ☐	
2	SG Unit 2	B1-2	160	✓ O/C	✓	Y ☑ N ☐	
3	Reheaters	B1-3	160	✓ O/C	✓	Y ☑ N ☐	
4	Rack 2 West HTF	B1-4	160	✓ O/C	✓	Y ☑ N ☐	
5	Rack 2 East HTF	B1-5	160	✓ O/C	✓	Y ☑ N ☐	
6	North Steel Pro	B1-6	160	✓ O/C	✓	Y ☑ N ☐	
7	HTF Pumps	B1-7	160	✓ O/C	✓	Y ☑ N ☐	
8	HTF Heaters	B1-8	160	✓ O/C	✓	Y ☑ N ☐	
9	South Steel Pro	B1-9	160	✓ O/C	✓	Y ☑ N ☐	
10	Lube Oil	B1-10	160	✓ O/C	✓	Y ☑ N ☐	
11	Turbine Hose Stations	B1-11	160	✓ O/C	✓	Y ☑ N ☐	
12	Turbine Bearings	B1-12	160	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	160	✓ O/C	✓	Y ☑ N ☐	
2	Ullage Area	B2-2	160	✓ O/C	✓	Y ☑ N ☐	
3	Ullage Structure	B2-11	160	✓ O/C	✓	Y ☑ N ☐	
4	Rack 1 Middle Area	B2-5	160	✓ O/C	✓	Y ☑ N ☐	
5	Overflow Tanks	B2-9	160	✓ O/C	✓	Y ☑ N ☐	
6	Rack 1 South Area	B2-6	160	✓ O/C	✓	Y ☑ N ☐	
7	Rack 1 West	B2-7	160	✓ O/C	✓	Y ☑ N ☐	
8	Rack 1 North Area	B2-4	160	✓ O/C	✓	Y ☑ N ☐	
9	Over flow AFFF	B2-8		O/C ✓	✓	Y ☑ N ☐	
10	Expansion Vessel AFFF	B2-3		O/C ✓	✓	Y ☑ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	160	O/C	✓	Y ☑ N ☐	
2	Transformer Main	160	O/C	✓	Y ☑ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	160	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	160	✓ O/C	✓	Y ☑ N ☐	
2	Offices	B4-3	160	✓ O/C	✓	Y ☑ N ☐	
3	Electrical Room	B4-4	160	✓ O/C	✓	Y ☑ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☑ N ☐	✓ O/C	
2	Bearing 3	Y ☑ N ☐	✓ O/C	
3	Bearing 4	Y ☑ N ☐	✓ O/C	
4	Bearing 5	Y ☑ N ☐	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☑ N ☐	✓ O/C	
2	MP-200A	Y ☑ N ☐	✓ O/C	
3	MP-200B	Y ☑ N ☐	✓ O/C	
4	MP-200C	Y ☑ N ☐	✓ O/C	
5	MP-200D	Y ☑ N ☐	✓ O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	190	O	Y ☑ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C ✓			
2	Maintenance Shop Drive Way #8	✓ O/C	✓	✓	
3	West Side Power Block by VS-3 # 9	✓ O/C	✓	07/07	
4	West Side Power Block by VS-1 # 10	✓ O/C	✓	7/7	
5	West Side Cooling Tower by VS-4 # 11	✓ O/C	✓	07/7	
6	West side Cooling Tower by VS-4 # 12	✓ O/C	✓	7/7	
7	N.W. Corner Chemical Storage #1	✓ O/C	✓	07/7	
8	N.E. Corner Chemical Storage # 2	✓ O/C	✓	07/7	
9	East Side W.T. by Multimedia Filters # 3	✓ O/C	✓	07/7	
10	East Side W.T. by Multimedia Filters # 5	✓ O/C	✓	07/7	
11	North Side Bldg 10 # 6	✓ O/C	✓	07/7	
12	Between MP-444's and Water Treat # 4	O/C ✓			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☐	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐	Date: 7-16-24
Operator: Ray	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 159

Discharge Pressure: 162

Pump Suction Pressure: Pump Discharge pressure: 162

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 2140

Pump Suction Pressure: 14 Pump Discharge pressure: 150

Stop time: 2150 Total time running 10 min

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☑ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: 27.1 Battery volt Crank 2: 27.1	Battery Condition: Good
Starting hour meter: 131.8	Start time: 2153
Oil pressure start: 57	Oil Pressure finish: 39
Pump Suction Pressure: ~~Test~~ 10 psi	Pump Discharge pressure: 155
Coolant temperature after 30 minutes running: 205	
Stop time: 2203 Stop hour meter: 131.9	Total time running: 10 min

Comments: charge air cooler High temp

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

re is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 7/15/24 Operator Taylor

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	160	✓ O/C	✓	Y ☑ N ☐	
2	SG Unit 2	B1-2	160	✓ O/C	✓	Y ☑ N ☐	
3	Reheaters	B1-3	160	✓ O/C	✓	Y ☑ N ☐	
4	Rack 2 West HTF	B1-4	160	✓ O/C	✓	Y ☑ N ☐	
5	Rack 2 East HTF	B1-5	160	✓ O/C	✓	Y ☑ N ☐	
6	North Steel Pro	B1-6	160	✓ O/C	✓	Y ☑ N ☐	
7	HTF Pumps	B1-7	160	✓ O/C	✓	Y ☑ N ☐	
8	HTF Heaters	B1-8	160	✓ O/C	✓	Y ☑ N ☐	
9	South Steel Pro	B1-9	160	✓ O/C	✓	Y ☑ N ☐	
10	Lube Oil	B1-10	35	✓ O/C	✓	Y ☑ N ☐	
11	Turbine Hose Stations	B1-11	35	✓ O/C	✓	Y ☑ N ☐	
12	Turbine Bearings	B1-12	160	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	160	✓ O/C	✓	Y ☑ N ☐	
2	Ullage Area	B2-2	160	✓ O/C	✓	Y ☑ N ☐	
3	Ullage Structure	B2-11	160	✓ O/C	✓	Y ☑ N ☐	
4	Rack 1 Middle Area	B2-5	160	✓ O/C	✓	Y ☑ N ☐	
5	Overflow Tanks	B2-9	160	✓ O/C	✓	Y ☑ N ☐	
6	Rack 1 South Area	B2-6	160	✓ O/C	✓	Y ☑ N ☐	
7	Rack 1 West	B2-7	160	✓ O/C	✓	Y ☑ N ☐	
8	Rack 1 North Area	B2-4	160	✓ O/C	✓	Y ☑ N ☐	
9	Over flow AFFF	B2-8		O/C ✓	✓	Y ☑ N ☐	
10	Expansion Vessel AFFF	B2-3		O/C ✓	✓	Y ☐ N ☑	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	160	✓ O/C	✓	Y ☑ N ☐	
2	Transformer Main	160	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	50	✓ O/C	✓	Y ☐ N ☑	no Lock

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	45	✓ O/C	✓	Y ☑ N ☐	
2	Offices	B4-3	160	✓ O/C	✓	Y ☑ N ☐	
3	Electrical Room	B4-4	35	✓ O/C	✓	Y ☑ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☑ N ☐	✓ O/C	
2	Bearing 3	Y ☑ N ☐	✓ O/C	
3	Bearing 4	Y ☑ N ☐	✓ O/C	
4	Bearing 5	Y ☑ N ☐	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☑ N ☐	✓ O/C	
2	MP-200A	Y ☑ N ☐	✓ O/C	
3	MP-200B	Y ☑ N ☐	✓ O/C	
4	MP-200C	Y ☑ N ☐	✓ O/C	
5	MP-200D	Y ☑ N ☐	✓ O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	160	O	Y ☑ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C ✓			
2	Maintenance Shop Drive Way #8	✓ O/C			
3	West Side Power Block by VS-3 # 9	✓ O/C			
4	West Side Power Block by VS-1 # 10	✓ O/C			
5	West Side Cooling Tower by VS-4 # 11	✓ O/C			
6	West side Cooling Tower by VS-4 # 12	✓ O/C			
7	N.W. Corner Chemical Storage #1	✓ O/C			
8	N.E. Corner Chemical Storage # 2	✓ O/C			
9	East Side W.T. by Multimedia Filters # 3	✓ O/C			
10	East Side W.T. by Multimedia Filters # 5	✓ O/C			
11	North Side Bldg 10 # 6	✓ O/C			
12	Between MP-444's and Water Treat # 4	O/C ✓			Loto
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris		Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☑		

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐	Date: 7/20/24
Operator: Taylor	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☐ Mechanical ☐ Valves ☐

Check the jockey pump on pressure drop. Start up pressure:

Discharge Pressure:

Pump Suction Pressure: Pump Discharge pressure:

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☐ Mechanical ☐ Valves ☐

Start the pump on pressure drop. Start up pressure:

Start time:

Pump Suction Pressure: Pump Discharge pressure:

Stop time: Total time running

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☐ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: ✓ Battery volt Crank 2:	Battery Condition: Good
Starting hour meter: 131.9	Start time: 10:39pm
Oil pressure start: 1	Oil Pressure finish: 46

Pump Suction Pressure: Pump Discharge pressure:

Coolant temperature after 30 minutes running: 217

Stop time: 10:49pm Stop hour meter: Total time running:

Comments:

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

re is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 7/20/24 Operator Antonio

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	160	✓ O/C	✓	Y ☑ N ☐	
2	SG Unit 2	B1-2	160	✓ O/C	✓	Y ☑ N ☐	
3	Reheaters	B1-3	160	✓ O/C	✓	Y ☑ N ☐	
4	Rack 2 West HTF	B1-4	160	✓ O/C	✓	Y ☑ N ☐	
5	Rack 2 East HTF	B1-5	160	✓ O/C	✓	Y ☑ N ☐	
6	North Steel Pro	B1-6	160	✓ O/C	✓	Y ☑ N ☐	
7	HTF Pumps	B1-7	160	✓ O/C	✓	Y ☑ N ☐	
8	HTF Heaters	B1-8	160	✓ O/C	✓	Y ☑ N ☐	
9	South Steel Pro	B1-9	160	✓ O/C	✓	Y ☑ N ☐	
10	Lube Oil	B1-10	160	✓ O/C	✓	Y ☑ N ☐	
11	Turbine Hose Stations	B1-11	160	✓ O/C	✓	Y ☑ N ☐	
12	Turbine Bearings	B1-12	160	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	165	✓ O/C	✓	Y ☑ N ☐	
2	Ullage Area	B2-2	170	✓ O/C	✓	Y ☑ N ☐	
3	Ullage Structure	B2-11	155	✓ O/C	✓	Y ☑ N ☐	
4	Rack 1 Middle Area	B2-5	160	✓ O/C	✓	Y ☑ N ☐	
5	Overflow Tanks	B2-9	155	✓ O/C	✓	Y ☑ N ☐	
6	Rack 1 South Area	B2-6	160	✓ O/C	✓	Y ☑ N ☐	
7	Rack 1 West	B2-7	160	✓ O/C	✓	Y ☑ N ☐	
8	Rack 1 North Area	B2-4	165	✓ O/C	✓	Y ☑ N ☐	
9	Over flow AFFF	B2-8	—	O/C ✗	✓	Y ☑ N ☐	
10	Expansion Vessel AFFF	B2-3	—	O/C ✗	✓	Y ☑ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	160	✓ O/C	✓	Y ☑ N ☐	
2	Transformer Main	165	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	160	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	160	✓ O/C	✓	Y ☑ N ☐	
2	Offices	B4-3	160	✓ O/C	✓	Y ☑ N ☐	
3	Electrical Room	B4-4	155	✓ O/C	✓	Y ☑ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☑ N ☐	✓ O/C	
2	Bearing 3	Y ☑ N ☐	✓ O/C	
3	Bearing 4	Y ☑ N ☐	✓ O/C	
4	Bearing 5	Y ☑ N ☐	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☑ N ☐	✓ O/C	
2	MP-200A	Y ☑ N ☐	✓ O/C	
3	MP-200B	Y ☑ N ☐	✓ O/C	
4	MP-200C	Y ☑ N ☐	✓ O/C	
5	MP-200D	Y ☑ N ☐	✓ O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	190	✓	Y ☑ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C ✗			
2	Maintenance Shop Drive Way #8	✓ O/C			
3	West Side Power Block by VS-3 # 9	✓ O/C			
4	West Side Power Block by VS-1 # 10	✓ O/C			
5	West Side Cooling Tower by VS-4 # 11	✓ O/C			
6	West side Cooling Tower by VS-4 # 12	✓ O/C			
7	N.W. Corner Chemical Storage #1	✓ O/C			
8	N.E. Corner Chemical Storage # 2	✓ O/C			
9	East Side W.T. by Multimedia Filters # 3	✓ O/C			
10	East Side W.T. by Multimedia Filters # 5	✓ O/C			
11	North Side Bldg 10 # 6	✓ O/C			
12	Between MP-444's and Water Treat # 4	O/C ✗			
13	West Side Power Block Valve Shed #1	O/C			Beta Only

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☑	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 7/27/24 Operator AnAone

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	160	✓ O/C	✓	Y ☑ N ☐	
2	SG Unit 2	B1-2	160	✓ O/C	✓	Y ☑ N ☐	
3	Reheaters	B1-3	160	✓ O/C	✓	Y ☑ N ☐	
4	Rack 2 West HTF	B1-4	155	✓ O/C	✓	Y ☑ N ☐	
5	Rack 2 East HTF	B1-5	160	✓ O/C	✓	Y ☑ N ☐	
6	North Steel Pro	B1-6	160	✓ O/C	✓	Y ☑ N ☐	
7	HTF Pumps	B1-7	160	✓ O/C	✓	Y ☑ N ☐	
8	HTF Heaters	B1-8	160	✓ O/C	✓	Y ☑ N ☐	
9	South Steel Pro	B1-9	160	✓ O/C	✓	Y ☑ N ☐	
10	Lube Oil	B1-10	0	O/C X	✓	Y ☑ N ☐	LOTO
11	Turbine Hose Stations	B1-11	160	✓ O/C	✓	Y ☑ N ☐	
12	Turbine Bearings	B1-12	160	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	165	✓ O/C	✓	Y ☑ N ☐	
2	Ullage Area	B2-2	165	✓ O/C	✓	Y ☑ N ☐	
3	Ullage Structure	B2-11	160	✓ O/C	✓	Y ☑ N ☐	
4	Rack 1 Middle Area	B2-5	155	✓ O/C	✓	Y ☑ N ☐	
5	Overflow Tanks	B2-9	155	✓ O/C	✓	Y ☑ N ☐	
6	Rack 1 South Area	B2-6	160	✓ O/C	✓	Y ☑ N ☐	
7	Rack 1 West	B2-7	160	✓ O/C	✓	Y ☑ N ☐	
8	Rack 1 North Area	B2-4	165	✓ O/C	✓	Y ☑ N ☐	
9	Over flow AFFF	B2-8	0	O/C X	✓	Y ☑ N ☐	
10	Expansion Vessel AFFF	B2-3	0	O/C X	✓	Y ☑ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	160	✓ O/C	✓	Y ☑ N ☐	
2	Transformer Main	160	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	160	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	160	✓ O/C	✓	Y ☑ N ☐	
2	Offices	B4-3	160	✓ O/C	✓	Y ☑ N ☐	
3	Electrical Room	B4-4	160	✓ O/C	✓	Y ☑ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☑ N ☐	✓ O/C	
2	Bearing 3	Y ☑ N ☐	✓ O/C	
3	Bearing 4	Y ☑ N ☐	✓ O/C	
4	Bearing 5	Y ☑ N ☐	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☑ N ☐	✓ O/C	
2	MP-200A	Y ☑ N ☐	✓ O/C	
3	MP-200B	Y ☑ N ☐	✓ O/C	
4	MP-200C	Y ☑ N ☐	✓ O/C	
5	MP-200D	Y ☑ N ☐	✓ O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	195	✓	Y ☑ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C X			
2	Maintenance Shop Drive Way #8	✓ O/C			
3	West Side Power Block by VS-3 # 9	✓ O/C			
4	West Side Power Block by VS-1 # 10	✓ O/C			
5	West Side Cooling Tower by VS-4 # 11	✓ O/C			
6	West side Cooling Tower by VS-4 # 12	✓ O/C			
7	N.W. Corner Chemical Storage #1	✓ O/C			
8	N.E. Corner Chemical Storage # 2	✓ O/C			
9	East Side W.T. by Multimedia Filters # 3	✓ O/C			
10	East Side W.T. by Multimedia Filters # 5	✓ O/C			
11	North Side Bldg 10 # 6	✓ O/C			
12	Between MP-444's and Water Treat # 4	O/C X			
13	West Side Power Block Valve Shed #1	O/C			Blk4 Only

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☑	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☐ Beta ☑	Date: 7/27/24
Operator: Manuel Garcia	**To be completed each time unit is operated.** **The NFPA Form AES 5.1must be completed weekly.**
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155 psi

Discharge Pressure: 160 psi

Pump Suction Pressure: N/A Pump Discharge pressure: 162 psi

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145 psi

Start time: 0530

Pump Suction Pressure: 15 psi Pump Discharge pressure: 150 psi

Stop time: 0540 Total time running 10 mins

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☑ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: 27.1 Battery volt Crank 2: 27.1	Battery Condition: Good
Starting hour meter:	Start time:
Oil pressure start:	Oil Pressure finish:

Pump Suction Pressure: Pump Discharge pressure:

Coolant temperature after 30 minutes running:

Stop time: Stop hour meter: Total run time: January 1st hour meter: Total YTD hours:

Comments: Did not run via recommendation by Miller

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

This new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☐ Beta ☑	Date: 7/7/24
Operator: Eric C	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155.

Discharge Pressure: 167

Pump Suction Pressure: N/A Pump Discharge pressure: 167

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145.

Start time: 20:20

Pump Suction Pressure: 12. Pump Discharge pressure: 150

Stop time: 20:30 Total time running 10 min.

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☑ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: Battery volt Crank 2:	Battery Condition: Good.
Starting hour meter: 136.1	Start time: N/A
Oil pressure start: N/A.	Oil Pressure finish: N/A

Pump Suction Pressure: — Pump Discharge pressure: —

Coolant temperature after 30 minutes running: N/A.

Stop time: N/A Stop hour meter: N/A Total time running: 0

Comments: Solenoid leaking @ control panel.

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

e is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☑ Date: 7/6/24 Operator: Diego R.

Valve Shed # 1 by Condenser

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1 B1-1	0	O/C	✓	Y☐ N☑	
2	SG Unit 2 B1-2	0	O/C	✓	Y☐ N☑	
3	Reheaters B1-3	125	O/C	✓	Y☑ N☐	
4	Rack 2 West HTF B1-4	145	O/C	✓	Y☑ N☐	
5	Rack 2 East HTF B1-5	140	O/C	✓	Y☑ N☐	
6	North Steel Pro B1-6	0	O/C	✓	Y☐ N☑	
7	HTF Pumps B1-7	145	O/C	✓	Y☑ N☐	
8	HTF Heaters B1-8	150	O/C	✓	Y☑ N☐	
9	South Steel Pro B1-9	150	O/C	✓	Y☑ N☐	
10	Lube Oil B1-10	0	O/C	✓	Y☐ N☑	
11	Turbine Hose Stations B1-11	0	O/C	✓	Y☐ N☑	
12	Turbine Bearings B1-12	140	O/C	✓	Y☑ N☐	

Valve Shed # 2 by Overflow

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels B2-1	140	O/C	✓	Y☐ N☐	
2	Ullage Area B2-2	140	O/C	✓	Y☐ N☐	
3	Ullage Structure B2-11	140	O/C	✓	Y☐ N☐	
4	Rack 1 Middle Area B2-5	140	O/C	✓	Y☐ N☐	
5	Overflow Tanks B2-9	140	O/C	✓	Y☐ N☐	
6	Rack 1 South Area B2-6	140	O/C	✓	Y☐ N☐	
7	Rack 1 West B2-7	140	O/C	✓	Y☐ N☐	
8	Rack 1 North Area B2-4	140	O/C	✓	Y☐ N☐	
9	Over flow AFFF B2-8	165	O/C	✓	Y☐ N☐	
10	Expansion Vessel AFFF B2-3	145	O/C	✓	Y☐ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	155	O/C	✓	Y☐ N☐	
2	Transformer Main	155	O/C	✓	Y☐ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	80	O/C	X	Y☑ N☐	New sign needed.

Valve Shed # 5 by Control Bldg 10

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room B4-5	140	O/C	✓	Y☐ N☐	
2	Offices B4-3	140	O/C	✓	Y☐ N☐	
3	Electrical Room B4-4	140	O/C	✓	Y☐ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☐ N☐	O/C	
2	Bearing 3	Y☐ N☐	O/C	
3	Bearing 4	Y☐ N☐	O/C	
4	Bearing 5	Y☐ N☐	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☐ N☑	O/C	
2	MP-200A	Y☐ N☑	O/C	
3	MP-200B	Y☐ N☑	O/C	
4	MP-200C	Y☐ N☑	O/C	
5	MP-200D	Y☐ N☑	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	180	O	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C			
2	Maintenance Shop Drive Way #8	O/C			
3	West Side Power Block by VS-3 # 9	O/C			
4	West Side Power Block by VS-1 # 10	O/C			
5	West Side Cooling Tower by VS-4 # 11	O/C			
6	West side Cooling Tower by VS-4 # 12	O/C			
7	N.W. Corner Chemical Storage #1	O/C			
8	N.E. Corner Chemical Storage # 2	O/C			
9	East Side W.T. by Multimedia Filters # 3	O/C			
10	East Side W.T. by Multimedia Filters # 5	O/C			
11	North Side Bldg 10 # 6	O/C			
12	Between MP-444's and Water Treat # 4	O/C			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☑	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☐ Beta ☑	Date: 7/10/24.
Operator: Erick Carrillo	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☐ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155.

Discharge Pressure: 162

Pump Suction Pressure: n/a. Pump Discharge pressure: 162.

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145.

Start time: 20:48

Pump Suction Pressure: 15. Pump Discharge pressure: 150

Stop time: 20:58 Total time running 10 min.

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☑ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: Battery volt Crank 2:	Battery Condition: Good.
Starting hour meter: n/n	Start time: n/a.
Oil pressure start: n/a	Oil Pressure finish:

Pump Suction Pressure: n/a. Pump Discharge pressure: —

Coolant temperature after 30 minutes running: —

Stop time: — Stop hour meter: Total time running:

Comments:

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

ere is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☑ Date: 7/13/24 Operator Diego R.

Valve Shed # 1 by Condenser

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1 B1-1	155	O/C	✓	Y☐ N☐	
2	SG Unit 2 B1-2	155	O/C	✓	Y☐ N☐	
3	Reheaters B1-3	155	O/C	✓	Y☐ N☐	
4	Rack 2 West HTF B1-4	155	O/C	✓	Y☐ N☐	
5	Rack 2 East HTF B1-5	155	O/C	✓	Y☐ N☐	
6	North Steel Pro B1-6	165	O/C	✓	Y☐ N☐	
7	HTF Pumps B1-7	140	O/C	✓	Y☐ N☐	
8	HTF Heaters B1-8	155	O/C	✓	Y☐ N☐	
9	South Steel Pro B1-9	140	O/C	✓	Y☐ N☐	
10	Lube Oil B1-10	0	O/C	✓	Y☐ N☐	
11	Turbine Hose Stations B1-11	155	O/C	✓	Y☐ N☐	
12	Turbine Bearings B1-12	155	O/C	✓	Y☐ N☐	

Valve Shed # 2 by Overflow

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels B2-1	155	O/C	✓	Y☐ N☐	
2	Ullage Area B2-2	140	O/C	✓	Y☐ N☐	
3	Ullage Structure B2-11	140	O/C	✓	Y☐ N☐	
4	Rack 1 Middle Area B2-5	155	O/C	✓	Y☐ N☐	
5	Overflow Tanks B2-9	140	O/C	✓	Y☐ N☐	
6	Rack 1 South Area B2-6	140	O/C	✓	Y☐ N☐	
7	Rack 1 West B2-7	140	O/C	✓	Y☐ N☐	
8	Rack 1 North Area B2-4	140	O/C	✓	Y☐ N☐	
9	Over flow AFFF B2-8	140	O/C	✓	Y☐ N☐	
10	Expansion Vessel AFFF B2-3	140	O/C	✓	Y☐ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	150	O/C	✓	Y☐ N☐	
2	Transformer Main	140	O/C	✓	Y☐ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	140	O/C	✓	Y☐ N☐	

Valve Shed # 5 by Control Bldg 10

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room B4-5	140	O/C	✓	Y☐ N☐	
2	Offices B4-3	140	O/C	✓	Y☐ N☐	
3	Electrical Room B4-4	140	O/C	✓	Y☐ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☐ N☐	O/C	
2	Bearing 3	Y☐ N☐	O/C	
3	Bearing 4	Y☐ N☐	O/C	
4	Bearing 5	Y☐ N☐	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☐ N☑	O/C	
2	MP-200A	Y☐ N☐	O/C	
3	MP-200B	Y☐ N☐	O/C	
4	MP-200C	Y☐ N☐	O/C	
5	MP-200D	Y☐ N☐	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	180	O	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C			
2	Maintenance Shop Drive Way #8	O/C			
3	West Side Power Block by VS-3 # 9	O/C			
4	West Side Power Block by VS-1 # 10	O/C			
5	West Side Cooling Tower by VS-4 # 11	O/C			
6	West side Cooling Tower by VS-4 # 12	O/C			
7	N.W. Corner Chemical Storage #1	O/C			
8	N.E. Corner Chemical Storage # 2	O/C			
9	East Side W.T. by Multimedia Filters # 3	O/C			
10	East Side W.T. by Multimedia Filters # 5	O/C			
11	North Side Bldg 10 # 6	O/C			
12	Between MP-444's and Water Treat # 4	O/C			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris		Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☑		

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☐ Beta ☑	Date: 7/19/24
Operator: Taylor	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: 159

Pump Suction Pressure: Pump Discharge pressure:

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 162

Start time:

Pump Suction Pressure: Pump Discharge pressure:

p time: Total time running

omments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☑ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: ✓ Battery volt Crank 2:	Battery Condition: Good
Starting hour meter: 136.3	Start time: 10:15pm
Oil pressure start: 1	Oil Pressure finish: 50

Pump Suction Pressure: Pump Discharge pressure:

Coolant temperature after 30 minutes running: 200

Stop time: 10:22 Stop hour meter: Total time running: 7 min

Comments:

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☑ Date: 7/20/24 Operator Anthony V.

Valve Shed # 1 by Condenser

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1 B1-1	165	✓ O/C	✓	Y ☑ N ☐	
2	SG Unit 2 B1-2	160	✓ O/C	✓	Y ☑ N ☐	
3	Reheaters B1-3	160	✓ O/C	✓	Y ☑ N ☐	
4	Rack 2 West HTF B1-4	165	✓ O/C	✓	Y ☑ N ☐	
5	Rack 2 East HTF B1-5	160	✓ O/C	✓	Y ☑ N ☐	
6	North Steel Pro B1-6	160	✓ O/C	✓	Y ☑ N ☐	
7	HTF Pumps B1-7	160	✓ O/C	✓	Y ☑ N ☐	
8	HTF Heaters B1-8	160	✓ O/C	✓	Y ☑ N ☐	
9	South Steel Pro B1-9	160	✓ O/C	✓	Y ☑ N ☐	
10	Lube Oil B1-10	160	✓ O/C	✓	Y ☑ N ☐	
11	Turbine Hose Stations B1-11	160	✓ O/C	✓	Y ☐ N ☑	
12	Turbine Bearings B1-12	160	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 2 by Overflow

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels B2-1	170	✓ O/C	✓	Y ☑ N ☐	
2	Ullage Area B2-2	165	✓ O/C	✓	Y ☑ N ☐	
3	Ullage Structure B2-11	165	✓ O/C	✓	Y ☑ N ☐	
4	Rack 1 Middle Area B2-5	170	✓ O/C	✓	Y ☑ N ☐	
5	Overflow Tanks B2-9	160	✓ O/C	✓	Y ☑ N ☐	
6	Rack 1 South Area B2-6	165	✓ O/C	✓	Y ☑ N ☐	
7	Rack 1 West B2-7	160	✓ O/C	✓	Y ☑ N ☐	
8	Rack 1 North Area B2-4	160	✓ O/C	✓	Y ☑ N ☐	
9	Over flow AFFF B2-8	165	✓ O/C	✓	Y ☑ N ☐	
10	Expansion Vessel AFFF B2-3	163	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	160	✓ O/C	✓	Y ☑ N ☐	
2	Transformer Main	160	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	165	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room B4-5	160	✓ O/C	✓	Y ☑ N ☐	
2	Offices B4-3	160	✓ O/C	✓	Y ☑ N ☐	
3	Electrical Room B4-4	160	✓ O/C	✓	Y ☑ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☑ N ☐	✓ O/C	
2	Bearing 3	Y ☑ N ☐	✓ O/C	
3	Bearing 4	Y ☑ N ☐	✓ O/C	
4	Bearing 5	Y ☑ N ☐	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☑ N ☐	✓ O/C	
2	MP-200A	Y ☑ N ☐	✓ O/C	
3	MP-200B	Y ☑ N ☐	✓ O/C	
4	MP-200C	Y ☑ N ☐	✓ O/C	
5	MP-200D	Y ☑ N ☐	✓ O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	140	Open	Y ☑ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C ✓			
2	Maintenance Shop Drive Way #8	✓ O/C			
3	West Side Power Block by VS-3 # 9	✓ O/C			
4	West Side Power Block by VS-1 # 10	✓ O/C			
5	West Side Cooling Tower by VS-4 # 11	✓ O/C			
6	West side Cooling Tower by VS-4 # 12	✓ O/C			
7	N.W. Corner Chemical Storage #1	✓ O/C			
8	N.E. Corner Chemical Storage # 2	✓ O/C			
9	East Side W.T. by Multimedia Filters # 3	✓ O/C			
10	East Side W.T. by Multimedia Filters # 5	✓ O/C			
11	North Side Bldg 10 # 6	✓ O/C			
12	Between MP-444's and Water Treat # 4	O/C ✓			
13	West Side Power Block Valve Shed #1	✓ O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☐	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☒ Date: 8/31/24 Operator Erick.

Valve Shed # 1 by Condenser

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1 B1-1	160	✓ O/C	✓	Y☒ N☐	
2	SG Unit 2 B1-2	155	✓ O/C	✓	Y☒ N☐	
3	Reheaters B1-3	160	✓ O/C	✓	Y☒ N☐	
4	Rack 2 West HTF B1-4	165	✓ O/C	✓	Y☒ N☐	
5	Rack 2 East HTF B1-5	160	✓ O/C	✓	Y☒ N☐	
6	North Steel Pro B1-6	160	✓ O/C	✓	Y☒ N☐	
7	HTF Pumps B1-7	155	✓ O/C	✓	Y☒ N☐	
8	HTF Heaters B1-8	155	✓ O/C	✓	Y☒ N☐	
9	South Steel Pro B1-9	155	✓ O/C	✓	Y☒ N☐	
10	Lube Oil B1-10	155	✓ O/C	✓	Y☒ N☐	
11	Turbine Hose Stations B1-11	155	✓ O/C	✓	Y☒ N☐	
12	Turbine Bearings B1-12	155	✓ O/C	✓	Y☒ N☐	

Valve Shed # 2 by Overflow

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels B2-1	165	✓ O/C	✓	Y☒ N☐	
2	Ullage Area B2-2	165	✓ O/C	✓	Y☒ N☐	
3	Ullage Structure B2-11	160	✓ O/C	✓	Y☒ N☐	
4	Rack 1 Middle Area B2-5	165	✓ O/C	✓	Y☒ N☐	
5	Overflow Tanks B2-9	160	✓ O/C	✓	Y☒ N☐	
6	Rack 1 South Area B2-6	160	✓ O/C	✓	Y☒ N☐	
7	Rack 1 West B2-7	160	✓ O/C	✓	Y☒ N☐	
8	Rack 1 North Area B2-4	160	✓ O/C	✓	Y☒ N☐	
9	Over flow AFFF B2-8	165	✓ O/C	✓	Y☒ N☐	
10	Expansion Vessel AFFF B2-3	165	✓ O/C	✓	Y☒ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	155	O O/C	✓	Y☒ N☐	
2	Transformer Main	155	O O/C	✓	Y☒ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	160	O/C	✓	Y☒ N☐	

Valve Shed # 5 by Control Bldg 10

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room B4-5	160	O/C	✓	Y☒ N☐	
2	Offices B4-3	160	O/C	✓	Y☒ N☐	
3	Electrical Room B4-4	165	O/C	✓	Y☐ N☒	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☒ N☐	✓ O/C	
2	Bearing 3	Y☒ N☐	✓ O/C	
3	Bearing 4	Y☒ N☐	✓ O/C	
4	Bearing 5	Y☒ N☐	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☒ N☐	✓ O/C	
2	MP-200A	Y☒ N☐	✓ O/C	
3	MP-200B	Y☒ N☐	✓ O/C	
4	MP-200C	Y☒ N☐	✓ O/C	
5	MP-200D	Y☒ N☐	✓ O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	140	O	Y☒ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	✓ O/C ✓			
2	Maintenance Shop Drive Way #8	✓ O/C ✓			
3	West Side Power Block by VS-3 # 9	✓ O/C			
4	West Side Power Block by VS-1 # 10	✓ O/C			
5	West Side Cooling Tower by VS-4 # 11	✓ O/C			
6	West side Cooling Tower by VS-4 # 12	✓ O/C			
7	N.W. Corner Chemical Storage #1	✓ O/C			
8	N.E. Corner Chemical Storage # 2	✓ O/C			
9	East Side W.T. by Multimedia Filters # 3	✓ O/C			
10	East Side W.T. by Multimedia Filters # 5	✓ O/C			
11	North Side Bldg 10 # 6	✓ O/C			
12	Between MP-444's and Water Treat # 4	✓ O/C ✓			
13	West Side Power Block Valve Shed #1	✓ O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☒	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☑ Date: 8/03/24 Operator Manuel Garcia

Valve Shed # 1 by Condenser

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1 A/B1-1	160	O/C	✓	Y ☑ N ☐	
2	SG Unit 2 A/B1-2	160	O/C	✓	Y ☑ N ☐	
3	Reheaters A/B1-3	160	O/C	✓	Y ☑ N ☐	
4	Rack 2 West HTF A/B1-4	160	O/C	✓	Y ☑ N ☐	
5	Rack 2 East HTF A/B1-5	160	O/C	✓	Y ☑ N ☐	
6	North Steel Pro A/B1-6	160	O/C	✓	Y ☑ N ☐	
7	HTF Pumps A/B1-7	160	O/C	✓	Y ☑ N ☐	
8	HTF Heaters A/B1-8	160	O/C	✓	Y ☑ N ☐	
9	South Steel Pro A/B1-9	160	O/C	✓	Y ☑ N ☐	
10	Lube Oil A/B1-10	160	O/C	✓	Y ☑ N ☐	
11	Turbine Hose Stations A/B1-11	160	O/C	✓	Y ☑ N ☐	
12	Turbine Bearings A/B1-12	160	O/C	✓	Y ☑ N ☐	

Valve Shed # 2 by Overflow

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels A/B2-1	160	O/C	✓	Y ☑ N ☐	
2	Ullage Area A/B2-2	160	O/C	✓	Y ☑ N ☐	
3	Ullage Structure A/B2-11	160	O/C	✓	Y ☑ N ☐	
4	Rack 1 Middle Area A/B2-5	160	O/C	✓	Y ☑ N ☐	
5	Overflow Tanks A/B2-9	160	O/C	✓	Y ☑ N ☐	
6	Rack 1 South Area A/B2-6	160	O/C	✓	Y ☑ N ☐	
7	Rack 1 West A/B2-7	160	O/C	✓	Y ☑ N ☐	
8	Rack 1 North Area A/B2-4	160	O/C	✓	Y ☑ N ☐	
9	Over flow AFFF A/B2-8	160	O/C	✓	Y ☑ N ☐	
10	Expansion Vessel AFFF A/B2-3	160	O/C	✓	Y ☑ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	155	O/C	✓	Y ☑ N ☐	
2	Transformer Main	155	O/C	✓	Y ☑ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	155	O/C	✓	Y ☑ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room A/B4-5	160	O/C	✓	Y ☑ N ☐	
2	Offices A/B4-3	160	O/C	✓	Y ☑ N ☐	
3	Electrical Room A/B4-4	155	O/C	✓	Y ☑ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☑ N ☐	O/C	
2	Bearing 3	Y ☑ N ☐	O/C	
3	Bearing 4	Y ☑ N ☐	O/C	
4	Bearing 5	Y ☑ N ☐	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☑ N ☐	O/C	
2	MP-200A	Y ☑ N ☐	O/C	
3	MP-200B	Y ☑ N ☐	O/C	
4	MP-200C	Y ☑ N ☐	O/C	
5	MP-200D	Y ☑ N ☐	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	155	C	Y ☑ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Warehouse/Maintenance Shop Drive Way #7	O/C	NO		
2	Warehouse/Maintenance Shop Drive Way #8	O/C			
3	West Side Power Block by VS-3 # 9	O/C			
4	West Side Power Block by VS-1 # 10	O/C			
5	West Side Cooling Tower by VS-4 # 11	O/C			
6	West side Cooling Tower by VS-4 # 12	O/C			
7	N.W. Corner Chemical Storage #1	O/C			
8	N.E. Corner Chemical Storage # 2	O/C			
9	East Side W.T. by Multimedia Filters # 3	O/C			
10	East Side W.T. by Multimedia Filters # 5	O/C			
11	North Side Bldg 10 # 6	O/C			
12	Between MP-444's and Water Treat # 4	O/C			
13	Beta Only West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☑	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 8/3/24 Operator Diego R.

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	160	O/C	✓	Y☐ N☐	
2	SG Unit 2	B1-2	160	O/C	✓	Y☐ N☐	
3	Reheaters	B1-3	155	O/C	✓	Y☐ N☐	
4	Rack 2 West HTF	B1-4	160	O/C	✓	Y☐ N☐	
5	Rack 2 East HTF	B1-5	160	O/C	✓	Y☐ N☐	
6	North Steel Pro	B1-6	160	O/C	✓	Y☐ N☐	
7	HTF Pumps	B1-7	165	O/C	✓	Y☐ N☐	
8	HTF Heaters	B1-8	160	O/C	✓	Y☐ N☐	
9	South Steel Pro	B1-9	168	O/C	✓	Y☐ N☐	
10	Lube Oil	B1-10	160	O/C	✓	Y☐ N☐	
11	Turbine Hose Stations	B1-11	160	O/C	✓	Y☐ N☐	
12	Turbine Bearings	B1-12	155	O/C	✓	Y☐ N☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	160	O/C	✓	Y☐ N☐	
2	Ullage Area	B2-2	150	O/C	✓	Y☐ N☐	
3	Ullage Structure	B2-11	155	O/C	✓	Y☐ N☐	
4	Rack 1 Middle Area	B2-5	155	O/C	✓	Y☐ N☐	
5	Overflow Tanks	B2-9	155	O/C	✓	Y☐ N☐	
6	Rack 1 South Area	B2-6	160	O/C	✓	Y☐ N☐	
7	Rack 1 West	B2-7	160	O/C	✓	Y☐ N☐	
8	Rack 1 North Area	B2-4	160	O/C	✓	Y☐ N☐	
9	Over flow AFFF	B2-8	0	O/C	✓	Y☐ N☐	
10	Expansion Vessel AFFF	B2-3	0	O/C	✓	Y☐ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	155	O/C	✓	Y☐ N☐	
2	Transformer Main	160	O/C	✓	Y☐ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Cooling Tower West Side	160	O/C	X	Y☐ N☐	NOT LOCKED.

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	160	O/C	✓	Y☐ N☐	
2	Offices	B4-3	160	O/C	✓	Y☐ N☐	
3	Electrical Room	B4-4	160	O/C	✓	Y☐ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☐ N☐	O/C	
2	Bearing 3	Y☐ N☐	O/C	
3	Bearing 4	Y☐ N☐	O/C	
4	Bearing 5	Y☐ N☐	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☐ N☑	O/C	
2	MP-200A	Y☑ N☐	O/C	
3	MP-200B	Y☑ N☐	O/C	
4	MP-200C	Y☑ N☐	O/C	
5	MP-200D	Y☑ N☐	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	190	O	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C			
2	Maintenance Shop Drive Way #8	O/C			
3	West Side Power Block by VS-3 # 9	O/C			
4	West Side Power Block by VS-1 # 10	O/C			
5	West Side Cooling Tower by VS-4 # 11	O/C			
6	West side Cooling Tower by VS-4 # 12	O/C			
7	N.W. Corner Chemical Storage #1	O/C			
8	N.E. Corner Chemical Storage # 2	O/C			
9	East Side W.T. by Multimedia Filters # 3	O/C			
10	East Side W.T. by Multimedia Filters # 5	O/C			
11	North Side Bldg 10 # 6	O/C			
12	Between MP-444's and Water Treat # 4	O/C			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☑	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐	Date: 8/4/24
Operator: Anthony	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: 162

Pump Suction Pressure: — Pump Discharge pressure: —

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 2337

Pump Suction Pressure: 20 Pump Discharge pressure: 150

Stop time: 2347 Total time running 10 min

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☐ No ☑ Monthly Fuel Consumption: —

Battery volt Crank 1: 26 Battery volt Crank 2: 26	Battery Condition: Good
Starting hour meter: 132.0	Start time: 2352
Oil pressure start:	Oil Pressure finish: 38

Pump Suction Pressure: 20 Pump Discharge pressure: 150

Coolant temperature after 30 minutes running: 203 @ 10 min

Stop time: 0002 Stop hour meter: 132.1 Total time running: 10 min

Comments:

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

ere is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☐ Beta ☑ | Date: 8/5/24

Operator: Anthony | *To be completed each time unit is operated.

Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: 162

Pump Suction Pressure: — Pump Discharge pressure: —

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 2357

Pump Suction Pressure: 20 Pump Discharge pressure: 150

Stop time: 0007 Total time running 10 min

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☐ Oil ☐ Mechanical ☐ Valves ☐ Water Jacket Heater ☐

Fuel level > 2/3: Yes ☐ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: Battery volt Crank 2: | Battery Condition:

Starting hour meter: | Start time:

Oil pressure start: | Oil Pressure finish:

Pump Suction Pressure: Pump Discharge pressure:

Coolant temperature after 30 minutes running:

Stop time: Stop hour meter: Total time running:

Comments: manuf. & pump being serviced

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

s no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☑ Date: 8.9.24 Operator Marcelino S.

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	45	O/C		Y☐ N☐	
2	SG Unit 2	B1-2	160	O/C		Y☐ N☐	
3	Reheaters	B1-3	160	O/C		Y☐ N☐	
4	Rack 2 West HTF	B1-4	160	O/C		Y☐ N☐	
5	Rack 2 East HTF	B1-5	160	O/C		Y☐ N☐	
6	North Steel Pro	B1-6	160	O/C		Y☐ N☐	
7	HTF Pumps	B1-7	160	O/C		Y☐ N☐	
8	HTF Heaters	B1-8	160	O/C		Y☐ N☐	
9	South Steel Pro	B1-9	160	O/C		Y☐ N☐	
10	Lube Oil	B1-10	50	O/C		Y☐ N☐	
11	Turbine Hose Stations	B1-11	45	O/C		Y☐ N☑	
12	Turbine Bearings	B1-12	40	O/C		Y☐ N☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	160	O/C		Y☑ N☐	
2	Ullage Area	B2-2	160	O/C		Y☑ N☐	
3	Ullage Structure	B2-11	160	O/C		Y☑ N☐	
4	Rack 1 Middle Area	B2-5	160	O/C		Y☑ N☐	
5	Overflow Tanks	B2-9	160	O/C		Y☑ N☐	
6	Rack 1 South Area	B2-6	160	O/C		Y☑ N☐	
7	Rack 1 West	B2-7	160	O/C		Y☑ N☐	
8	Rack 1 North Area	B2-4	160	O/C		Y☑ N☐	
9	Over flow AFFF	B2-8	160	O/C		Y☑ N☐	
10	Expansion Vessel AFFF	B2-3	160	O/C		Y☑ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	45	O/C	✓	Y☑ N☐	
2	Transformer Main	45	O/C	✓	Y☐ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	50	O/C	✓	Y☑ N☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5		O/C		Y☐ N☐	
2	Offices	B4-3		O/C		Y☐ N☐	
3	Electrical Room	B4-4		O/C		Y☐ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☑ N☐	O/C	
2	Bearing 3	Y☑ N☐	O/C	
3	Bearing 4	Y☑ N☐	O/C	
4	Bearing 5	Y☑ N☐	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☑ N☐	O/C	
2	MP-200A	Y☑ N☐	O/C	
3	MP-200B	Y☑ N☐	O/C	
4	MP-200C	Y☑ N☐	O/C	
5	MP-200D	Y☑ N☐	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge			Y☐ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C			
2	Maintenance Shop Drive Way #8	O/C			
3	West Side Power Block by VS-3 # 9	O/C			
4	West Side Power Block by VS-1 # 10	O/C			
5	West Side Cooling Tower by VS-4 # 11	O/C			
6	West side Cooling Tower by VS-4 # 12	O/C			
7	N.W. Corner Chemical Storage #1	O/C			
8	N.E. Corner Chemical Storage # 2	O/C			
9	East Side W.T. by Multimedia Filters # 3	O/C			
10	East Side W.T. by Multimedia Filters # 5	O/C			
11	North Side Bldg 10 # 6	O/C			
12	Between MP-444's and Water Treat # 4	O/C			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris		Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☐		

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐	Date: 8/11/24
Operator: Anthony V.	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: 162

Pump Suction Pressure: — Pump Discharge pressure: —

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 2315

Pump Suction Pressure: 20 Pump Discharge pressure: 150

Stop time: 2325 Total time running 10 min

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☐ No ☑ Monthly Fuel Consumption: —

Battery volt Crank 1: 26 Battery volt Crank 2: 26	Battery Condition: Good
Starting hour meter: 132.1	Start time: 2331
Oil pressure start: 1	Oil Pressure finish: 40

Pump Suction Pressure: 20 Pump Discharge pressure: 150

Coolant temperature after 30 minutes running: Overheated after 7 min

Stop time: 2338 Stop hour meter: 132.2 Total time running: 7 min

Comments:

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 08/11/24 Operator Jose Zamora

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	160	✓ O/C	✓	Y ☑ N ☐	
2	SG Unit 2	B1-2	160	✓ O/C	✓	Y ☑ N ☐	
3	Reheaters	B1-3	160	✓ O/C	✓	Y ☑ N ☐	
4	Rack 2 West HTF	B1-4	160	✓ O/C	✓	Y ☑ N ☐	
5	Rack 2 East HTF	B1-5	160	✓ O/C	✓	Y ☑ N ☐	
6	North Steel Pro	B1-6	160	✓ O/C	✓	Y ☑ N ☐	
7	HTF Pumps	B1-7	160	✓ O/C	✓	Y ☑ N ☐	
8	HTF Heaters	B1-8	160	✓ O/C	✓	Y ☑ N ☐	
9	South Steel Pro	B1-9	160	✓ O/C	✓	Y ☑ N ☐	
10	Lube Oil	B1-10	160	✓ O/C	✓	Y ☑ N ☐	
11	Turbine Hose Stations	B1-11	160	✓ O/C	✓	Y ☑ N ☐	
12	Turbine Bearings	B1-12	160	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	165	✓ O/C	✓	Y ☑ N ☐	
2	Ullage Area	B2-2	165	✓ O/C	✓	Y ☑ N ☐	
3	Ullage Structure	B2-11	160	✓ O/C	✓	Y ☑ N ☐	
4	Rack 1 Middle Area	B2-5	160	✓ O/C	✓	Y ☑ N ☐	
5	Overflow Tanks	B2-9	160	✓ O/C	✓	Y ☑ N ☐	
6	Rack 1 South Area	B2-6	160	✓ O/C	✓	Y ☑ N ☐	
7	Rack 1 West	B2-7	160	✓ O/C	✓	Y ☑ N ☐	
8	Rack 1 North Area	B2-4	165	✓ O/C	✓	Y ☑ N ☐	
9	Over flow AFFF	B2-8	0	O/C ✓	✓	Y ☑ N ☐	
10	Expansion Vessel AFFF	B2-3	0	O/C ✓	✓	Y ☑ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	160	✓ O/C	✓	Y ☑ N ☐	
2	Transformer Main	160	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	160	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	160	✓ O/C	✓	Y ☑ N ☐	
2	Offices	B4-3	160	✓ O/C	✓	Y ☑ N ☐	
3	Electrical Room	B4-4	160	✓ O/C	✓	Y ☑ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☑ N ☐	✓ O/C	
2	Bearing 3	Y ☑ N ☐	✓ O/C	
3	Bearing 4	Y ☑ N ☐	✓ O/C	
4	Bearing 5	Y ☑ N ☐	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☑ N ☐	✓ O/C	
2	MP-200A	Y ☑ N ☐	✓ O/C	
3	MP-200B	Y ☑ N ☐	✓ O/C	
4	MP-200C	Y ☑ N ☐	✓ O/C	
5	MP-200D	Y ☑ N ☐	✓ O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	190	O	Y ☑ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C ✓			
2	Maintenance Shop Drive Way #8	✓ O/C			
3	West Side Power Block by VS-3 # 9	✓ O/C			
4	West Side Power Block by VS-1 # 10	✓ O/C			
5	West Side Cooling Tower by VS-4 # 11	✓ O/C			
6	West side Cooling Tower by VS-4 # 12	✓ O/C			
7	N.W. Corner Chemical Storage #1	✓ O/C			
8	N.E. Corner Chemical Storage # 2	✓ O/C			
9	East Side W.T. by Multimedia Filters # 3	✓ O/C			
10	East Side W.T. by Multimedia Filters # 5	✓ O/C			
11	North Side Bldg 10 # 6	✓ O/C			
12	Between MP-444's and Water Treat # 4	O/C ✓			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☐	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☐ Beta ☑	Date: 8/13/24
Operator: Anthony	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: 162

Pump Suction Pressure: — Pump Discharge pressure: —

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 0056

Pump Suction Pressure: 20 Pump Discharge pressure: 150

Stop time: 0016 Total time running 10 min

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☐ Oil ☐ Mechanical ☐ Valves ☐ Water Jacket Heater ☐

Fuel level > 2/3: Yes ☐ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: Battery volt Crank 2:	Battery Condition:
Starting hour meter:	Start time:
Oil pressure start:	Oil Pressure finish:
Pump Suction Pressure:	Pump Discharge pressure:
Coolant temperature after 30 minutes running:	
Stop time: Stop hour meter:	Total time running:

Comments: N/A unit * Pump being serviced

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

re is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☐ Beta ☑ | Date: 8/16/24

Operator: Erick C. | *To be completed each time unit is operated.

Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: 162

Pump Suction Pressure: n/a. Pump Discharge pressure: 162.

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 20:31

Pump Suction Pressure: 12. Pump Discharge pressure: 150

Stop time: 20:41 Total time running 10 min.

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☑ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: 26.5 Battery volt Crank 2: 26.5 | Battery Condition: Good terminals need replace.

Starting hour meter: 136.4 | Start time: n/a

Oil pressure start: n/a | Oil Pressure finish: n/a

Pump Suction Pressure: n/a Pump Discharge pressure: n/a

Coolant temperature after 30 minutes running: —

Stop time: — Stop hour meter: — Total time running: —

Comments: —

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

› is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☑ Date: 8/16/24 Operator Taylor

Valve Shed # 1 by Condenser

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1 B1-1	160	O/C	✓	Y ☑ N ☐	
2	SG Unit 2 B1-2	160	O/C	✓	Y ☑ N ☐	
3	Reheaters B1-3	155	O/C	✓	Y ☑ N ☐	
4	Rack 2 West HTF B1-4	160	O/C	✓	Y ☑ N ☐	
5	Rack 2 East HTF B1-5	160	O/C	✓	Y ☑ N ☐	
6	North Steel Pro B1-6	160	O/C	✓	Y ☑ N ☐	
7	HTF Pumps B1-7	160	O/C	✓	Y ☑ N ☐	
8	HTF Heaters B1-8	160	O/C	✓	Y ☑ N ☐	
9	South Steel Pro B1-9	160	O/C	✓	Y ☑ N ☐	
10	Lube Oil B1-10	160	O/C	✓	Y ☑ N ☐	
11	Turbine Hose Stations B1-11	160	O/C	✓	Y ☑ N ☐	
12	Turbine Bearings B1-12	155	O/C	✓	Y ☑ N ☐	

Valve Shed # 2 by Overflow

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels B2-1	160	O/C	✓	Y ☑ N ☐	
2	Ullage Area B2-2	150	O/C	✓	Y ☑ N ☐	
3	Ullage Structure B2-11	150	O/C	✓	Y ☑ N ☐	
4	Rack 1 Middle Area B2-5	150	O/C	✓	Y ☑ N ☐	
5	Overflow Tanks B2-9	150	O/C	✓	Y ☑ N ☐	
6	Rack 1 South Area B2-6	150	O/C	✓	Y ☑ N ☐	
7	Rack 1 West B2-7	150	O/C	✓	Y ☑ N ☐	
8	Rack 1 North Area B2-4	150	O/C	✓	Y ☑ N ☐	
9	Over flow AFFF B2-8	150	O/C	✓	Y ☑ N ☐	
10	Expansion Vessel AFFF B2-3	150	O/C	✓	Y ☑ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux		O/C	✓	Y ☑ N ☐	
2	Transformer Main		O/C	✓	Y ☑ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	70 ✓	O/C	✓	Y ☑ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room B4-5	160	O/C	✓	Y ☑ N ☐	
2	Offices B4-3	160	O/C	✓	Y ☑ N ☐	
3	Electrical Room B4-4	160	O/C	✓	Y ☑ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☑ N ☐	✓ O/C	
2	Bearing 3	Y ☑ N ☐	✓ O/C	
3	Bearing 4	Y ☑ N ☐	✓ O/C	
4	Bearing 5	Y ☑ N ☐	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☑ N ☐	✓ O/C	
2	MP-200A	Y ☑ N ☐	✓ O/C	
3	MP-200B	Y ☑ N ☐	✓ O/C	
4	MP-200C	Y ☑ N ☐	✓ O/C	
5	MP-200D	Y ☑ N ☐	✓ O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	190	O	Y ☑ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C			
2	Maintenance Shop Drive Way #8	O/C			
3	West Side Power Block by VS-3 # 9	O/C			
4	West Side Power Block by VS-1 # 10	O/C			
5	West Side Cooling Tower by VS-4 # 11	O/C			
6	West side Cooling Tower by VS-4 # 12	O/C			
7	N.W. Corner Chemical Storage #1	O/C			
8	N.E. Corner Chemical Storage # 2	O/C			
9	East Side W.T. by Multimedia Filters # 3	O/C			
10	East Side W.T. by Multimedia Filters # 5	O/C			
11	North Side Bldg 10 # 6	O/C			
12	Between MP-444's and Water Treat # 4	O/C			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☑	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐	Date: 8/17/24
Operator: Ray	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 158

Discharge Pressure: 165

Pump Suction Pressure: N/A Pump Discharge pressure: 165

Comments: no suction gauge

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 11:16

Pump Suction Pressure: 15 Pump Discharge pressure: 150

Stop time: 11:26 Total time running 10 min

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☐

Fuel level > 2/3: Yes ☑ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: 27.3 Battery volt Crank 2: 27.3	Battery Condition: Good
Starting hour meter: 132.2	Start time: 11:30
Oil pressure start: 69	Oil Pressure finish: 40
Pump Suction Pressure: 15	Pump Discharge pressure: 154
Coolant temperature after 30 minutes running: 198	
Stop time: 11 Stop hour meter: 132.3	Total time running: 10 min

Comments: overheating.

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

here is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

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Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 8.16.24 Operator Marcelino S.

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	160	O/C	✓	Y☑ N☐	
2	SG Unit 2	B1-2	160	O/C	✓	Y☑ N☐	
3	Reheaters	B1-3	160	O/C	✓	Y☑ N☐	
4	Rack 2 West HTF	B1-4	160	O/C	✓	Y☑ N☐	
5	Rack 2 East HTF	B1-5	160	O/C	✓	Y☑ N☐	
6	North Steel Pro	B1-6	160	O/C	✓	Y☑ N☐	
7	HTF Pumps	B1-7	160	O/C	✓	Y☑ N☐	
8	HTF Heaters	B1-8	160	O/C	✓	Y☑ N☐	
9	South Steel Pro	B1-9	160	O/C	✓	Y☑ N☐	
10	Lube Oil	B1-10	80	O/C	✓	Y☑ N☐	
11	Turbine Hose Stations	B1-11	50	O/C	✓	Y☑ N☐	
12	Turbine Bearings	B1-12	150	O/C	✓	Y☑ N☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	160	O/C		Y☐ N☐	
2	Ullage Area	B2-2	160	O/C		Y☐ N☐	
3	Ullage Structure	B2-11	160	O/C		Y☐ N☐	
4	Rack 1 Middle Area	B2-5	160	O/C		Y☐ N☐	
5	Overflow Tanks	B2-9	160	O/C		Y☐ N☐	
6	Rack 1 South Area	B2-6	160	O/C		Y☐ N☐	
7	Rack 1 West	B2-7	160	O/C		Y☐ N☐	
8	Rack 1 North Area	B2-4	160	O/C		Y☐ N☐	
9	Over flow AFFF	B2-8	0	O/C		Y☑ N☐	
10	Expansion Vessel AFFF	B2-3	0	O/C		Y☑ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	160	O/C	✓	Y☑ N☐	
2	Transformer Main	160	O/C	✓	Y☑ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	50	O/C	✓	Y☐ N☑	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	130	O/C	✓	Y☑ N☐	
2	Offices	B4-3	45	O/C	✓	Y☑ N☐	
3	Electrical Room	B4-4	45	O/C	✓	Y☑ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☑ N☐	✓ O/C	
2	Bearing 3	Y☑ N☐	✓ O/C	
3	Bearing 4	Y☑ N☐	✓ O/C	
4	Bearing 5	Y☑ N☐	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☑ N☐	✓ O/C	
2	MP-200A	Y☑ N☐	✓ O/C	
3	MP-200B	Y☑ N☐	✓ O/C	
4	MP-200C	Y☑ N☐	✓ O/C	
5	MP-200D	Y☑ N☐	✓ O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge			Y☐ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C ✓			
2	Maintenance Shop Drive Way #8	✓ O/C			
3	West Side Power Block by VS-3 # 9	✓ O/C			
4	West Side Power Block by VS-1 # 10	✓ O/C			
5	West Side Cooling Tower by VS-4 # 11	O/C			
6	West side Cooling Tower by VS-4 # 12	O/C			
7	N.W. Corner Chemical Storage #1	O/C			
8	N.E. Corner Chemical Storage # 2	O/C			
9	East Side W.T. by Multimedia Filters # 3	O/C			
10	East Side W.T. by Multimedia Filters # 5	O/C			
11	North Side Bldg 10 # 6	O/C			
12	Between MP-444's and Water Treat # 4	O/C			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☐	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 8/23/24 Operator Roy

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	150	✓ O/C	✓	Y ☑ N ☐	
2	SG Unit 2	B1-2	155	✓ O/C	✓	Y ☑ N ☐	
3	Reheaters	B1-3	155	✓ O/C	✓	Y ☑ N ☐	
4	Rack 2 West HTF	B1-4	155	✓ O/C	✓	Y ☑ N ☐	
5	Rack 2 East HTF	B1-5	150	✓ O/C	✓	Y ☑ N ☐	
6	North Steel Pro	B1-6	155	✓ O/C	✓	Y ☑ N ☐	
7	HTF Pumps	B1-7	150	✓ O/C	✓	Y ☑ N ☐	
8	HTF Heaters	B1-8	150	✓ O/C	✓	Y ☑ N ☐	
9	South Steel Pro	B1-9	155	✓ O/C	✓	Y ☑ N ☐	
10	Lube Oil	B1-10	155	✓ O/C	✓	Y ☐ N ☑	
11	Turbine Hose Stations	B1-11	155	✓ O/C	✓	Y ☑ N ☐	
12	Turbine Bearings	B1-12	155	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	165	✓ O/C	✓	Y ☑ N ☐	
2	Ullage Area	B2-2	150	✓ O/C	✓	Y ☑ N ☐	
3	Ullage Structure	B2-11	153	✓ O/C	✓	Y ☑ N ☐	
4	Rack 1 Middle Area	B2-5	150	✓ O/C	✓	Y ☑ N ☐	
5	Overflow Tanks	B2-9	150	✓ O/C	✓	Y ☑ N ☐	
6	Rack 1 South Area	B2-6	160	✓ O/C	✓	Y ☑ N ☐	
7	Rack 1 West	B2-7	165	✓ O/C	✓	Y ☑ N ☐	
8	Rack 1 North Area	B2-4	150	✓ O/C		Y ☐ N ☐	
9	Over flow AFFF	B2-8	0	O/C ✓	✓	Y ☐ N ☑	
10	Expansion Vessel AFFF	B2-3	0	O/C ✓	✓	Y ☐ N ☑	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	155	✓ O/C	✓	Y ☑ N ☐	
2	Transformer Main	155	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	160	✓ O/C	X	Y ☐ N ☑	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	155	✓ O/C	✓	Y ☑ N ☐	
2	Offices	B4-3	155	✓ O/C	✓	Y ☑ N ☐	
3	Electrical Room	B4-4	155	✓ O/C	✓	Y ☑ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☑ N ☐	✓ O/C	
2	Bearing 3	Y ☑ N ☐	✓ O/C	
3	Bearing 4	Y ☑ N ☐	✓ O/C	
4	Bearing 5	Y ☑ N ☐	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☑ N ☐	✓ O/C	
2	MP-200A	Y ☑ N ☐	✓ O/C	
3	MP-200B	Y ☑ N ☐	✓ O/C	
4	MP-200C	Y ☑ N ☐	✓ O/C	
5	MP-200D	Y ☑ N ☐	✓ O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	190	O	Y ☑ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C ✓			
2	Maintenance Shop Drive Way #8	✓ O/C			
3	West Side Power Block by VS-3 # 9	✓ O/C			
4	West Side Power Block by VS-1 # 10	✓ O/C			
5	West Side Cooling Tower by VS-4 # 11	✓ O/C			
6	West side Cooling Tower by VS-4 # 12	✓ O/C			
7	N.W. Corner Chemical Storage #1	✓ O/C			
8	N.E. Corner Chemical Storage # 2	✓ O/C			
9	East Side W.T. by Multimedia Filters # 3	✓ O/C			
10	East Side W.T. by Multimedia Filters # 5	✓ O/C			
11	North Side Bldg 10 # 6	✓ O/C			
12	Between MP-444's and Water Treat # 4	O/C ✓			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☑	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐	Date: 8/24/24
Operator: Ray	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☐ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: 162

Pump Suction Pressure: Pump Discharge pressure:

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 140

Start time: 0548

Pump Suction Pressure: 10 Pump Discharge pressure: 150

Stop time: ~~0553~~ RW Total time running

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☑ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: 27.3 Battery volt Crank 2: 27.3	Battery Condition: Good
Starting hour meter: 132.3	Start time: 0533
Oil pressure start: 60 psi	Oil Pressure finish: 37
Pump Suction Pressure: 15	Pump Discharge pressure: 160
Coolant temperature after 30 minutes running: 201	
Stop time: 544 Stop hour meter: 132.4	Total time running: 11 min

Comments: Overheating

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☒ Date: 8/24/24 Operator Eriel C.

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	160	✓O/C	✓	Y☒ N☐	
2	SG Unit 2	B1-2	155	✓O/C	✓	Y☒ N☐	
3	Reheaters	B1-3	160	✓O/C	✓	Y☒ N☐	
4	Rack 2 West HTF	B1-4	165	✓O/C	✓	Y☒ N☐	
5	Rack 2 East HTF	B1-5	160	✓O/C	✓	Y☒ N☐	
6	North Steel Pro	B1-6	160	✓O/C	✓	Y☒ N☐	
7	HTF Pumps	B1-7	155	✓O/C	✓	Y☒ N☐	
8	HTF Heaters	B1-8	155	✓O/C	✓	Y☒ N☐	
9	South Steel Pro	B1-9	160	✓O/C	✓	Y☒ N☐	
10	Lube Oil	B1-10	155	✓O/C	✓	Y☒ N☐	
11	Turbine Hose Stations	B1-11	155	✓O/C	✓	Y☒ N☐	
12	Turbine Bearings	B1-12	155	✓O/C	✓	Y☒ N☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	165	✓O/C	✓	Y☒ N☐	
2	Ullage Area	B2-2	160	✓O/C	✓	Y☒ N☐	
3	Ullage Structure	B2-11	160	✓O/C	✓	Y☒ N☐	
4	Rack 1 Middle Area	B2-5	160	✓O/C	✓	Y☒ N☐	
5	Overflow Tanks	B2-9	155	✓O/C	✓	Y☒ N☐	
6	Rack 1 South Area	B2-6	160	✓O/C	✓	Y☒ N☐	
7	Rack 1 West	B2-7	160	✓O/C	✓	Y☒ N☐	
8	Rack 1 North Area	B2-4	160	✓O/C	✓	Y☒ N☐	
9	Over flow AFFF	B2-8	160	✓O/C	✓	Y☒ N☐	
10	Expansion Vessel AFFF	B2-3	165	✓O/C	✓	Y☒ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	160	✓O/C	✓	Y☒ N☐	
2	Transformer Main	155	✓O/C	✓	Y☒ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	162	10 O/C	✓	Y☐ N☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	155	✓O/C	✓	Y☒ N☐	
2	Offices	B4-3	155	✓O/C	✓	Y☒ N☐	
3	Electrical Room	B4-4	160	✓O/C	✓	Y☐ N☒	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☒ N☐	✓O/C	
2	Bearing 3	Y☒ N☐	✓O/C	
3	Bearing 4	Y☒ N☐	✓O/C	
4	Bearing 5	Y☒ N☐	✓O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☒ N☐	✓O/C	
2	MP-200A	Y☒ N☐	✓O/C	
3	MP-200B	Y☒ N☐	✓O/C	
4	MP-200C	Y☒ N☐	✓O/C	
5	MP-200D	Y☒ N☐	✓O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	190	O	Y☒ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C✓			
2	Maintenance Shop Drive Way #8	✓O/C			
3	West Side Power Block by VS-3 # 9	✓O/C			
4	West Side Power Block by VS-1 # 10	✓O/C			
5	West Side Cooling Tower by VS-4 # 11	✓O/C			
6	West side Cooling Tower by VS-4 # 12	✓O/C			
7	N.W. Corner Chemical Storage #1	✓O/C			
8	N.E. Corner Chemical Storage # 2	✓O/C			
9	East Side W.T. by Multimedia Filters # 3	✓O/C			
10	East Side W.T. by Multimedia Filters # 5	✓O/C			
11	North Side Bldg 10 # 6	✓O/C			
12	Between MP-444's and Water Treat # 4	O/C✓			
13	West Side Power Block Valve Shed #1	✓O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☐	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information	
Plant: Alpha ☐ Beta ☑	Date: 8/25/24
Operator: Erick C.	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump	
Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑	
Check the jockey pump on pressure drop. Start up pressure: 155	
Discharge Pressure: 155	
Pump Suction Pressure: n/a	Pump Discharge pressure: 160
Comments:	

Electric Pump	
Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑	
Start the pump on pressure drop. Start up pressure: 145.	
Start time: 6:22	
Pump Suction Pressure: 13.	Pump Discharge pressure: 150.
Stop time: 6:32	Total time running 10 min.
Comments:	

Diesel Pump		
Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑		
Fuel level > 2/3: Yes ☑ No ☐	Monthly Fuel Consumption:	
Battery volt Crank 1: 27.0 Battery volt Crank 2: 27.0	Battery Condition: Good	
Starting hour meter: 136.4	Start time: 06:12.	
Oil pressure start: 65 psi	Oil Pressure finish: 72	
Pump Suction Pressure: 18 psi	Pump Discharge pressure: 145.	
Coolant temperature after 30 minutes running: 109 start – 235 psi.		
Stop time: 06:19.	Stop hour meter: 136.5.	Total time running: 7
Comments: 1760 RPM. Charge Air Coder temp out of Range. Engine #1 ECU Address 72.		
Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).		

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

ote: Fuel consumption 27 gal/ h approximately.

ıere is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐	Date: 09-01-24
Operator: Joe Chastain	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑	
Check the jockey pump on pressure drop. Start up pressure: 155 psi	
Discharge Pressure: 165 psi	
Pump Suction Pressure: N/A	Pump Discharge pressure: 165 psi
Comments:	

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑	
Start the pump on pressure drop. Start up pressure: 145	
Start time: 0025	
Pump Suction Pressure: 15 psi	Pump Discharge pressure: 150 psi
Stop time: 0035	Total time running 10min
Comments: Small pin hole suction bottom side of pump	

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☐ Mechanical ☑ Valves ☑ Water Jacket Heater ☐	
Fuel level > 2/3: Yes ☐ No ☑ 1/2	Monthly Fuel Consumption: N/A
Battery volt Crank 1: 26 Battery volt Crank 2: 26	Battery Condition: need cleaning
Starting hour meter: ~~132.5~~ 132.5	Start time: 0050
Oil pressure start: 50	Oil Pressure finish: 41
Pump Suction Pressure: 10 psi	Pump Discharge pressure: 165 psi
Coolant temperature after 30 minutes running: 196	
Stop time: 0100 Stop hour meter: 132.6	Total time running: 10min
Comments:	

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 -"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 9-01-24 Operator Ray

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	150	✓ O/C	✓	Y☑ N☐	
2	SG Unit 2	B1-2	155	✓ O/C	✓	Y☑ N☐	
3	Reheaters	B1-3	155	✓ O/C	✓	Y☑ N☐	
4	Rack 2 West HTF	B1-4	155	✓ O/C	✓	Y☑ N☐	
5	Rack 2 East HTF	B1-5	150	✓ O/C	✓	Y☑ N☐	
6	North Steel Pro	B1-6	155	✓ O/C	✓	Y☑ N☐	
7	HTF Pumps	B1-7	150	✓ O/C	✓	Y☑ N☐	
8	HTF Heaters	B1-8	150	✓ O/C	✓	Y☑ N☐	
9	South Steel Pro	B1-9	155	✓ O/C	✓	Y☑ N☐	
10	Lube Oil	B1-10	150	✓ O/C	✓	Y☐ N☑	
11	Turbine Hose Stations	B1-11	155	✓ O/C	✓	Y☑ N☐	
12	Turbine Bearings	B1-12	151	✓ O/C	✓	Y☑ N☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	856	✓ O/C	✓	Y☑ N☐	
2	Ullage Area	B2-2	150	✓ O/C	✓	Y☑ N☐	
3	Ullage Structure	B2-11	156	✓ O/C	✓	Y☑ N☐	
4	Rack 1 Middle Area	B2-5	155	✓ O/C	✓	Y☑ N☐	
5	Overflow Tanks	B2-9	155	✓ O/C	✓	Y☑ N☐	
6	Rack 1 South Area	B2-6	140	✓ O/C	✓	Y☑ N☐	
7	Rack 1 West	B2-7	155	✓ O/C	✓	Y☑ N☐	
8	Rack 1 North Area	B2-4	150	✓ O/C	✓	Y☑ N☐	
9	Over flow AFFF	B2-8	0	O/C ✓	✓	Y☑ N☐	
10	Expansion Vessel AFFF	B2-3	0	O/C ✓	✓	Y☑ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	155	✓ O/C	✓	Y☑ N☐	
2	Transformer Main	155	✓ O/C	✓	Y☑ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	155	✓ O/C	N	Y☐ N☑	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	155	✓ O/C	✓	Y☑ N☐	
2	Offices	B4-3	153	✓ O/C	✓	Y☐ N☐	
3	Electrical Room	B4-4	155	✓ O/C	✓	Y☑ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☑ N☐	✓ O/C	
2	Bearing 3	Y☑ N☐	✓ O/C	
3	Bearing 4	Y☑ N☐	✓ O/C	
4	Bearing 5	Y☑ N☐	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☑ N☐	✓ O/C	
2	MP-200A	Y☑ N☐	✓ O/C	
3	MP-200B	Y☑ N☐	✓ O/C	
4	MP-200C	Y☑ N☐	✓ O/C	
5	MP-200D	Y☑ N☐	✓ O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	190	✓	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C ✓	✓	09-01	
2	Maintenance Shop Drive Way #8	✓ O/C	✓	09-01	
3	West Side Power Block by VS-3 # 9	✓ O/C	✓	09-01	
4	West Side Power Block by VS-1 # 10	✓ O/C	✓	09-01	
5	West Side Cooling Tower by VS-4 # 11	✓ O/C	✓	09-01	
6	West side Cooling Tower by VS-4 # 12	✓ O/C	✓	09-01	
7	N.W. Corner Chemical Storage #1	✓ O/C	✓	09-01	
8	N.E. Corner Chemical Storage # 2	✓ O/C	✓	09-01	
9	East Side W.T. by Multimedia Filters # 3	✓ O/C	✓	09-01	
10	East Side W.T. by Multimedia Filters # 5	✓ O/C	✓	09-01	
11	North Side Bldg 10 # 6	✓ O/C	✓	09-01	
12	Between MP-444's and Water Treat # 4	O/C ✓	✓	09-01	
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☑	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☐ Beta ☑	Date: 09-02-24
Operator: Jose Garcia	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑	
Check the jockey pump on pressure drop. Start up pressure: 155 PSI	
Discharge Pressure: 165 psi	
Pump Suction Pressure: N/A	Pump Discharge pressure: 165 PSI
Comments:	

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑	
Start the pump on pressure drop. Start up pressure: 145	
Start time: 0016	
Pump Suction Pressure: 15 PSI	Pump Discharge pressure: 150 PSI
Stop time: 0026	Total time running 10min
Comments:	

Diesel Pump

Pre-start Inspection: Coolant ☐ Oil ☐ Mechanical ☐ Valves ☐ Water Jacket Heater ☐	
Fuel level > 2/3: Yes ☐ No ☐	Monthly Fuel Consumption:
Battery volt Crank 1: Battery volt Crank 2:	Battery Condition:
Starting hour meter:	Start time:
Oil pressure start:	Oil Pressure finish:
Pump Suction Pressure:	Pump Discharge pressure:
Coolant temperature after 30 minutes running:	
Stop time: Stop hour meter:	Total time running:
Comments: Not Runing Diesel pump until Futher Notice.	
Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).	

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

ere is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 9/7/24 Operator Jose Ibarra

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	160	✓ O/C	✓	Y ☑ N ☐	
2	SG Unit 2	B1-2	160	✓ O/C	✓	Y ☑ N ☐	
3	Reheaters	B1-3	160	✓ O/C	✓	Y ☑ N ☐	
4	Rack 2 West HTF	B1-4	160	✓ O/C	✓	Y ☑ N ☐	
5	Rack 2 East HTF	B1-5	160	✓ O/C	✓	Y ☑ N ☐	
6	North Steel Pro	B1-6	160	✓ O/C	✓	Y ☑ N ☐	
7	HTF Pumps	B1-7	160	✓ O/C	✓	Y ☑ N ☐	
8	HTF Heaters	B1-8	160	✓ O/C	✓	Y ☑ N ☐	
9	South Steel Pro	B1-9	160	✓ O/C	✓	Y ☑ N ☐	
10	Lube Oil	B1-10	160	✓ O/C	✓	Y ☑ N ☐	
11	Turbine Hose Stations	B1-11	160	✓ O/C	✓	Y ☑ N ☐	
12	Turbine Bearings	B1-12	160	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	160	✓ O/C	✓	Y ☑ N ☐	
2	Ullage Area	B2-2	160	✓ O/C	✓	Y ☑ N ☐	
3	Ullage Structure	B2-11	160	✓ O/C	✓	Y ☑ N ☐	
4	Rack 1 Middle Area	B2-5	160	✓ O/C	✓	Y ☑ N ☐	
5	Overflow Tanks	B2-9	160	✓ O/C	✓	Y ☑ N ☐	
6	Rack 1 South Area	B2-6	160	✓ O/C	✓	Y ☑ N ☐	
7	Rack 1 West	B2-7	166	✓ O/C	✓	Y ☑ N ☐	
8	Rack 1 North Area	B2-4	160	✓ O/C	✓	Y ☑ N ☐	
9	Over flow AFFF	B2-8	0	O/C ✓	✓	Y ☑ N ☐	
10	Expansion Vessel AFFF	B2-3	0	O/C ✓	✓	Y ☑ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	160	✓ O/C	✓	Y ☑ N ☐	
2	Transformer Main	160	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	160	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	160	✓ O/C	✓	Y ☑ N ☐	
2	Offices	B4-3	160	✓ O/C	✓	Y ☑ N ☐	
3	Electrical Room	B4-4	160	✓ O/C	✓	Y ☑ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☑ N ☐	✓ O/C	
2	Bearing 3	Y ☑ N ☐	✓ O/C	
3	Bearing 4	Y ☑ N ☐	✓ O/C	
4	Bearing 5	Y ☑ N ☐	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☐ N ☑	✓ O/C	
2	MP-200A	Y ☑ N ☐	✓ O/C	
3	MP-200B	Y ☑ N ☐	✓ O/C	
4	MP-200C	Y ☑ N ☐	✓ O/C	
5	MP-200D	Y ☑ N ☐	✓ O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	150	O	Y ☑ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	✓ O/C			
2	Maintenance Shop Drive Way #8	✓ O/C			
3	West Side Power Block by VS-3 # 9	✓ O/C			
4	West Side Power Block by VS-1 # 10	✓ O/C			
5	West Side Cooling Tower by VS-4 # 11	✓ O/C			
6	West side Cooling Tower by VS-4 # 12	✓ O/C			
7	N.W. Corner Chemical Storage #1	✓ O/C			
8	N.E. Corner Chemical Storage # 2	✓ O/C			
9	East Side W.T. by Multimedia Filters # 3	✓ O/C			
10	East Side W.T. by Multimedia Filters # 5	✓ O/C			
11	North Side Bldg 10 # 6	✓ O/C			
12	Between MP-444's and Water Treat # 4	O/C ✓			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☑	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☑ Date: 9/8/24 Operator Endt

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	160	✓O/C	✓	Y☑ N☐	
2	SG Unit 2	B1-2	160	✓O/C	✓	Y☑ N☐	
3	Reheaters	B1-3	160	✓O/C	✓	Y☑ N☐	
4	Rack 2 West HTF	B1-4	165	✓O/C	✓	Y☑ N☐	
5	Rack 2 East HTF	B1-5	160	✓O/C	✓	Y☑ N☐	
6	North Steel Pro	B1-6	160	✓O/C	✓	Y☑ N☐	
7	HTF Pumps	B1-7	160	✓O/C	✓	Y☑ N☐	
8	HTF Heaters	B1-8	155	✓O/C	✓	Y☑ N☐	
9	South Steel Pro	B1-9	160	✓O/C	✓	Y☑ N☐	
10	Lube Oil	B1-10	155	✓O/C	✓	Y☑ N☐	
11	Turbine Hose Stations	B1-11	155	✓O/C	✓	Y☑ N☐	
12	Turbine Bearings	B1-12	155	✓O/C	✓	Y☑ N☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	165	✓O/C	✓	Y☑ N☐	
2	Ullage Area	B2-2	165	✓O/C	✓	Y☑ N☐	
3	Ullage Structure	B2-11	160	✓O/C	✓	Y☑ N☐	
4	Rack 1 Middle Area	B2-5	165	✓O/C	✓	Y☑ N☐	
5	Overflow Tanks	B2-9	155	✓O/C	✓	Y☑ N☐	
6	Rack 1 South Area	B2-6	160	✓O/C	✓	Y☑ N☐	
7	Rack 1 West	B2-7	160	✓O/C	✓	Y☑ N☐	
8	Rack 1 North Area	B2-4	160	✓O/C	✓	Y☑ N☐	
9	Over flow AFFF	B2-8	165	✓O/C	✓	Y☑ N☐	
10	Expansion Vessel AFFF	B2-3	165	✓O/C	✓	Y☑ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	160	✓O/C	✓	Y☑ N☐	
2	Transformer Main	160	✓O/C	✓	Y☑ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	160	✓O/C	✓	Y☑ N☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	160	✓O/C	✓	Y☑ N☐	
2	Offices	B4-3	155	✓O/C	✓	Y☑ N☐	
3	Electrical Room	B4-4	155	✓O/C	✓	Y☑ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☑ N☐	✓O/C	
2	Bearing 3	Y☑ N☐	✓O/C	
3	Bearing 4	Y☑ N☐	✓O/C	
4	Bearing 5	Y☑ N☐	✓O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☐ N☑	✓O/C	
2	MP-200A	Y☑ N☐	✓O/C	
3	MP-200B	Y☑ N☐	✓O/C	
4	MP-200C	Y☑ N☐	✓O/C	
5	MP-200D	Y☑ N☐	✓O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	190	O	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C✓			
2	Maintenance Shop Drive Way #8	✓O/C			
3	West Side Power Block by VS-3 # 9	✓O/C			
4	West Side Power Block by VS-1 # 10	✓O/C			
5	West Side Cooling Tower by VS-4 # 11	✓O/C			
6	West side Cooling Tower by VS-4 # 12	✓O/C			
7	N.W. Corner Chemical Storage #1	✓O/C			
8	N.E. Corner Chemical Storage # 2	✓O/C			
9	East Side W.T. by Multimedia Filters # 3	✓O/C			
10	East Side W.T. by Multimedia Filters # 5	✓O/C			
11	North Side Bldg 10 # 6	✓O/C			
12	Between MP-444's and Water Treat # 4	O/C✓			
13	West Side Power Block Valve Shed #1 13	✓O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☐	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☒ Beta ☐	Date: 9.13.24
Operator: Marcelino Saradia	**To be completed each time unit is operated. The NFPA Form AES 5.1must be completed weekly.**

Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: 162

Pump Suction Pressure: — Pump Discharge pressure: —

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 10:59

Pump Suction Pressure: 20 Pump Discharge pressure: 150

Stop time: 2309 Total time running 10

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☐ Oil ☐ Mechanical ☐ Valves ☐ Water Jacket Heater ☐

Fuel level > 2/3: Yes ☐ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: Battery volt Crank 2:	Battery Condition:
Starting hour meter:	Start time:
Oil pressure start:	Oil Pressure finish:
Pump Suction Pressure:	Pump Discharge pressure:

Coolant temperature after 30 minutes running:

Stop time: Stop hour meter: Total run time: January 1st hour meter: Total YTD hours:

Comments:

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

This new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable ann ual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 9/13/24 Operator Antone

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	160	✓ O/C	✓	Y ☑ N ☐	
2	SG Unit 2	B1-2	160	✓ O/C	✓	Y ☑ N ☐	
3	Reheaters	B1-3	160	✓ O/C	✓	Y ☑ N ☐	
4	Rack 2 West HTF	B1-4	155	✓ O/C	✓	Y ☑ N ☐	
5	Rack 2 East HTF	B1-5	160	✓ O/C	✓	Y ☑ N ☐	
6	North Steel Pro	B1-6	155	✓ O/C	✓	Y ☑ N ☐	
7	HTF Pumps	B1-7	160	✓ O/C	✓	Y ☑ N ☐	
8	HTF Heaters	B1-8	160	✓ O/C	✓	Y ☑ N ☐	
9	South Steel Pro	B1-9	160	✓ O/C	✓	Y ☑ N ☐	
10	Lube Oil	B1-10	155	✓ O/C	✓	Y ☑ N ☐	
11	Turbine Hose Stations	B1-11	160	✓ O/C	✓	Y ☑ N ☐	
12	Turbine Bearings	B1-12	160	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	160	✓ O/C	✓	Y ☑ N ☐	
2	Ullage Area	B2-2	160	✓ O/C	✓	Y ☑ N ☐	
3	Ullage Structure	B2-11	155	✓ O/C	✓	Y ☑ N ☐	
4	Rack 1 Middle Area	B2-5	155	✓ O/C	✓	Y ☑ N ☐	
5	Overflow Tanks	B2-9	155	✓ O/C	✓	Y ☑ N ☐	
6	Rack 1 South Area	B2-6	155	✓ O/C	✓	Y ☑ N ☐	
7	Rack 1 West	B2-7	160	✓ O/C	✓	Y ☑ N ☐	
8	Rack 1 North Area	B2-4	160	✓ O/C	✓	Y ☑ N ☐	
9	Over flow AFFF	B2-8	—	O/C X	✓	Y ☑ N ☐	
10	Expansion Vessel AFFF	B2-3	—	O/C X	✓	Y ☑ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	155	✓ O/C	✓	Y ☑ N ☐	
2	Transformer Main	155	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	50	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	160	✓ O/C	✓	Y ☑ N ☐	
2	Offices	B4-3	160	✓ O/C	✓	Y ☑ N ☐	
3	Electrical Room	B4-4	160	✓ O/C	✓	Y ☑ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☑ N ☐	✓ O/C	
2	Bearing 3	Y ☑ N ☐	✓ O/C	
3	Bearing 4	Y ☑ N ☐	✓ O/C	
4	Bearing 5	Y ☑ N ☐	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☑ N ☐	✓ O/C	
2	MP-200A	Y ☑ N ☐	✓ O/C	
3	MP-200B	Y ☑ N ☐	✓ O/C	
4	MP-200C	Y ☑ N ☐	✓ O/C	
5	MP-200D	Y ☑ N ☐	✓ O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	100	✓	Y ☑ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C X			
2	Maintenance Shop Drive Way #8	✓ O/C			
3	West Side Power Block by VS-3 # 9	✓ O/C			
4	West Side Power Block by VS-1 # 10	✓ O/C			
5	West Side Cooling Tower by VS-4 # 11	✓ O/C			
6	West side Cooling Tower by VS-4 # 12	✓ O/C			
7	N.W. Corner Chemical Storage #1	✓ O/C			
8	N.E. Corner Chemical Storage # 2	✓ O/C			
9	East Side W.T. by Multimedia Filters # 3	✓ O/C			
10	East Side W.T. by Multimedia Filters # 5	✓ O/C			
11	North Side Bldg 10 # 6	✓ O/C			
12	Between MP-444's and Water Treat # 4	O/C X			
13	West Side Power Block Valve Shed #1	O/C			Retn only

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☐	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☐ Date: 4/18/24 Operator Taylor

Valve Shed # 1 by Condenser

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	160	✓ O/C	✓	Y ☑ N ☐	
2	SG Unit 2	160	✓ O/C	✓	Y ☑ N ☐	
3	Reheaters	160	✓ O/C	✓	Y ☑ N ☐	
4	Rack 2 West HTF	160	✓ O/C	✓	Y ☑ N ☐	
5	Rack 2 East HTF	160	✓ O/C	✓	Y ☑ N ☐	
6	North Steel Pro	160	✓ O/C	✓	Y ☑ N ☐	
7	HTF Pumps	160	✓ O/C	✓	Y ☑ N ☐	
8	HTF Heaters	160	✓ O/C	✓	Y ☑ N ☐	
9	South Steel Pro	160	✓ O/C	✓	Y ☑ N ☐	
10	Lube Oil	160	✓ O/C	✓	Y ☑ N ☐	
11	Turbine Hose Stations	160	✓ O/C	✓	Y ☑ N ☐	
12	Turbine Bearings	160	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 2 by Overflow

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels A/B2-1	160	✓ O/C	✓	Y ☑ N ☐	
2	Ullage Area A/B2-2	160	✓ O/C	✓	Y ☑ N ☐	
3	Ullage Structure A/B2-11	160	✓ O/C	✓	Y ☑ N ☐	
4	Rack 1 Middle Area A/B2-5	160	✓ O/C	✓	Y ☑ N ☐	
5	Overflow Tanks A/B2-9	160	✓ O/C	✓	Y ☑ N ☐	
6	Rack 1 South Area A/B2-6	160	✓ O/C	✓	Y ☑ N ☐	
7	Rack 1 West A/B2-7	160	✓ O/C	✓	Y ☑ N ☐	
8	Rack 1 North Area A/B2-4	160	✓ O/C	✓	Y ☑ N ☐	
9	Over flow AFFF A/B2-8		O/C		Y ☐ N ☐	
10	Expansion Vessel AFFF A/B2-3		O/C		Y ☐ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	160	✓ O/C		Y ☑ N ☐	
2	Transformer Main	160	✓ O/C		Y ☑ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	160	✓ O/C		Y ☑ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room A/B4-5	160	✓ O/C		Y ☑ N ☐	
2	Offices A/B4-3	160	✓ O/C		Y ☑ N ☐	
3	Electrical Room A/B4-4	160	✓ O/C		Y ☑ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☑ N ☐	✓ O/C	
2	Bearing 3	Y ☑ N ☐	✓ O/C	
3	Bearing 4	Y ☑ N ☐	✓ O/C	
4	Bearing 5	Y ☑ N ☐	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☑ N ☐	✓ O/C	
2	MP-200A	Y ☑ N ☐	✓ O/C	
3	MP-200B	Y ☑ N ☐	✓ O/C	
4	MP-200C	Y ☑ N ☐	✓ O/C	
5	MP-200D	Y ☑ N ☐	✓ O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	190	open	Y ☑ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Warehouse/Maintenance Shop Drive Way #7	O/C ✓			
2	Warehouse/Maintenance Shop Drive Way #8	✓ O/C			
3	West Side Power Block by VS-3 # 9	✓ O/C			
4	West Side Power Block by VS-1 # 10	✓ O/C			
5	West Side Cooling Tower by VS-4 # 11	✓ O/C			
6	West side Cooling Tower by VS-4 # 12	✓ O/C			
7	N.W. Corner Chemical Storage #1	✓ O/C			
8	N.E. Corner Chemical Storage # 2	✓ O/C			
9	East Side W.T. by Multimedia Filters # 3	✓ O/C			
10	East Side W.T. by Multimedia Filters # 5	✓ O/C			
11	North Side Bldg 10 # 6	O/C ✓			
12	Between MP-444's and Water Treat # 4	✓ O/C			
13	Beta Only West Side Power Block Valve Shed #1	✓ O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Reason
1	Transformer Yard Refuse Check	Y ☐ N ☐	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☐ Beta ☑	Date: 9/14/24
Operator: Anthony	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: 162

Pump Suction Pressure: — Pump Discharge pressure: —

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 2257

Pump Suction Pressure: 20 Pump Discharge pressure: 150

Stop time: 2307 Total time running 10 min

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☐ No ☑ Monthly Fuel Consumption: —

Battery volt Crank 1: Battery volt Crank 2:	Battery Condition: Good
Starting hour meter: 136.5	Start time:
Oil pressure start: 1	Oil Pressure finish:

Pump Suction Pressure: Pump Discharge pressure:

Coolant temperature after 30 minutes running:

Stop time: Stop hour meter: Total time running:

Comments:

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐	Date: 9/18/24
Operator: Roy	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☒ Emergency ☒	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 158

Discharge Pressure: 162

Pump Suction Pressure: Pump Discharge pressure:

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure:

Start time: 2107

Pump Suction Pressure: 10 Pump Discharge pressure: 150

Stop time: 2117 Total time running 10 min

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☐ Oil ☐ Mechanical ☐ Valves ☐ Water Jacket Heater ☐

Fuel level > 2/3: Yes ☐ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: Battery volt Crank 2:	Battery Condition:
Starting hour meter:	Start time:
Oil pressure start:	Oil Pressure finish:

Pump Suction Pressure: Pump Discharge pressure:

Coolant temperature after 30 minutes running:

Stop time: Stop hour meter: Total time running:

Comments:

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 -"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☐ Beta ☑	Date: 9/20/24
Operator: Taylor	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☐ Mechanical ☐ Valves ☐

Check the jockey pump on pressure drop. Start up pressure:

Discharge Pressure:

Pump Suction Pressure: Pump Discharge pressure:

Comments: need to be shown

Electric Pump

Pre-start Inspection: Electrical Feed ☐ Mechanical ☐ Valves ☐

Start the pump on pressure drop. Start up pressure:

Start time:

Pump Suction Pressure: Pump Discharge pressure:

top time: Total time running

Comments: need to be shown

Diesel Pump

Pre-start Inspection: Coolant ☐ Oil ☐ Mechanical ☐ Valves ☐ Water Jacket Heater ☐

Fuel level > 2/3: Yes ☐ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: Battery volt Crank 2:	Battery Condition:
Starting hour meter:	Start time:
Oil pressure start:	Oil Pressure finish:

Pump Suction Pressure: Pump Discharge pressure:

Coolant temperature after 30 minutes running:

Stop time: Stop hour meter: Total time running:

Comments: Not Runing until futher notice

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

ote: Fuel consumption 27 gal/ h approximately.

here is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐	Date: 9/20/24
Operator: Antone Phillips	**To be completed each time unit is operated.** **The NFPA Form AES 5.1must be completed weekly.**
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑	
Check the jockey pump on pressure drop. Start up pressure: 155	
Discharge Pressure:	
Pump Suction Pressure:	Pump Discharge pressure:
Comments:	

Electric Pump

Pre-start Inspection: Electrical Feed ☐ Mechanical ☐ Valves ☐	
Start the pump on pressure drop. Start up pressure:	
Start time:	
Pump Suction Pressure:	Pump Discharge pressure:
Stop time:	Total time running
Comments: Failed test, lost Power to fire house	

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑	
Fuel level > 2/3: Yes ☑ No ☐	Monthly Fuel Consumption:
Battery volt Crank 1: 12 Battery volt Crank 2:	Battery Condition: Corrosion
Starting hour meter: 132.6	Start time: 2344
Oil pressure start: 1	Oil Pressure finish: 46
Pump Suction Pressure:	Pump Discharge pressure: 120
Coolant temperature after 30 minutes running: 257	
Stop time: 2354 Stop hour meter:	Total run time: 10 mins January 1st hour meter: Total YTD hours:
Comments:	
Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).	

This new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable ann ual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☑ Date: 9/21/24 Operator Anthony V.

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	—	O/C		Y☐ N☐	valved out
2	SG Unit 2	B1-2	—	O/C		Y☐ N☐	
3	Reheaters	B1-3	155	✓O/C	✓	Y☑ N☐	
4	Rack 2 West HTF	B1-4	160	✓O/C	✓	Y☑ N☐	
5	Rack 2 East HTF	B1-5	160	✓O/C	✓	Y☑ N☐	
6	North Steel Pro	B1-6	[redacted]	[redacted]	[redacted]	[redacted]	valved out
7	HTF Pumps	B1-7	155	✓O/C	✓	Y☑ N☐	
8	HTF Heaters	B1-8	155	✓O/C	✓	Y☑ N☐	
9	South Steel Pro	B1-9	160	✓O/C	✓	Y☑ N☐	
10	Lube Oil	B1-10	155	✓O/C	✓	Y☑ N☐	
11	Turbine Hose Stations	B1-11	155	✓O/C	✓	Y☑ N☐	
12	Turbine Bearings	B1-12	155	✓O/C	✓	Y☑ N☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	165	✓O/C	✓	Y☑ N☐	
2	Ullage Area	B2-2	160	✓O/C	✓	Y☑ N☐	
3	Ullage Structure	B2-11	160	✓O/C	✓	Y☑ N☐	
4	Rack 1 Middle Area	B2-5	160	✓O/C	✓	Y☑ N☐	
5	Overflow Tanks	B2-9	155	✓O/C	✓	Y☑ N☐	
6	Rack 1 South Area	B2-6	160	✓O/C	✓	Y☑ N☐	
7	Rack 1 West	B2-7	160	✓O/C	✓	Y☑ N☐	
8	Rack 1 North Area	B2-4	160	✓O/C	✓	Y☑ N☐	
9	Over flow AFFF	B2-8		O/C		Y☐ N☐	Loto
10	Expansion Vessel AFFF	B2-3		O/C		Y☐ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	160	✓O/C	✓	Y☑ N☐	
2	Transformer Main	155	✓O/C	✓	Y☑ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	160	✓O/C	✓	Y☑ N☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	160	✓O/C	✓	Y☑ N☐	
2	Offices	B4-3	160	✓O/C	✓	Y☑ N☐	
3	Electrical Room	B4-4	160	✓O/C	✓	Y☑ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☑ N☐	✓O/C	
2	Bearing 3	Y☑ N☐	✓O/C	
3	Bearing 4	Y☐ N☑	✓O/C	
4	Bearing 5	Y☐ N☑	✓O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☑ N☐	✓O/C	
2	MP-200A	Y☑ N☐	✓O/C	
3	MP-200B	Y☑ N☐	✓O/C	
4	MP-200C	Y☑ N☐	✓O/C	
5	MP-200D	Y☑ N☐	✓O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	185	open	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	✓O/C			
2	Maintenance Shop Drive Way #8	✓O/C			
3	West Side Power Block by VS-3 # 9	✓O/C			
4	West Side Power Block by VS-1 # 10	✓O/C			
5	West Side Cooling Tower by VS-4 # 11	✓O/C			
6	West side Cooling Tower by VS-4 # 12	✓O/C			
7	N.W. Corner Chemical Storage #1	✓O/C			
8	N.E. Corner Chemical Storage # 2	✓O/C			
9	East Side W.T. by Multimedia Filters # 3	✓O/C			
10	East Side W.T. by Multimedia Filters # 5	✓O/C			
11	North Side Bldg 10 # 6	✓O/C			
12	Between MP-444's and Water Treat # 4	✓O/C			
13	West Side Power Block Valve Shed #1	✓O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☐	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☒ BETA: ☐ Date: 9.21.24 Operator Marcelino S.

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	160	Ø/C	✓	Y ☒ N ☐	
2	SG Unit 2	B1-2	160	Ø/C	✓	Y ☒ N ☐	
3	Reheaters	B1-3	155	Ø/C	✓	Y ☒ N ☐	
4	Rack 2 West HTF	B1-4	160	Ø/C	✓	Y ☒ N ☐	
5	Rack 2 East HTF	B1-5	160	Ø/C	✓	Y ☒ N ☐	
6	North Steel Pro	B1-6	160	Ø/C	✓	Y ☒ N ☐	
7	HTF Pumps	B1-7	160	Ø/C	✓	Y ☒ N ☐	
8	HTF Heaters	B1-8	155	Ø/C	✓	Y ☒ N ☐	
9	South Steel Pro	B1-9	160	Ø/C	✓	Y ☒ N ☐	
10	Lube Oil	B1-10	160	Ø/C	✓	Y ☒ N ☐	
11	Turbine Hose Stations	B1-11	155	Ø/C	✓	Y ☒ N ☐	
12	Turbine Bearings	B1-12	150	Ø/C	✓	Y ☒ N ☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	160	Ø/C	✓	Y ☒ N ☐	
2	Ullage Area	B2-2	155	Ø/C	✓	Y ☒ N ☐	
3	Ullage Structure	B2-11	160	Ø/C	✓	Y ☒ N ☐	
4	Rack 1 Middle Area	B2-5	160	Ø/C	✓	Y ☒ N ☐	
5	Overflow Tanks	B2-9	160	Ø/C	✓	Y ☒ N ☐	
6	Rack 1 South Area	B2-6	160	Ø/C	✓	Y ☒ N ☐	
7	Rack 1 West	B2-7	170	Ø/C	✓	Y ☒ N ☐	
8	Rack 1 North Area	B2-4	160	Ø/C	✓	Y ☒ N ☐	
9	Over flow AFFF	B2-8	—	Ø/C	✓	Y ☒ N ☐	
10	Expansion Vessel AFFF	B2-3	—	O/C	✓	Y ☒ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	155	Ø/C	✓	Y ☒ N ☐	
2	Transformer Main	160	Ø/C	✓	Y ☒ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	160	Ø/C	✓	Y ☒ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	160	Ø/C	✓	Y ☒ N ☐	
2	Offices	B4-3	160	Ø/C	✓	Y ☒ N ☐	
3	Electrical Room	B4-4	155	Ø/C	✓	Y ☒ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☒ N ☐	Ø/C	
2	Bearing 3	Y ☒ N ☐	Ø/C	
3	Bearing 4	Y ☒ N ☐	Ø/C	
4	Bearing 5	Y ☒ N ☐	Ø/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☒ N ☐	Ø/C	
2	MP-200A	Y ☒ N ☐	Ø/C	
3	MP-200B	Y ☒ N ☐	Ø/C	
4	MP-200C	Y ☒ N ☐	Ø/C	
5	MP-200D	Y ☒ N ☐	Ø/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	195	O	Y ☒ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C			
2	Maintenance Shop Drive Way #8	Ø/C			
3	West Side Power Block by VS-3 # 9	Ø/C			
4	West Side Power Block by VS-1 # 10	Ø/C			
5	West Side Cooling Tower by VS-4 # 11	Ø/C			
6	West side Cooling Tower by VS-4 # 12	Ø/C			
7	N.W. Corner Chemical Storage #1	Ø/C			
8	N.E. Corner Chemical Storage # 2	Ø/C			
9	East Side W.T. by Multimedia Filters # 3	Ø/C			
10	East Side W.T. by Multimedia Filters # 5	Ø/C			
11	North Side Bldg 10 # 6	Ø/C			
12	Between MP-444's and Water Treat # 4	O/C			
13	West Side Power Block Valve Shed #1	Ø/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☐	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐	Date: 9/22/24
Operator: Antone Phillips	**To be completed each time unit is operated. The NFPA Form AES 5.1must be completed weekly.**
Reason for running pumps: Weekly test ☐ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☐ Mechanical ☐ Valves ☐

Check the jockey pump on pressure drop. Start up pressure:

Discharge Pressure:

Pump Suction Pressure: Pump Discharge pressure:

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 15 psi

Start time: 2151

Pump Suction Pressure: 5 Pump Discharge pressure: 60

Stop time: 2201 Total time running 10 mins

Comments: A-FPS-AV8-11 leaking by

Diesel Pump

Pre-start Inspection: Coolant ☐ Oil ☐ Mechanical ☐ Valves ☐ Water Jacket Heater ☐

Fuel level > 2/3: Yes ☐ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: Battery volt Crank 2:	Battery Condition:
Starting hour meter:	Start time:
Oil pressure start:	Oil Pressure finish:

Pump Suction Pressure: Pump Discharge pressure:

Coolant temperature after 30 minutes running:

Stop time: Stop hour meter: Total run time: January 1st hour meter: Total YTD hours:

Comments:

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

This new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable ann ual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☐ Beta ☑	Date: 9/27/24
Operator: Taylor	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☐ Mechanical ☐ Valves ☐	
Check the jockey pump on pressure drop. Start up pressure:	
Discharge Pressure:	
Pump Suction Pressure:	Pump Discharge pressure:
Comments: need to be showen	

Electric Pump

Pre-start Inspection: Electrical Feed ☐ Mechanical ☐ Valves ☐	
Start the pump on pressure drop. Start up pressure:	
Start time:	
Pump Suction Pressure:	Pump Discharge pressure:
Stop time:	Total time running
Comments: need to be showen	

Diesel Pump

Pre-start Inspection: Coolant ☐ Oil ☐ Mechanical ☐ Valves ☐ Water Jacket Heater ☐		
Fuel level > 2/3: Yes ☐ No ☐	Monthly Fuel Consumption:	
Battery volt Crank 1:	Battery volt Crank 2:	Battery Condition:
Starting hour meter:		Start time:
Oil pressure start:		Oil Pressure finish:
Pump Suction Pressure:	Pump Discharge pressure:	
Coolant temperature after 30 minutes running:		
Stop time:	Stop hour meter:	Total time running:
Comments: Not Runing until futher notice		
Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).		

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

ote: Fuel consumption 27 gal/ h approximately.

here is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 9.28-24 Operator Marcelino S.

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	160	O/C	✓	Y☑ N☐	
2	SG Unit 2	B1-2	160	O/C	✓	Y☑ N☐	
3	Reheaters	B1-3	160	O/C	✓	Y☑ N☐	
4	Rack 2 West HTF	B1-4	160	O/C	✓	Y☑ N☐	
5	Rack 2 East HTF	B1-5	160	O/C	✓	Y☑ N☐	
6	North Steel Pro	B1-6	160	O/C	✓	Y☑ N☐	
7	HTF Pumps	B1-7	160	O/C	✓	Y☑ N☐	
8	HTF Heaters	B1-8	160	O/C	✓	Y☑ N☐	
9	South Steel Pro	B1-9	160	O/C	✓	Y☑ N☐	
10	Lube Oil	B1-10	160	O/C	✓	Y☑ N☐	
11	Turbine Hose Stations	B1-11	160	O/C	✓	Y☑ N☐	
12	Turbine Bearings	B1-12	160	O/C	✓	Y☑ N☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	155	O/C	✓	Y☑ N☐	
2	Ullage Area	B2-2	180	O/C	✓	Y☑ N☐	
3	Ullage Structure	B2-11	160	O/C	✓	Y☑ N☐	
4	Rack 1 Middle Area	B2-5	155	O/C	✓	Y☑ N☐	
5	Overflow Tanks	B2-9	153	O/C	✓	Y☑ N☐	
6	Rack 1 South Area	B2-6	160	O/C	✓	Y☑ N☐	
7	Rack 1 West	B2-7	185	O/C	✓	Y☑ N☐	
8	Rack 1 North Area	B2-4	160	O/C	✓	Y☑ N☐	
9	Over flow AFFF	B2-8	0	O/C	✓	Y☑ N☐	
10	Expansion Vessel AFFF	B2-3	0	O/C	✓	Y☑ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	160	O/C	✓	Y☑ N☐	
2	Transformer Main	160	O/C	✓	Y☑ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	160	O/C	✓	Y☑ N☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	160	O/C	✓	Y☑ N☐	
2	Offices	B4-3	160	O/C	✓	Y☑ N☐	
3	Electrical Room	B4-4	160	O/C	✓	Y☑ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☑ N☐	O/C	
2	Bearing 3	Y☑ N☐	O/C	
3	Bearing 4	Y☑ N☐	O/C	
4	Bearing 5	Y☑ N☐	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☑ N☐	O/C	
2	MP-200A	Y☑ N☐	O/C	
3	MP-200B	Y☑ N☐	O/C	
4	MP-200C	Y☑ N☐	O/C	
5	MP-200D	Y☑ N☐	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	190	O	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C			
2	Maintenance Shop Drive Way #8	O/C			
3	West Side Power Block by VS-3 # 9	O/C			
4	West Side Power Block by VS-1 # 10	O/C			
5	West Side Cooling Tower by VS-4 # 11	O/C			
6	West side Cooling Tower by VS-4 # 12	O/C			
7	N.W. Corner Chemical Storage #1	O/C			
8	N.E. Corner Chemical Storage # 2	O/C			
9	East Side W.T. by Multimedia Filters # 3	O/C			
10	East Side W.T. by Multimedia Filters # 5	O/C			
11	North Side Bldg 10 # 6	O/C			
12	Between MP-444's and Water Treat # 4	O/C			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☐	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐	Date: 9/29/24
Operator: Antone Phillips	**To be completed each time unit is operated. The NFPA Form AES 5.1must be completed weekly.**
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 148

Discharge Pressure:

Pump Suction Pressure: Pump Discharge pressure:

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 150

Start time: 0023

Pump Suction Pressure: 2 Pump Discharge pressure: 60

Stop time: 0033 Total time running 10 mins

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☐ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: ✓ Battery volt Crank 2:	Battery Condition: 2
Starting hour meter:	Start time: 0009
Oil pressure start: 1	Oil Pressure finish:
Pump Suction Pressure: 3	Pump Discharge pressure: 65
Coolant temperature after 30 minutes running:	
Stop time: 0015 Stop hour meter:	Total run time: 6 mins January 1st hour meter: Total YTD hours:

Comments:

Fuel injection malfunction and High engine temperature

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

This new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable ann ual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☑ Date: 9/29/24 Operator Anthony V.

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	160	✓O/C	✓	Y☑ N☐	
2	SG Unit 2	B1-2	160	✓O/C	✓	Y☑ N☐	
3	Reheaters	B1-3	160	✓O/C	✓	Y☑ N☐	
4	Rack 2 West HTF	B1-4	165	✓O/C	✓	Y☑ N☐	
5	Rack 2 East HTF	B1-5	160	✓O/C	✓	Y☑ N☐	
6	North Steel Pro	B1-6	160	✓O/C	✓	Y☑ N☐	
7	HTF Pumps	B1-7	160	✓O/C	✓	Y☑ N☐	
8	HTF Heaters	B1-8	160	✓O/C	✓	Y☑ N☐	
9	South Steel Pro	B1-9	160	✓O/C	✓	Y☑ N☐	
10	Lube Oil	B1-10	160	✓O/C	✓	Y☑ N☐	
11	Turbine Hose Stations	B1-11	160	✓O/C	✓	Y☑ N☐	
12	Turbine Bearings	B1-12	160	✓O/C	✓	Y☑ N☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	165	✓O/C	✓	Y☑ N☐	
2	Ullage Area	B2-2	165	✓O/C	✓	Y☑ N☐	
3	Ullage Structure	B2-11	160	✓O/C	✓	Y☑ N☐	
4	Rack 1 Middle Area	B2-5	165	✓O/C	✓	Y☑ N☐	
5	Overflow Tanks	B2-9	160	✓O/C	✓	Y☑ N☐	
6	Rack 1 South Area	B2-6	160	✓O/C	✓	Y☑ N☐	
7	Rack 1 West	B2-7	160	✓O/C	✓	Y☑ N☐	
8	Rack 1 North Area	B2-4	160	✓O/C	✓	Y☑ N☐	
9	Over flow AFFF	B2-8		O/C		Y☐ N☐	LOTO
10	Expansion Vessel AFFF	B2-3		O/C		Y☐ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	160	✓O/C	✓	Y☑ N☐	
2	Transformer Main	160	✓O/C	✓	Y☑ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	160	✓O/C	✓	Y☑ N☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	160	✓O/C	✓	Y☑ N☐	
2	Offices	B4-3	160	✓O/C	✓	Y☑ N☐	
3	Electrical Room	B4-4	160	✓O/C	✓	Y☑ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☑ N☐	✓O/C	
2	Bearing 3	Y☑ N☐	✓O/C	
3	Bearing 4	Y☑ N☐	✓O/C	
4	Bearing 5	Y☑ N☐	✓O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☑ N☐	✓O/C	
2	MP-200A	Y☑ N☐	✓O/C	
3	MP-200B	Y☑ N☐	✓O/C	
4	MP-200C	Y☑ N☐	✓O/C	
5	MP-200D	Y☑ N☐	✓O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	190	Open	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	✓O/C			
2	Maintenance Shop Drive Way #8	✓O/C			
3	West Side Power Block by VS-3 # 9	✓O/C			
4	West Side Power Block by VS-1 # 10	✓O/C			
5	West Side Cooling Tower by VS-4 # 11	✓O/C			
6	West side Cooling Tower by VS-4 # 12	✓O/C			
7	N.W. Corner Chemical Storage #1	✓O/C			
8	N.E. Corner Chemical Storage # 2	✓O/C			
9	East Side W.T. by Multimedia Filters # 3	✓O/C			
10	East Side W.T. by Multimedia Filters # 5	✓O/C			
11	North Side Bldg 10 # 6	✓O/C			
12	Between MP-444's and Water Treat # 4	O/C✓			
13	West Side Power Block Valve Shed #1	✓O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☐	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☒ Beta ☐	Date: 10/6/24
Operator: Marcelino Saraboia	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☒ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☐ Mechanical ☐ Valves ☐

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: 162

Pump Suction Pressure: – Pump Discharge pressure: –

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☒ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 2305

Pump Suction Pressure: 15 Pump Discharge pressure: 150

Stop time: 2310 Total time running 10 min

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☐ Oil ☐ Mechanical ☐ Valves ☐ Water Jacket Heater ☐

Fuel level > 2/3: Yes ☐ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: Battery volt Crank 2:	Battery Condition:
Starting hour meter:	Start time:
Oil pressure start:	Oil Pressure finish:

Pump Suction Pressure: Pump Discharge pressure:

Coolant temperature after 30 minutes running:

Stop time: Stop hour meter: Total time running:

Comments: Coolant Below min

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

ere is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 10/6/24 Operator Antonio

Valve Shed # 1 by Condenser

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	160	☑O/C	☑	Y ☑ N ☐	
2	SG Unit 2	160	☑O/C	☑	Y ☑ N ☐	
3	Reheaters	160	☑O/C	☑	Y ☑ N ☐	
4	Rack 2 West HTF	155	☑O/C	☑	Y ☑ N ☐	
5	Rack 2 East HTF	160	☑O/C	☑	Y ☑ N ☐	
6	North Steel Pro	155	☑O/C	☑	Y ☑ N ☐	
7	HTF Pumps	160	☑O/C	☑	Y ☑ N ☐	
8	HTF Heaters	160	☑O/C	☑	Y ☑ N ☐	
9	South Steel Pro	160	☑O/C	☑	Y ☑ N ☐	
10	Lube Oil	160	☑O/C	☑	Y ☑ N ☐	
11	Turbine Hose Stations	160	☑O/C	☑	Y ☑ N ☐	
12	Turbine Bearings	160	☑O/C	☑	Y ☑ N ☐	

Valve Shed # 2 by Overflow

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels A/B2-1	165	☑O/C	☑	Y ☑ N ☐	
2	Ullage Area A/B2-2	165	☑O/C	☑	Y ☑ N ☐	
3	Ullage Structure A/B2-11	160	☑O/C	☑	Y ☑ N ☐	
4	Rack 1 Middle Area A/B2-5	155	☑O/C	☑	Y ☑ N ☐	
5	Overflow Tanks A/B2-9	160	☑O/C	☑	Y ☑ N ☐	
6	Rack 1 South Area A/B2-6	160	☑O/C	☑	Y ☑ N ☐	
7	Rack 1 West A/B2-7	160	☑O/C	☑	Y ☑ N ☐	
8	Rack 1 North Area A/B2-4	160	☑O/C	☑	Y ☑ N ☐	
9	Over flow AFFF A/B2-8	0	☑O/C ☒	☑	Y ☑ N ☐	
10	Expansion Vessel AFFF A/B2-3	0	O/C ☒	☑	Y ☑ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	155	☑O/C	☑	Y ☑ N ☐	
2	Transformer Main	160	☑O/C	☑	Y ☑ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	160	☑O/C	☑	Y ☑ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room A/B4-5	160	☑O/C	☑	Y ☑ N ☐	
2	Offices A/B4-3	155	☑O/C	☑	Y ☑ N ☐	
3	Electrical Room A/B4-4	160	☑O/C	☑	Y ☑ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☑ N ☐	☑O/C	
2	Bearing 3	Y ☑ N ☐	☑O/C	
3	Bearing 4	Y ☑ N ☐	☑O/C	
4	Bearing 5	Y ☑ N ☐	☑O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☑ N ☐	☑O/C	
2	MP-200A	Y ☑ N ☐	☑O/C	
3	MP-200B	Y ☑ N ☐	☑O/C	
4	MP-200C	Y ☑ N ☐	☑O/C	
5	MP-200D	Y ☑ N ☐	☑O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	140	☑	Y ☑ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Warehouse/Maintenance Shop Drive Way #7	O/C ☒			
2	Warehouse/Maintenance Shop Drive Way #8	☑O/C			
3	West Side Power Block by VS-3 # 9	☑O/C			
4	West Side Power Block by VS-1 # 10	☑O/C			
5	West Side Cooling Tower by VS-4 # 11	☑O/C			
6	West side Cooling Tower by VS-4 # 12	☑O/C			
7	N.W. Corner Chemical Storage #1	☑O/C			
8	N.E. Corner Chemical Storage # 2	☑O/C			
9	East Side W.T. by Multimedia Filters # 3	☑O/C			
10	East Side W.T. by Multimedia Filters # 5	☑O/C			
11	North Side Bldg 10 # 6	☑O/C			
12	Between MP-444's and Water Treat # 4	O/C ☒			
13	Beta Only West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris		Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☑		

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☑ Date: 10/6/24 Operator Taylor

Valve Shed # 1 by Condenser

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1 B1-1	160	✓ O/C	✓	Y ☑ N ☐	
2	SG Unit 2 B1-2	160	✓ O/C	✓	Y ☑ N ☐	
3	Reheaters B1-3	160	✓ O/C	✓	Y ☑ N ☐	
4	Rack 2 West HTF B1-4	165	✓ O/C	✓	Y ☑ N ☐	
5	Rack 2 East HTF B1-5	160	✓ O/C	✓	Y ☑ N ☐	
6	North Steel Pro B1-6	160	✓ O/C	✓	Y ☑ N ☐	
7	HTF Pumps B1-7	160	✓ O/C	✓	Y ☑ N ☐	
8	HTF Heaters B1-8	160	✓ O/C	✓	Y ☑ N ☐	
9	South Steel Pro B1-9	160	✓ O/C	✓	Y ☑ N ☐	
10	Lube Oil B1-10	160	✓ O/C	✓	Y ☑ N ☐	
11	Turbine Hose Stations B1-11	160	✓ O/C	✓	Y ☑ N ☐	
12	Turbine Bearings B1-12	160	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 2 by Overflow

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels B2-1	165	✓ O/C	✓	Y ☑ N ☐	
2	Ullage Area B2-2	165	✓ O/C	✓	Y ☑ N ☐	
3	Ullage Structure B2-11	160	✓ O/C	✓	Y ☑ N ☐	
4	Rack 1 Middle Area B2-5	165	✓ O/C	✓	Y ☑ N ☐	
5	Overflow Tanks B2-9	160	✓ O/C	✓	Y ☑ N ☐	
6	Rack 1 South Area B2-6	160	✓ O/C	✓	Y ☑ N ☐	
7	Rack 1 West B2-7	160	✓ O/C	✓	Y ☑ N ☐	
8	Rack 1 North Area B2-4	160	✓ O/C	✓	Y ☑ N ☐	
9	Over flow AFFF B2-8		O/C		Y ☐ N ☐	
10	Expansion Vessel AFFF B2-3		O/C		Y ☐ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	160	✓ O/C	✓	Y ☑ N ☐	
2	Transformer Main	160	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	160	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room B4-5	160	✓ O/C	✓	Y ☑ N ☐	
2	Offices B4-3	160	✓ O/C	✓	Y ☑ N ☐	
3	Electrical Room B4-4	160	✓ O/C	✓	Y ☑ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☑ N ☐	✓ O/C	
2	Bearing 3	Y ☑ N ☐	✓ O/C	
3	Bearing 4	Y ☑ N ☐	✓ O/C	
4	Bearing 5	Y ☑ N ☐	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☑ N ☐	✓ O/C	
2	MP-200A	Y ☑ N ☐	✓ O/C	
3	MP-200B	Y ☑ N ☐	✓ O/C	
4	MP-200C	Y ☑ N ☐	✓ O/C	
5	MP-200D	Y ☑ N ☐	✓ O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	190	open	Y ☑ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C ✓			
2	Maintenance Shop Drive Way #8	✓ O/C			
3	West Side Power Block by VS-3 # 9	✓ O/C			
4	West Side Power Block by VS-1 # 10	✓ O/C			
5	West Side Cooling Tower by VS-4 # 11	✓ O/C			
6	West side Cooling Tower by VS-4 # 12	✓ O/C			
7	N.W. Corner Chemical Storage #1	✓ O/C			
8	N.E. Corner Chemical Storage # 2	✓ O/C			
9	East Side W.T. by Multimedia Filters # 3	✓ O/C			
10	East Side W.T. by Multimedia Filters # 5	✓ O/C			
11	North Side Bldg 10 # 6	✓ O/C			
12	Between MP-444's and Water Treat # 4	O/C ✓			
13	West Side Power Block Valve Shed #1	✓ O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☐	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☐ Beta ☑	Date: 10/7/24
Operator: Anthony V.	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: 163

Pump Suction Pressure: — Pump Discharge pressure: —

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 2315

Pump Suction Pressure: 15 Pump Discharge pressure: 150

Stop time: 2325 Total time running

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☐ Oil ☐ Mechanical ☐ Valves ☐ Water Jacket Heater ☐

Fuel level > 2/3: Yes ☐ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: Battery volt Crank 2:	Battery Condition:
Starting hour meter:	Start time:
Oil pressure start:	Oil Pressure finish:

Pump Suction Pressure: Pump Discharge pressure:

Coolant temperature after 30 minutes running:

Stop time: Stop hour meter: Total time running:

Comments:

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 10/11/24 Operator Jose Garcia

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	A/B1-1	160	O/C		Y☐ N☐	
2	SG Unit 2	A/B1-2	160	O/C		Y☐ N☐	
3	Reheaters	A/B1-3	160	O/C		Y☐ N☐	
4	Rack 2 West HTF	A/B1-4	160	O/C		Y☐ N☐	
5	Rack 2 East HTF	A/B1-5	160	O/C		Y☐ N☐	
6	North Steel Pro	A/B1-6	160	O/C		Y☐ N☐	
7	HTF Pumps	A/B1-7	160	O/C		Y☐ N☐	
8	HTF Heaters	A/B1-8	160	O/C		Y☐ N☐	
9	South Steel Pro	A/B1-9	160	O/C		Y☐ N☐	
10	Lube Oil	A/B1-10	160	O/C		Y☐ N☐	
11	Turbine Hose Stations	A/B1-11	160	O/C		Y☐ N☐	
12	Turbine Bearings	A/B1-12	160	O/C		Y☐ N☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	A/B2-1	160	O/C		Y☐ N☐	
2	Ullage Area	A/B2-2	160	O/C		Y☐ N☐	
3	Ullage Structure	A/B2-11	160	O/C		Y☐ N☐	
4	Rack 1 Middle Area	A/B2-5	160	O/C		Y☐ N☐	
5	Overflow Tanks	A/B2-9	160	O/C		Y☐ N☐	
6	Rack 1 South Area	A/B2-6	160	O/C		Y☐ N☐	
7	Rack 1 West	A/B2-7	160	O/C		Y☐ N☐	
8	Rack 1 North Area	A/B2-4	160	O/C		Y☐ N☐	
9	Over flow AFFF	A/B2-8	0	O/C ✓	✓	Y☑ N☐	1 to out
10	Expansion Vessel AFFF	A/B2-3	0	O/C ✓	✓	Y☑ N☐	" "

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	160	✓ O/C	✓	Y☑ N☐	
2	Transformer Main	160	✓ O/C	✓	Y☑ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	160	✓ O/C	✓	Y☑ N☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	A/B4-5	140	✓ O/C	✓	Y☑ N☐	
2	Offices	A/B4-3	160	✓ O/C	✓	Y☑ N☐	
3	Electrical Room	A/B4-4	160	✓ O/C	✓	Y☑ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☑ N☐	✓ O/C	
2	Bearing 3	Y☑ N☐	✓ O/C	
3	Bearing 4	Y☑ N☐	✓ O/C	
4	Bearing 5	Y☑ N☐	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☐ N☐	✓ O/C	missing Red tics.
2	MP-200A	Y☑ N☐	✓ O/C	
3	MP-200B	Y☑ N☐	✓ O/C	
4	MP-200C	Y☑ N☐	✓ O/C	
5	MP-200D	Y☑ N☐	✓ O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	190	O	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Warehouse/Maintenance Shop Drive Way #7	O/C ✓			
2	Warehouse/Maintenance Shop Drive Way #8	✓ O/C			
3	West Side Power Block by VS-3 # 9	✓ O/C			
4	West Side Power Block by VS-1 # 10	✓ O/C			
5	West Side Cooling Tower by VS-4 # 11	✓ O/C			
6	West side Cooling Tower by VS-4 # 12	✓ O/C			
7	N.W. Corner Chemical Storage #1	✓ O/C			
8	N.E. Corner Chemical Storage # 2	✓ O/C			
9	East Side W.T. by Multimedia Filters # 3	✓ O/C			
10	East Side W.T. by Multimedia Filters # 5	✓ O/C			
11	North Side Bldg 10 # 6	✓ O/C			
12	Between MP-444's and Water Treat # 4	O/C ✓			
13	Beta Only West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☑	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☐ Beta ☑

Date: 10/12/24.

*To be completed each time unit is operated.

Operator: Erick

Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155.

Discharge Pressure: 160

Pump Suction Pressure: n/A Pump Discharge pressure: 160.

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145.

Start time: 19:08

Pump Suction Pressure: 15. Pump Discharge pressure: 150

Stop time: 19:18. Total time running 10

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☑ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: 26.7 Battery volt Crank 2: 26.7 Battery Condition: ✓

Starting hour meter: 136.6 Start time: ECP

Oil pressure start: N/A Oil Pressure finish: N/A.

Pump Suction Pressure: — Pump Discharge pressure: —

Coolant temperature after 30 minutes running: EOP.

Stop time: N/A Stop hour meter: 136.6 Total time running: N/A

Comments:

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

This new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐	Date: 10/12/24
Operator: Erick C.	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: 162

Pump Suction Pressure: N/A Pump Discharge pressure: 162

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 20:15

Pump Suction Pressure: 12 Pump Discharge pressure: 150

Stop time: 20:25 Total time running 10

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☑ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: 26.6 Battery volt Crank 2: 26.6	Battery Condition: ✓
Starting hour meter: 132.7	Start time: N/A
Oil pressure start: N/A —	Oil Pressure finish: —

Pump Suction Pressure: — Pump Discharge pressure: —

Coolant temperature after 30 minutes running: —

Stop time: — Stop hour meter: — Total time running: —

Comments:

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☑ Date: 10/22/24 Operator DieyOR.

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	155	O/C	✓	Y☐ N☐	
2	SG Unit 2	B1-2	160	O/C	✓	Y☐ N☐	
3	Reheaters	B1-3	155	O/C	✓	Y☐ N☐	
4	Rack 2 West HTF	B1-4	160	O/C	✓	Y☐ N☐	
5	Rack 2 East HTF	B1-5	155	O/C	✓	Y☐ N☑	Needs Lock
6	North Steel Pro	B1-6	155	O/C	✓	Y☐ N☐	
7	HTF Pumps	B1-7	155	O/C	✓	Y☐ N☐	
8	HTF Heaters	B1-8	155	O/C	✓	Y☐ N☐	
9	South Steel Pro	B1-9	[illegible]	O/C	✓	Y☐ N☐	160psi
10	Lube Oil	B1-10	158	O/C	✓	Y☐ N☐	
11	Turbine Hose Stations	B1-11	155	O/C	✓	Y☐ N☑	Needs Lock
12	Turbine Bearings	B1-12	155	O/C	✓	Y☐ N☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	160	O/C	✓	Y☐ N☐	
2	Ullage Area	B2-2	155	O/C	✓	Y☐ N☐	
3	Ullage Structure	B2-11	185	O/C	✓	Y☐ N☐	
4	Rack 1 Middle Area	B2-5	155	O/C	✓	Y☐ N☐	
5	Overflow Tanks	B2-9	165	O/C	✓	Y☐ N☐	
6	Rack 1 South Area	B2-6	140	O/C	✓	Y☐ N☐	
7	Rack 1 West	B2-7	160	O/C	✓	Y☐ N☐	
8	Rack 1 North Area	B2-4	160	O/C	✓	Y☐ N☐	
9	Over flow AFFF	B2-8	Ø	O/C	✓	Y☐ N☐	LOTO in place
10	Expansion Vessel AFFF	B2-3	Ø	O/C	✓	Y☐ N☐	LOTO in place

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	155	O/C	✓	Y☐ N☐	
2	Transformer Main	155	O/C	✓	Y☐ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	140	O/C	X	Y☑ N☐	needs Sign.

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	160	O/C	✓	Y☐ N☐	
2	Offices	B4-3	140	O/C	✓	Y☐ N☐	
3	Electrical Room	B4-4	140	O/C	✓	Y☐ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☐ N☐	O/C	
2	Bearing 3	Y☐ N☐	O/C	
3	Bearing 4	Y☐ N☐	O/C	
4	Bearing 5	Y☐ N☐	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☐ N☑	Ø/C	
2	MP-200A	Y☐ N☐	O/C	
3	MP-200B	Y☐ N☐	O/C	
4	MP-200C	Y☐ N☐	O/C	
5	MP-200D	Y☐ N☐	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	185	O	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C			
2	Maintenance Shop Drive Way #8	O/C			
3	West Side Power Block by VS-3 # 9	O/C			[illegible] DK.
4	West Side Power Block by VS-1 # 10	O/C			
5	West Side Cooling Tower by VS-4 # 11	O/C			
6	West side Cooling Tower by VS-4 # 12	O/C			
7	N.W. Corner Chemical Storage #1	O/C			
8	N.E. Corner Chemical Storage # 2	O/C			
9	East Side W.T. by Multimedia Filters # 3	O/C			
10	East Side W.T. by Multimedia Filters # 5	O/C			
11	North Side Bldg 10 # 6	O/C			
12	Between MP-444's and Water Treat # 4	O/C			
13	West Side Power Block Valve Shed #1	O/C			PIV 13

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y☑ N☐	NO Debris

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐	Date: 10/18/24
Operator: Antone Phillips	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: -

Pump Suction Pressure: - Pump Discharge pressure: -

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 2055

Pump Suction Pressure: 2 Pump Discharge pressure: 60

Stop time: 21 Total time running 10min

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☐ Oil ☐ Mechanical ☐ Valves ☐ Water Jacket Heater ☐

Fuel level > 2/3: Yes ☐ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: Battery volt Crank 2:	Battery Condition:
Starting hour meter:	Start time:
Oil pressure start:	Oil Pressure finish:

Pump Suction Pressure: Pump Discharge pressure:

Coolant temperature after 30 minutes running:

Stop time: Stop hour meter: Total time running:

Comments: Mechanics needed ~~needed~~ for test

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

re is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

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Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☒ Date: 10/18/24 Operator: DieyoR

Valve Shed # 1 by Condenser

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1 B1-1	155	O/C	✓	Y☒ N☐	
2	SG Unit 2 B1-2	155	O/C	✓	Y☒ N☐	
3	Reheaters B1-3	160	O/C	✓	Y☒ N☐	
4	Rack 2 West HTF B1-4	160	O/C	✓	Y☒ N☐	
5	Rack 2 East HTF B1-5	155	O/C	✓	Y☐ N☒	needs lock.
6	North Steel Pro B1-6	155	O/C	✓	Y☒ N☐	
7	HTF Pumps B1-7	155	O/C	✓	Y☒ N☐	
8	HTF Heaters B1-8	155	O/C	✓	Y☒ N☐	
9	South Steel Pro B1-9	160	O/C	✓	Y☒ N☐	
10	Lube Oil B1-10	160	O/C	✓	Y☐ N☒	Needs Lock.
11	Turbine Hose Stations B1-11	160	O/C	✓	Y☒ N☐	
12	Turbine Bearings B1-12	160	O/C	✓	Y☒ N☐	

Valve Shed # 2 by Overflow

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels B2-1	160	O/C	✓	Y☐ N☐	
2	Ullage Area B2-2	160	O/C	✓	Y☐ N☐	
3	Ullage Structure B2-11	158	O/C	✓	Y☒ N☐	
4	Rack 1 Middle Area B2-5	160	O/C	✓	Y☐ N☐	
5	Overflow Tanks B2-9	165	O/C	✓	Y☐ N☐	
6	Rack 1 South Area B2-6	160	O/C	✓	Y☐ N☐	
7	Rack 1 West B2-7	160	O/C	✓	Y☐ N☐	
8	Rack 1 North Area B2-4	160	O/C	✓	Y☐ N☐	
9	Over flow AFFF B2-8	0	O/C	✓	Y☐ N☐	under LOTO
10	Expansion Vessel AFFF B2-3	0	O/C	✓	Y☐ N☐	under LOTO

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	155	O/C	✓	Y☐ N☐	
2	Transformer Main	155	O/C	✓	Y☐ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Cooling Tower West Side	160	O/C	X	Y☒ N☐	needs Sign.

Valve Shed # 5 by Control Bldg 10

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room B4-5	160	O/C	✓	Y☐ N☐	
2	Offices B4-3	160	O/C	✓	Y☐ N☐	
3	Electrical Room B4-4	160	O/C	✓	Y☐ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☐ N☐	O/C	
2	Bearing 3	Y☐ N☐	O/C	
3	Bearing 4	Y☐ N☐	O/C	
4	Bearing 5	Y☐ N☐	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☐ N☒	O/C	NO Red Zip Tie
2	MP-200A	Y☐ N☐	O/C	
3	MP-200B	Y☐ N☐	O/C	
4	MP-200C	Y☐ N☐	O/C	
5	MP-200D	Y☐ N☐	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	190	O	Y☒ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C			
2	Maintenance Shop Drive Way #8	O/C			
3	West Side Power Block by VS-3 # 9	O/C			
4	West Side Power Block by VS-1 # 10	O/C			
5	West Side Cooling Tower by VS-4 # 11	O/C			
6	West side Cooling Tower by VS-4 # 12	O/C			
7	N.W. Corner Chemical Storage #1	O/C			
8	N.E. Corner Chemical Storage # 2	O/C			
9	East Side W.T. by Multimedia Filters # 3	O/C			
10	East Side W.T. by Multimedia Filters # 5	O/C			
11	North Side Bldg 10 # 6	O/C			
12	Between MP-444's and Water Treat # 4	O/C			
13	West Side Power Block Valve Shed #1	O/C			PIV 13

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☒	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information	
Plant: Alpha ☐ Beta ☑	Date: 10/20/24
Operator: Erick	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump	
Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑	
Check the jockey pump on pressure drop. Start up pressure: 155	
Discharge Pressure: 162	
Pump Suction Pressure: n/A.	Pump Discharge pressure: 162
Comments:	

Electric Pump	
Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑	
Start the pump on pressure drop. Start up pressure: 145	
Start time: 18:40	
Pump Suction Pressure: 15psi	Pump Discharge pressure: 150
Stop time: 18:50	Total time running 10 min.
Comments:	

Diesel Pump		
Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑		
Fuel level > 2/3: Yes ☑ No ☐	Monthly Fuel Consumption:	
Battery volt Crank 1: 26.7 Battery volt Crank 2: 26.7	Battery Condition: Good.	
Starting hour meter: 136.6	Start time: —	
Oil pressure start: —	Oil Pressure finish: —	
Pump Suction Pressure: —	Pump Discharge pressure: —	
Coolant temperature after 30 minutes running: n/A.		
Stop time: —	Stop hour meter: —	Total time running: —
Comments: EOP		
Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).		

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

here is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 10/20/24 Operator Josey

Valve Shed # 1 by Condenser

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1 A/B1-1	160	✓ O/C	✓	Y ☑ N ☐	
2	SG Unit 2 A/B1-2	160	✓ O/C	✓	Y ☑ N ☐	
3	Reheaters A/B1-3	160	✓ O/C	✓	Y ☑ N ☐	
4	Rack 2 West HTF A/B1-4	160	✓ O/C	✓	Y ☑ N ☐	
5	Rack 2 East HTF A/B1-5	160	✓ O/C	✓	Y ☑ N ☐	
6	North Steel Pro A/B1-6	160	✓ O/C	✓	Y ☑ N ☐	
7	HTF Pumps A/B1-7	160	✓ O/C	✓	Y ☑ N ☐	
8	HTF Heaters A/B1-8	160	✓ O/C	✓	Y ☑ N ☐	
9	South Steel Pro A/B1-9	160	✓ O/C	✓	Y ☑ N ☐	
10	Lube Oil A/B1-10	160	✓ O/C	✓	Y ☑ N ☐	
11	Turbine Hose Stations A/B1-11	160	✓ O/C	✓	Y ☑ N ☐	
12	Turbine Bearings A/B1-12	160	✓ O/C	✓	Y ☑ N ☐	

Valve Shed # 2 by Overflow

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels A/B2-1	160	✓ O/C	✓	Y ☑ N ☐	
2	Ullage Area A/B2-2	160	✓ O/C	✓	Y ☑ N ☐	
3	Ullage Structure A/B2-11	160	✓ O/C	✓	Y ☑ N ☐	
4	Rack 1 Middle Area A/B2-5	160	✓ O/C	✓	Y ☑ N ☐	
5	Overflow Tanks A/B2-9	160	✓ O/C	✓	Y ☑ N ☐	
6	Rack 1 South Area A/B2-6	160	✓ O/C	✓	Y ☑ N ☐	
7	Rack 1 West A/B2-7	160	✓ O/C	✓	Y ☑ N ☐	
8	Rack 1 North Area A/B2-4	160	✓ O/C	✓	Y ☑ N ☐	
9	Over flow AFFF A/B2-8	0	✓ O/C	✓	Y ☑ N ☐	loto out
10	Expansion Vessel AFFF A/B2-3	0	O/C ✓	✓	Y ☐ N ☐	" "

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	160	✓ O/C	✓	Y ☑ N ☐	
2	Transformer Main	160	✓ O/C	✓	Y ☐ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	160	O/C	✓	✓ ☐ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room A/B4-5	160	✓ O/C	✓	Y ☑ N ☐	
2	Offices A/B4-3	160	✓ O/C	✓	Y ☑ N ☐	
3	Electrical Room A/B4-4	160	✓ O/C	✓	Y ☐ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☐ N ☐	✓ O/C	
2	Bearing 3	Y ☑ N ☐	✓ O/C	
3	Bearing 4	Y ☑ N ☐	✓ O/C	
4	Bearing 5	Y ☑ N ☐	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☐ N ☑	✓ O/C	missing Red zip tie
2	MP-200A	Y ☑ N ☐	✓ O/C	
3	MP-200B	Y ☑ N ☐	✓ O/C	
4	MP-200C	Y ☑ N ☐	✓ O/C	
5	MP-200D	Y ☑ N ☐	✓ O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	180	O	Y ☐ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Warehouse/Maintenance Shop Drive Way #7	O/C ✓			
2	Warehouse/Maintenance Shop Drive Way #8	✓ O/C			
3	West Side Power Block by VS-3 # 9	✓ O/C			
4	West Side Power Block by VS-1 # 10	✓ O/C			
5	West Side Cooling Tower by VS-4 # 11	✓ O/C			
6	West side Cooling Tower by VS-4 # 12	✓ O/C			
7	N.W. Corner Chemical Storage #1	✓ O/C			
8	N.E. Corner Chemical Storage # 2	✓ O/C			
9	East Side W.T. by Multimedia Filters # 3	O/C			
10	East Side W.T. by Multimedia Filters # 5	✓ O/C			
11	North Side Bldg 10 # 6	✓ O/C			
12	Between MP-444's and Water Treat # 4	O/C ✓			NOT in service
13	Beta Only West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☐	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☒ Date: 10-25-24 Operator Ebrima

Valve Shed # 1 by Condenser

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1 B1-1	165	✓ O/C	✓	Y☒ N☐	
2	SG Unit 2 B1-2	165	✓ O/C	✓	Y☒ N☐	
3	Reheaters B1-3	165	✓ O/C	✓	Y☒ N☐	
4	Rack 2 West HTF B1-4	165	✓ O/C	✓	Y☒ N☐	
5	Rack 2 East HTF B1-5	165	✓ O/C	✓	Y☒ N☐	
6	North Steel Pro B1-6	165	✓ O/C	✓	Y☒ N☐	
7	HTF Pumps B1-7	165	✓ O/C	✓	Y☒ N☐	
8	HTF Heaters B1-8	165	✓ O/C	✓	Y☒ N☐	
9	South Steel Pro B1-9	165	✓ O/C	✓	Y☒ N☐	
10	Lube Oil B1-10	165	✓ O/C	✓	Y☒ N☐	
11	Turbine Hose Stations B1-11	165	✓ O/C	✓	Y☒ N☐	
12	Turbine Bearings B1-12	165	✓ O/C	✓	Y☒ N☐	

Valve Shed # 2 by Overflow

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels B2-1	170	✓ O/C	✓	Y☒ N☐	
2	Ullage Area B2-2	165	✓ O/C	✓	Y☒ N☐	
3	Ullage Structure B2-11	165	✓ O/C	✓	Y☒ N☐	
4	Rack 1 Middle Area B2-5	170	✓ O/C	✓	Y☒ N☐	
5	Overflow Tanks B2-9	160	✓ O/C	✓	Y☒ N☐	
6	Rack 1 South Area B2-6	160	✓ O/C	✓	Y☒ N☐	
7	Rack 1 West B2-7	160	✓ O/C	✓	Y☒ N☐	
8	Rack 1 North Area B2-4	160	✓ O/C	✓	Y☒ N☐	
9	Over flow AFFF B2-8	—	O/C ✗	✓	Y☒ N☐	Locks
10	Expansion Vessel AFFF B2-3	—	O/C ✗	✓	Y☒ N☐	Locks

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	170	✓ O/C	✓	Y☒ N☐	
2	Transformer Main	160	✓ O/C	✓	Y☒ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	165	✓ O/C	✓	Y☒ N☐	

Valve Shed # 5 by Control Bldg 10

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room B4-5	165	✓ O/C	✓	Y☒ N☐	
2	Offices B4-3	165	✓ O/C	✓	Y☒ N☐	
3	Electrical Room B4-4	165	✓ O/C	✓	Y☒ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☒ N☐	✓ O/C	
2	Bearing 3	Y☒ N☐	✓ O/C	
3	Bearing 4	Y☒ N☐	✓ O/C	
4	Bearing 5	Y☒ N☐	✓ O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☒ N☐	✓ O/C	
2	MP-200A	Y☒ N☐	✓ O/C	
3	MP-200B	Y☒ N☐	✓ O/C	
4	MP-200C	Y☒ N☐	✓ O/C	
5	MP-200D	Y☒ N☐	✓ O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	120	✓	Y☒ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C ✗			
2	Maintenance Shop Drive Way #8	✓ O/C			
3	West Side Power Block by VS-3 # 9	✓ O/C			
4	West Side Power Block by VS-1 # 10	✓ O/C			
5	West Side Cooling Tower by VS-4 # 11	✓ O/C			
6	West side Cooling Tower by VS-4 # 12	✓ O/C			
7	N.W. Corner Chemical Storage #1	✓ O/C			
8	N.E. Corner Chemical Storage # 2	✓ O/C			
9	East Side W.T. by Multimedia Filters # 3	✓ O/C			
10	East Side W.T. by Multimedia Filters # 5	✓ O/C			
11	North Side Bldg 10 # 6	O/C ✗			
12	Between MP-444's and Water Treat # 4	✓ O/C			
13	West Side Power Block Valve Shed #1				

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☒	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 10/25/24 Operator Antonio

Valve Shed # 1 by Condenser

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	160	O/C	✓	Y ☑ N ☐	
2	SG Unit 2	160	O/C	✓	Y ☑ N ☐	
3	Reheaters	160	O/C	✓	Y ☑ N ☐	
4	Rack 2 West HTF	155	O/C	✓	Y ☑ N ☐	
5	Rack 2 East HTF	160	O/C	✓	Y ☑ N ☐	
6	North Steel Pro	155	O/C	✓	Y ☑ N ☐	
7	HTF Pumps	160	O/C	✓	Y ☑ N ☐	
8	HTF Heaters	160	O/C	✓	Y ☑ N ☐	
9	South Steel Pro	160	O/C	✓	Y ☑ N ☐	
10	Lube Oil	160	O/C	✓	Y ☑ N ☐	
11	Turbine Hose Stations	160	O/C	✓	Y ☑ N ☐	
12	Turbine Bearings	160	O/C	✓	Y ☑ N ☐	

Valve Shed # 2 by Overflow

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels A/B2-1	165	O/C	✓	Y ☑ N ☐	
2	Ullage Area A/B2-2	160	O/C	✓	Y ☑ N ☐	
3	Ullage Structure A/B2-11	155	O/C	✓	Y ☑ N ☐	
4	Rack 1 Middle Area A/B2-5	155	O/C	✓	Y ☑ N ☐	
5	Overflow Tanks A/B2-9	155	O/C	✓	Y ☑ N ☐	
6	Rack 1 South Area A/B2-6	160	O/C	✓	Y ☑ N ☐	
7	Rack 1 West A/B2-7	160	O/C	✓	Y ☑ N ☐	
8	Rack 1 North Area A/B2-4	160	O/C	✓	Y ☑ N ☐	
9	Over flow AFFF A/B2-8	0	O/C X	✓	Y ☑ N ☐	
10	Expansion Vessel AFFF A/B2-3	0	O/C X	✓	Y ☐ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	155	O/C	✓	Y ☑ N ☐	
2	Transformer Main	160	O/C	✓	Y ☑ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	160	O/C	✓	Y ☑ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room A/B4-5	165	O/C	✓	Y ☑ N ☐	
2	Offices A/B4-3	160	O/C	✓	Y ☑ N ☐	
3	Electrical Room A/B4-4	160	O/C	✓	Y ☑ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☑ N ☐	O/C	
2	Bearing 3	Y ☑ N ☐	O/C	
3	Bearing 4	Y ☑ N ☐	O/C	
4	Bearing 5	Y ☑ N ☐	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ☑ N ☐	O/C	
2	MP-200A	Y ☑ N ☐	O/C	
3	MP-200B	Y ☑ N ☐	O/C	
4	MP-200C	Y ☑ N ☐	O/C	
5	MP-200D	Y ☑ N ☐	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	190	✓	Y ☑ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Warehouse/Maintenance Shop Drive Way #7	O/C X			
2	Warehouse/Maintenance Shop Drive Way #8	O/C			
3	West Side Power Block by VS-3 # 9	O/C			
4	West Side Power Block by VS-1 # 10	O/C			
5	West Side Cooling Tower by VS-4 # 11	O/C			
6	West side Cooling Tower by VS-4 # 12	O/C			
7	N.W. Corner Chemical Storage #1	O/C			
8	N.E. Corner Chemical Storage # 2	O/C			
9	East Side W.T. by Multimedia Filters # 3	O/C			
10	East Side W.T. by Multimedia Filters # 5	O/C			
11	North Side Bldg 10 # 6	O/C			
12	Between MP-444's and Water Treat # 4	O/C X			
13	Beta Only West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☑	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐	Date: 10/26/24
Operator: Jose Herrera	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑	
Check the jockey pump on pressure drop. Start up pressure: 150 psi	
Discharge Pressure: 165 psi	
Pump Suction Pressure: NA	Pump Discharge pressure: 165
Comments:	

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑	
Start the pump on pressure drop. Start up pressure: 145	
Start time: 1040	
Pump Suction Pressure: 15 psi	Pump Discharge pressure: 150 psi
Stop time: 1050	Total time running 10 min
Comments:	

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑	
Fuel level > 2/3: Yes ☐ No ☑	Monthly Fuel Consumption: NA
Battery volt Crank 1: 24 Battery volt Crank 2: 24	Battery Condition: ✓ need cleaning
Starting hour meter: [illegible] [illegible] 132.7	Start time: 1054
Oil pressure start: 56	Oil Pressure finish: [illegible]
Pump Suction Pressure: [illegible] 10 psi	Pump Discharge pressure: [illegible] 165 psi
Coolant temperature after 30 minutes running: 173°	
Stop time: 1059 Stop hour meter: 132.7	Total time running: 5 min
Comments:	
Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).	

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]