



CT1/CT2 December Update

Rafael Santana
CT Plant Manager
12/4/2024

Exceptional
dispatch and
DA market
awards

November Monthly Starts and Operations

	Forecast	Ghost	Actual	FYTD
• CT1	3	7	6	134
• CT2	0	0	0	41

Unit Outages

CT1 Lodi-

- On 11/1/24 from 1345 thru 1800, unit forced out. Ratchet pump motor intermittent start failures. Replaced motor brushes.
- On 11/6/24 from 1300 thru 1400, Received low SF6 alarm on our main CB52L, 60Kv circuit breaker. Replaced a leaky gauge and topped off breaker. OMS 16890757

CT1 Alameda U1/U2-

- On 11/7/24 from 1000 thru 1200, Telemetry outage for updates. OMS 16897255 & 16897264.

CT2 (STIG) –

- ** Unit is no longer operational, forced outage has been extended thru 12/31/24 @ 2359.**

Cold Weather Standards

■ (NERC) EXTREME COLD WEATHER RELIABILITY STANDARDS EOP-012-2

Reliability Standard EOP-012-1 represents an improvement to the Reliability Standards and enhances the reliable operation of the Bulk-Power System by requiring generator owners to implement freeze protection measures, enhanced cold weather preparedness plans, annual training, implement corrective action plans to address freezing issues, and provide cold weather operating parameters to reliability coordinators, transmission operators, and balancing authorities for use in their resource planning.

- Cold Weather Preparedness Procedures
- Cold Weather Training for CT Staff complete
- Modified Plant Output Ambient Derate Calculator
- Calculator identifies hours when ambient temps and humidity exceed manufacturer's design(<43°F & >65%)
- Operations notifies Dispatch when an icing inlet condition exists

NCPA Combustion Turbine - Predicted Output			
CT	0:00	1:00	2:00
LEC Net MW	293	293	293
Alameda U1 Net MW	24-ICE	24-ICE	24-ICE
Alameda U2 Net MW	24-ICE	24-ICE	24-ICE
Lodi CT1 Net MW	24-ICE	24-ICE	24-ICE
STIG Net MW	47-ICE	47-ICE	47-ICE

November Monthly Operations Cont.

Safety and Environmental

- Safety
 - No issues to report.
- Environmental
 - No issues to report.
 - Certified Unified Program Agency (CUPA) – Inspectors came onsite on 11/21 to review HMBP, SPCC and RMP programs. CUPA inspection is every 3 years.

CT1 Lodi Run Hours

- YTD hours **130.87 of 200** Allowed (based on calendar year)

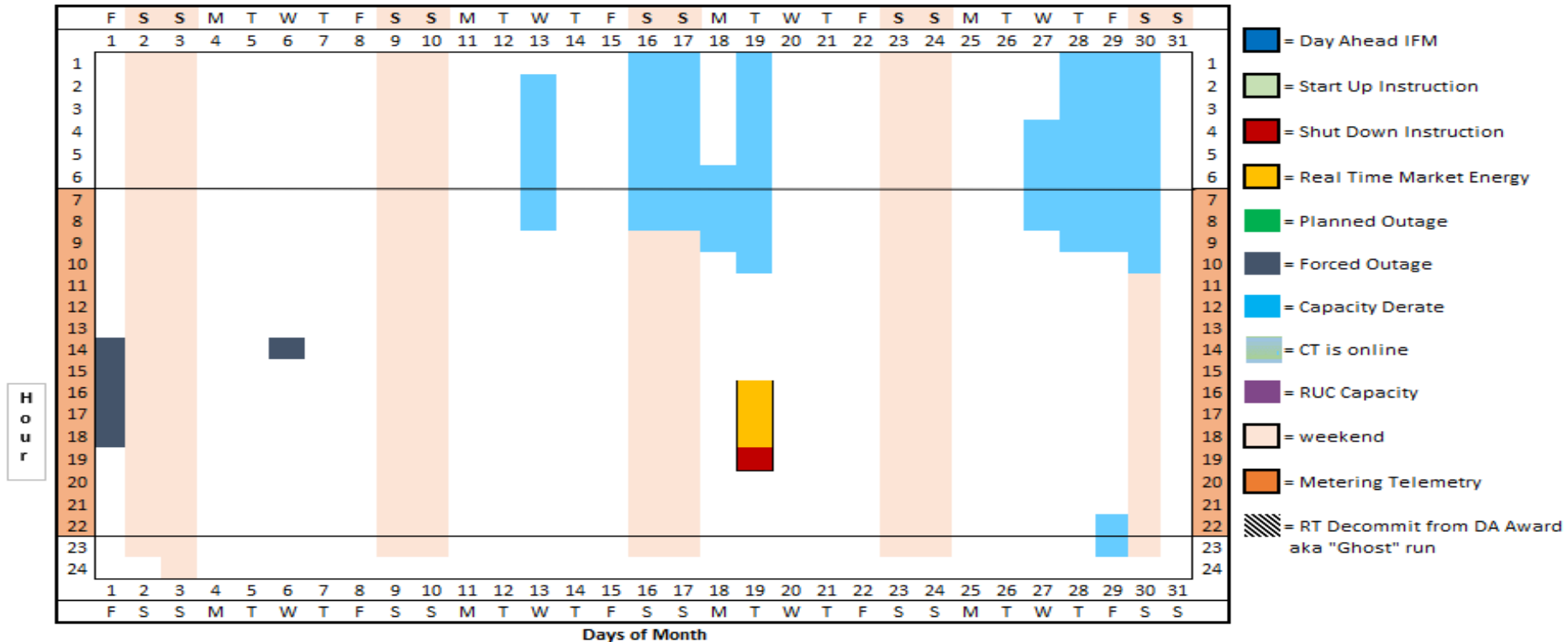
CT1 Alameda Diesel Run Hours

- U1= 6.74 hrs. of 42 (in any consecutive 12 month period)
- U2= 4.14 hrs. of 42 (in any consecutive 12 month period)

Planned Outages

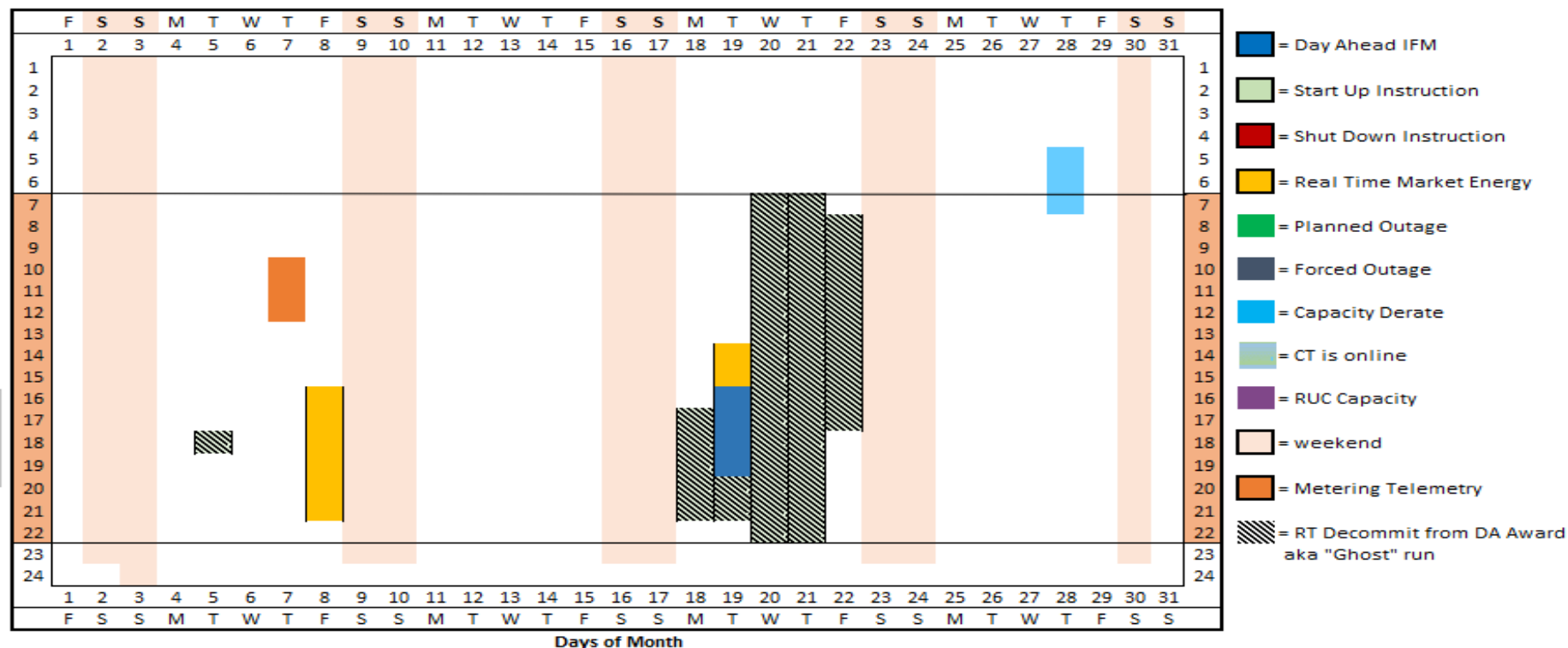
- CT1 Alameda U1/U2- January 1st - 31st, 2025
- CT1 Lodi – May 1st - 31, 2025

LODI25_2_UNIT 1 CT1 Daily CAISO Commitment Runs for November 2024




- CT1 Lodi had two forced outages and one RTM dispatch call.
- NERC Cold Weather Implementation Standard - Capacity derate due to potential icing.

ALMEGT_1_UNIT 1 CT1 Daily CAISO Commitment Runs for November 2024

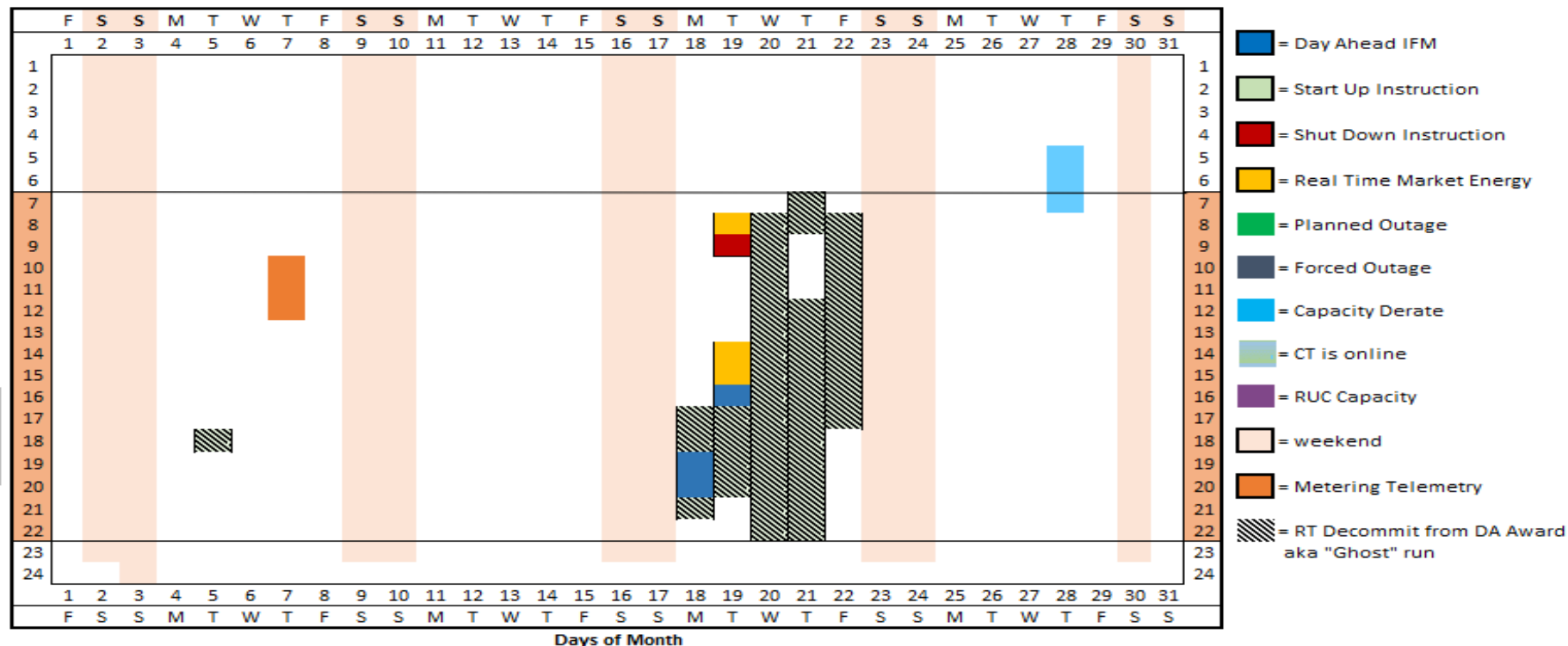


- Alameda U1 received RTM and DAM awards with one Telemetry outage during the month.

 Represents hours where CAISO decommitted the resource in real-time from its awarded day ahead schedule, (Ghost starts).

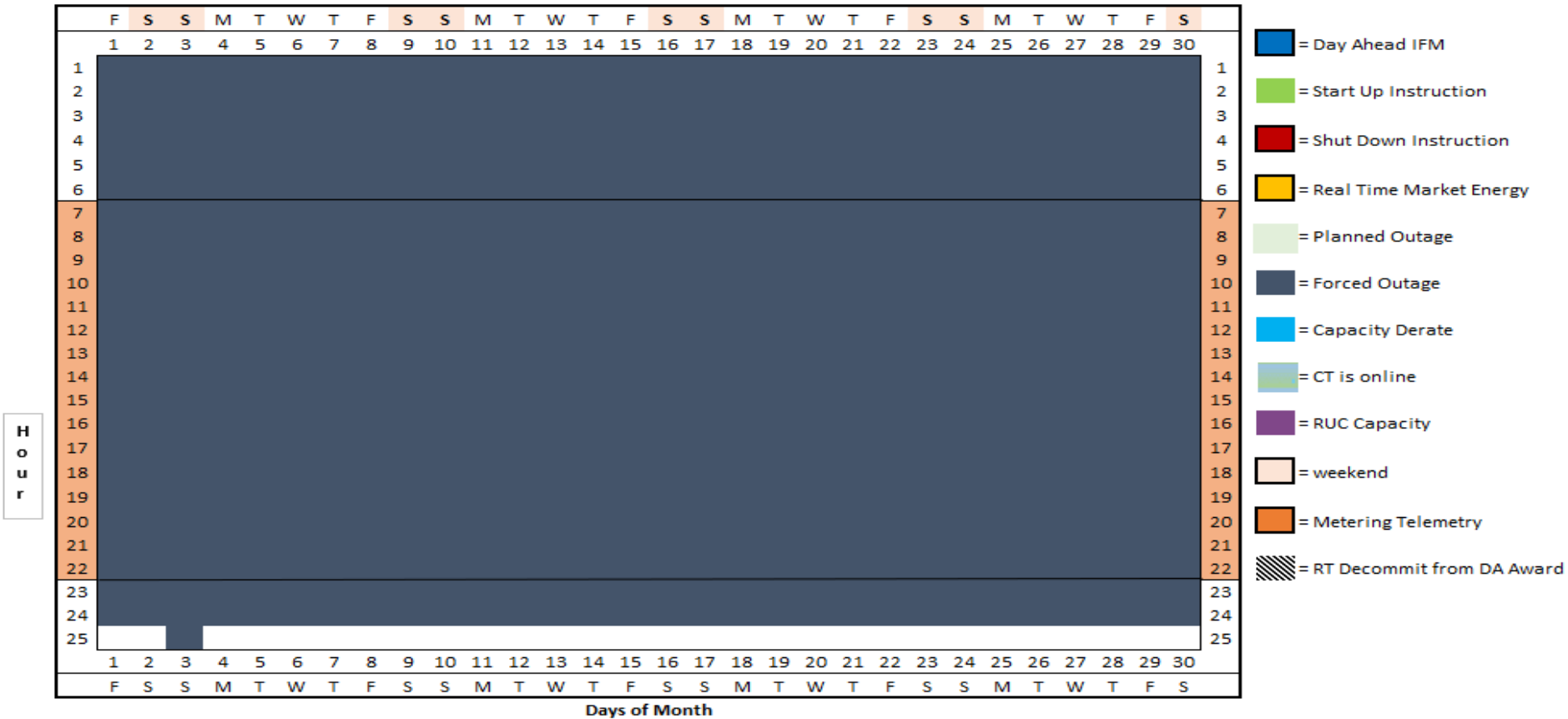
- NERC Cold Weather Implementation Standard - Capacity derate due to potential icing.

ALMEGT_1_UNIT 2 CT1 Daily CAISO Commitment Runs for November 2024



- Alameda U2 received RTM and DAM awards with one Telemetry outage during the month.
- Represents hours where CAISO decommitted the resource in real-time from its awarded day ahead schedule, (Ghost starts).
- NERC Cold Weather Implementation Standard - Capacity derate due to potential icing.

STIG CT2 Daily CAISO Commitment Runs for November 2024

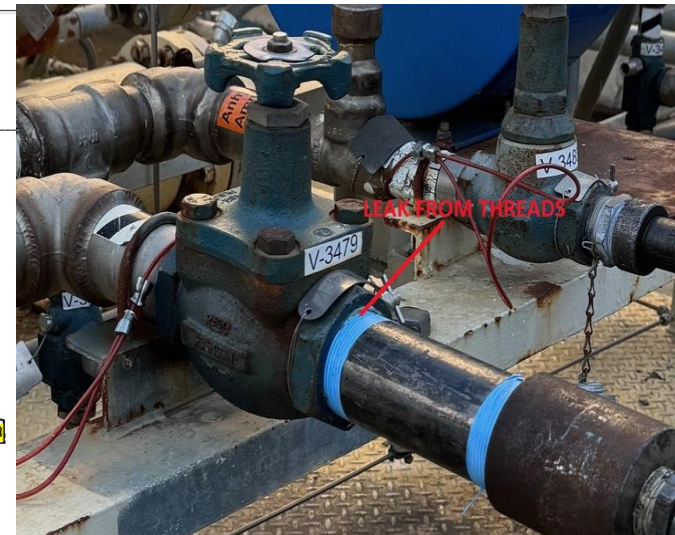
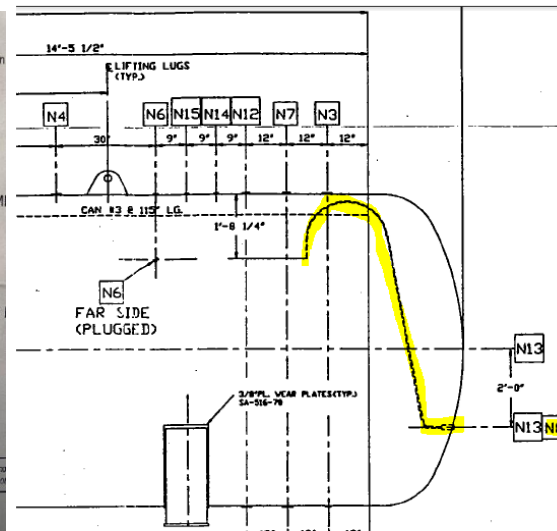
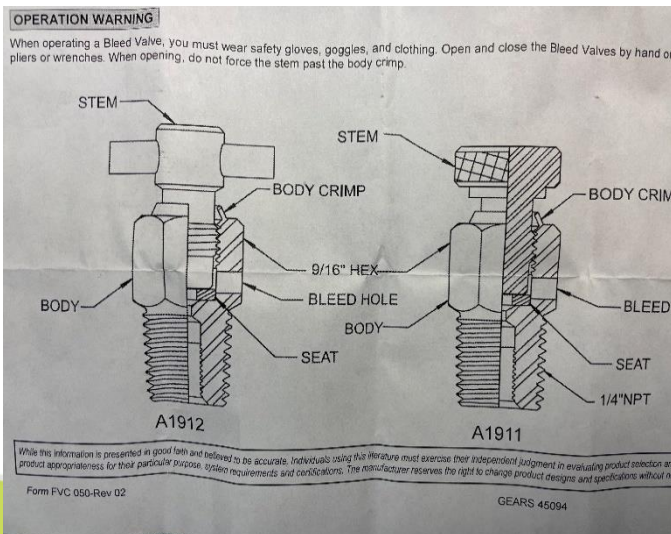


- CT2 Forced out.

CT2 Additional Operational Report

Ammonia Tank

- On 11/15/24, Hill Bros. was onsite early to transfer approximately 4700 gallons of ammonia from our tank to their truck.
- Began offload and the tank liquid unloading valve had a wisp of ammonia leaking from the threads.
- Offload was stopped to address leak and continued with offload.
- Vacuum was pulled on tank to replace needle valve, tank was leak tested and refilled.
- Ammonia regulator to CT2 was blocked off as part of decommissioning.
- Next steps; flush all boiler chemical feed lines and drain boiler for lay up.
- Isolate and blind flange natural gas to GT and file unit dormant status for Air Permit.



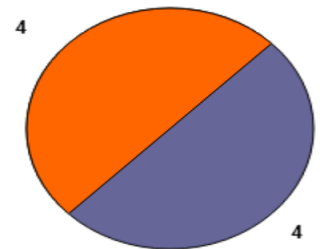
FM Report

FM Inspection Report

The following **Human Element** recommendations have been completed or removed as a result of this evaluation:

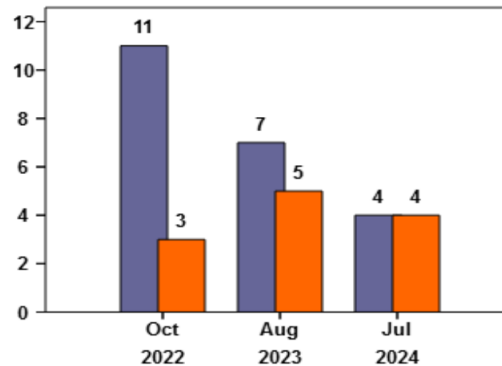
Rec Number	Recommendation Synopsis <i>Reason for Deletion/Completion</i>	Removal Method
21-07-007	Improve the operator lube oil fire emergency response plans.	Completed 01 Jul 24
21-07-013	Physically exercise all post indicator fire sprinkler control valves each month.	Completed 01 Jul 24
21-07-015	Improve the hot work permit program by extending the fire watch times.	Completed 01 Jul 24
23-08-002	Improve the site level emergency response plan for fire.	Completed 01 Jul 24

Human Element Risk Reduction
(Count of Recommendations)



■ Potential Risk Reduction
■ Risk Reduction (Removed Recs)

Human Element Risk Reduction History
(Count of Recommendations)



■ Outstanding ■ Removed

FM Report

FM Inspection Report Cont.

- Improve industrial control systems (ICS) security.
 - Implement monitoring for unauthorized activity or configuration changes. Currently, there is intrusion protection, but no monitoring or alarm for unauthorized activity or configuration changes.
 - Develop Emergency Operating Procedures (EOP).
 - Contingency Planning and Incident Recovery.

The following **Physical** recommendations have been completed or removed as a result of this evaluation:

Rec Number	Recommendation Synopsis <i>Reason for Deletion/Completion</i>	Removal Method
22-10-001A	Replace the elastomeric coupling with a coupling that relies on metal for transmission of torque.	Completed 01 Jul 24
22-10-001B	Properly set the fire pump and jockey pump activation and deactivation pressures.	Completed 01 Jul 24
23-08-001	Extend the passive oil fire hazard protection measures for the ST and CT.	Completed 01 Jul 24

