

SLT - RE SLATE 1 LLC Solar Project
CM_SLT_20240619_011 - CORRECTIVE MAINTENANCE

Status: IN PROGRESS

DETAILS

Projected Start	Jun 19, 2024
Est. Duration	0 days
Start Date	-
End Date	-

ASSIGNED TO

Enrique Murillo

DESCRIPTION

CPUC Slate Solar Generation Audit ** JULY 12TH DEADLINE**

ACTIVITIES

Audit Finding Tracker	Asset: SLT
<i>Activity Description</i>	Complete Audit Finding Tracker
<i>Required Action</i>	Complete all tasks on this WO as well as the following using the the Audit Finding Excel Tracker: - Finding Action Item - Finding completion Date - Finding Proof of completion
<i>Observations / Actions Taken:</i>	
ATTACHMENTS	
SLT_CPUC_Audit_Finding_Tracker_2024.06.18.xlsx GA2024_05SS_SlateSolarAuditReport_.pdf GA2024_05SS_SlateSolarAuditCoverLetter.pdf	

Finding 1 Remediation**Asset: SLT***Activity Description*

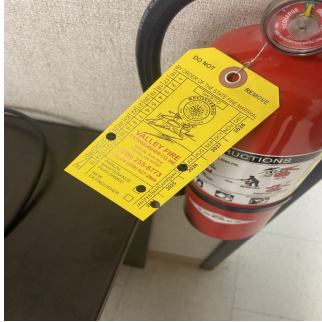
Portable Fire Extinguishers

Required Action

Remediate the following and record in attached excel file: The Plant is not inspecting its portable fire extinguishers.

Observations / Actions Taken:

07/09/2024 - Update has been requested regarding approval status. 07/05/2024 - Update has been requested regarding approval status. 06/26/2024 NA - Valley Fire has inspected 100 Fire Extinguishers at Slate (Please refer to "Finding #2 - Valley Fire Extinguisher Inspection Invoice#90482"). Quote has been received, and SQ has been submitted to E-Storage for 47 Fire Extinguishers. 06/21/2024 NA - Valley Fire is scheduled to arrive on site on June 26th to inspect all fire

ATTACHMENTS[Finding_1_Valley_Fire_Extinguisher_Inspection_Invoice_90482.pdf](#)[Finding_1_O_M_Fire_Extinguisher_Inspection_Tag.jpg](#)

Activity Description
Required Action

Substation Issues Identified
Remediate the following and record in attached excel file: The Plant must address issues identified in its substation. - Locking of Manual Crank switch - Removal of birds nest - SF6 Gas level is low -

Observations / Actions Taken:

07/11/2024 NA - There is 1 remaining nest that will be removed once birds are fully grown and have left the nest. 07/05/2024 NA - Site lead has provided pictures showing that manual crank switch has been locked. 07/04/2024 NA - Site lead has advise that the locks were received. 06/24/2024 NA - Battery Spill Kit has been added to the E-House and includes goggles.

ATTACHMENTS



[Finding_4_Battery_Spill_Kit_Goggles.png](#)



[Finding_4_Crank_Switch_1.jpg](#)



[Finding_4_Crank_Switch_2.jpg](#)



Finding 5 Remediation		Asset: SLT
<i>Activity Description</i>	Substation Infrared Inspections	
<i>Required Action</i>	Remediate the following and record in attached excel file: The Plant must perform infrared inspections of its substation equipment	
<i>Observations / Actions Taken:</i>		
07/08/2024 NA - PM has been completed and PM closed out in REView. 06/28/2024 - Project Management team has added Quarterly Substation inspections to the AMP, and work is scheduled to be completion by 07/08. Please refer to PM_SLT_20240624_005 for completion		
ATTACHMENTS		
Finding_5_Substation_IR_Scans_PM_SLT_20240624_005_.pdf		

Finding 6 Remediation		Asset: SLT
<i>Activity Description</i>	Completion of Report Recommendations and Corrective Actions	
<i>Required Action</i>	Remediate the following and record in attached excel file: The Plant is not addressing recommendations and corrective actions from its reports	
<i>Observations / Actions Taken:</i>		

Finding 7 Remediation		Asset: SLT
<i>Activity Description</i>	SPCC Plan Updates	
<i>Required Action</i>	Remediate the following and record in attached excel file: The Plant's Spill Prevention, Control, and Countermeasure (SPCC) Plan requires updates.	
<i>Observations / Actions Taken:</i>		

Finding 8 Remediation		Asset: SLT
<i>Activity Description</i>	CPUC Added To list Of Government Agencies	
<i>Required Action</i>	Remediate the following and record in attached excel file: The CPUC must be added to the list of Government Agencies requiring notification following an applicable incident	
<i>Observations / Actions Taken:</i>		

Finding 9 Remediation		Asset: SLT
<i>Activity Description</i>	Substation, E-house and Safety Bulletin Board	
<i>Required Action</i>	Remediate the following and record in attached excel file: The Plant is missing safety information in the substation E-House and on its Safety Bulletin Board.	
<i>Observations / Actions Taken:</i>		

Finding 10 Remediation		Asset: SLT
<i>Activity Description</i>	Safety Signage	
<i>Required Action</i>	Remediate the following and record in attached excel file: The Plant requires improved safety signage. 1. signs listing all prohibited items (i.e., no weapons, drugs, alcohol, etc.) 2. NFPA hazard diamond listing the highest hazard category for the chemicals on site 3. vehicle speed limit sign near the entry gate 4. The Plant must consider placing signage on a stationary part of the perimeter fence near the entry gate, so the information is always readable to visitors and personnel	
<i>Observations / Actions Taken:</i>		
07/10/2024 NA - PO has been provided to the vendor for the procurement of these signs. We are also working on ordering a larger Recurrent Energy sign that will be visible from the road.		

Finding 11 Remediation		Asset: SLT
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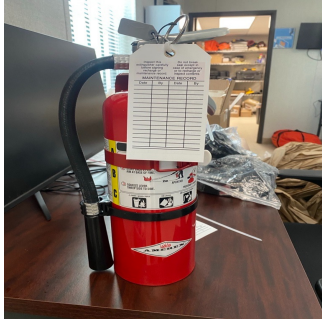
Activity Description
Required Action

Vehicle Safety Equipment
Remediate the following and record in attached excel file: Work vehicles are not adequately equipped with safety and emergency equipment. - Equip trucks with fire extinguisher & spill kit

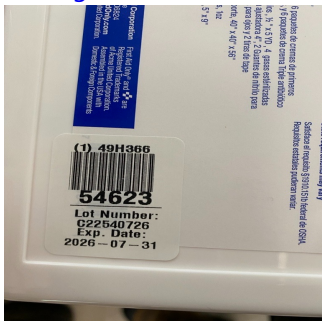
Observations / Actions Taken:

05/30/2024 NA - PO has been sent to Grainger for the procurement of the equipment needed

ATTACHMENTS



[Finding_11_Tech_Vehicle_Fire_Extinguisher.png](#)



[Finding_11_Tech_Vehicle_First_Aid_Kits_Expiration_Dates.png](#)



[Finding_11_Tech_Vehicle_First_Aid_Kits.png](#)

[Finding_11_Vehicle_Spill_Kit_Packing_List.pdf](#)

[Finding_11_Vehicle_First_Aid_Kit_Packing_List.pdf](#)

Finding 12 Remediation		Asset: SLT
<i>Activity Description</i>	LOTO Improvements	
<i>Required Action</i>	Remediate the following and record in attached excel file: The Plant must improve its Lock Out Tag Out (LOTO) documentation and review.	
<i>Observations / Actions Taken:</i>		
Finding 13 Remediation		Asset: SLT
<i>Activity Description</i>	Job Hazard Analysis / Job Safety Analysis Procedures	
<i>Required Action</i>	Remediate the following and record in attached excel file: The Plant is not following its Job Hazard Analysis / Job Safety Analysis procedures.	
<i>Observations / Actions Taken:</i>		
Concerns have been addressed on site, and JSA are to be attached to work orders and tracked on site accordingly.		
Finding 14 Remediation		Asset: SLT
<i>Activity Description</i>	Safety Data Sheet Binder	
<i>Required Action</i>	Remediate the following and record in attached excel file: The Plant must improve the organization of its Safety Data Sheet binder.	
<i>Observations / Actions Taken:</i>		
Finding 15 Remediation		Asset: SLT
<i>Activity Description</i>	Inventory Tracking	
<i>Required Action</i>	Remediate the following and record in attached excel file: The Plant requires improved tracking of its inventory.	
<i>Observations / Actions Taken:</i>		
06/26/2024 - Site team is still working on updating inventory		
Finding 16 Remediation		Asset: SLT
<i>Activity Description</i>	Asset Physical Security	
<i>Required Action</i>	Remediate the following and record in attached excel file: The Plant requires improved physical security of its assets.	
<i>Observations / Actions Taken:</i>		
Finding 17 Remediation		Asset: SLT
<i>Activity Description</i>	Emergency Training Drills	
<i>Required Action</i>	Remediate the following and record in attached excel file: The Plant is not performing emergency training drills	
<i>Observations / Actions Taken:</i>		

Finding 18 Remediation		Asset: SLT
<i>Activity Description</i>	Personnel Training	
<i>Required Action</i>	Remediate the following and record in attached excel file: Plant personnel are not receiving the required training.	
<i>Observations / Actions Taken:</i>		

Finding 19 Remediation		Asset: SLT
<i>Activity Description</i>	Tool Calibrations	
<i>Required Action</i>	Remediate the following and record in attached excel file: The torque wrench needs calibration	

Observations / Actions Taken:
07/10/2024 NA - Quote has been received to calibrate all site torque wrenches and PO process has been started.

ATTACHMENTS

- [Finding_19_Calibration_PO.pdf](#)
- [Finding_19_Calibration_Quote.pdf](#)

CORRECTIVE AND PREVENTIVE ACTION TRACKER

Date	Safety Assurance Activity	Details	Location or Equipment	Nonconformance	Root Cause	Corrective/Preventive Action	Responsible	Progress Updates	Deadline	Deadline Status	Due Days	Action Status	Duration Used	Closing Date
15-Apr-24	External Audit	Generation Audit of State Solar- Audit Number GA2024-0555	These extinguishers are in the Operations and Maintenance (O&M) trailer, in the substation control room, near the Battery Energy Storage System (BESS) inverters, and near transformers	Annual maintenance and monthly inspections not being performed	NC monthly & yearly fire extinguisher inspections	Ensure FE are being inspected monthly & yearly	HSE/O&M	This has been implemented from the Monthly Health and Safety Audit PM that has been implemented in the system. PM_SLT_20240617_012 has also been completed in the system.	15-Aug-24	Deadline Met		Closed	#REF!	
15-Apr-24	External Audit	Generation Audit of State Solar- Audit Number GA2024-0555	Near one of the BESS inverters	The fire extinguisher enclosure lids a way to safely break the glass open	NC monthly facility inspections	Provide device to break glass to access FE	HSE/O&M Ron is working with Jose/Site Lead to collaborate on issues: (Right up a service quote MNB-Nate A.)	Grainger Item 26F177 (Need To Order) Qty: 142 Quote has been requested as follows: PV - 95 BESS - 47 07/10/2024 - 95 breakers have been procured for PV and awaiting approval from E-Storage for the BESS.	16-Jul-24	Deadline Due Soon	5	Open		
15-Apr-24	External Audit	Generation Audit of State Solar- Audit Number GA2024-0555	substation control room	expired eyewash	NC monthly facility inspections	Establish monthly schedule for facility inspections	HSE/O&M (Doc. In Review)	Monthly Health and Safety Audit PM has been implemented in the system. PM_SLT_20240617_012 has also been completed in the system as a reference.	15-Aug-24	Deadline Met		Closed	45397	
15-Apr-24	External Audit	Generation Audit of State Solar- Audit Number GA2024-0555	O&M trailer	expired first aid kit	NC monthly facility inspections	add the eyewash station, first aid kits, and AED to its monthly facility inspection list	HSE/O&M	Implemented on Monthly Health and Safety Audit PM.	15-Aug-24	Deadline Met		Closed	45397	
15-Apr-24	External Audit	Generation Audit of State Solar- Audit Number GA2024-0555	Plant Staff's offices	stores its flammable chemicals on an open shelf in one of the Plant Staff's offices	NC monthly facility inspections	store these flammable chemicals in a flammable storage container/cabinet	HSE	Schedule inspection	15-Aug-24	Deadline Met		Closed	45397	
15-Apr-24	External Audit	Generation Audit of State Solar- Audit Number GA2024-0555	flammable storage container/cabinet	NFPA diamond Flammability Rating 4 not present	NC monthly facility inspections	NFPA diamond placed on or near the flammable storage area is required	HSE/O&M	Schedule inspection	15-Aug-24	Deadline Met		Closed	45397	
15-Apr-24	External Audit	Generation Audit of State Solar- Audit Number GA2024-0555	Health and Safety Plan	Section 6.12 of the Plant's California Health and Safety Plan does not provide any guidance on hazardous chemical storage required by Cal/OSHA Article 309, §5164 Storage of Hazardous Substances	H&S Plan revisions and updates not revised	1. Include Cal/OSHA Article 109, §5164 Storage of Hazardous Substances in the H&S Plan 2. Provide a copy of the procedure 3. Revise H&S plan	HSE/Ron	Included in our new HASP 6.12 (needs to be printed for the site) Ron will add the A109 to the O&M Plan.	16-Jul-24	Deadline Due Soon	5	Open		
15-Apr-24	External Audit	Generation Audit of State Solar- Audit Number GA2024-0555	Plant's substation	The SF6 pressure for the center phase on the high voltage breaker SZU1 is low	NC monthly facility inspections	Recharge the SF6 gas-contractor supplied	HSE/O&M	Gauges are adequate but awaiting final report	15-Aug-24	Deadline Met		Closed	45397	
15-Apr-24	External Audit	Generation Audit of State Solar- Audit Number GA2024-0555	Plant's substation	Manual disconnect switch crank handles not locked	NC monthly facility inspections	Lock manual disconnect switch crank handles	HSE/O&M	Jose has locked the mechanisms and has provided pictures for proof of completion.	15-Aug-24	Deadline Met		Closed	45397	
15-Apr-24	External Audit	Generation Audit of State Solar- Audit Number GA2024-0555	substation control room	The spill kit in the substation control room did not have goggles/eye pro	NC monthly facility inspections	Provide eye protection in Each spill kit	HSE/O&M	Battery Spill kit was provided on site, including safety goggles. This has also been installed.	15-Aug-24	Deadline Met		Closed	45397	
15-Apr-24	External Audit	Generation Audit of State Solar- Audit Number GA2024-0555	Substation perimeter	Bird nests in the transformer fan areas	NC monthly facility inspections	Remove bird nests	HSE/O&M	Still have 1 nest with birds. Awaiting birds to leave before removing.	15-Aug-24	Not Yet Due	35	Open		
15-Apr-24	External Audit	Generation Audit of State Solar- Audit Number GA2024-0555	Substation	No substation equipment testing evidence of annual infrared inspections	NC monthly facility inspections	Perform annual infrared inspections	HSE/O&M	Schedule inspection	15-Aug-24	Deadline Met		Closed	45397	
15-Apr-24	External Audit	Generation Audit of State Solar- Audit Number GA2024-0555	O&M trailer	No copies of the HSE plan available onsite	NC monthly facility inspections	Provide copy of the HSE plan in O&M facility	HSE/O&M Ron is working with Jose/Site Lead to collaborate on issues Ron to revise.	Print the version of HASP (Version 6.12) HSE Team is not aware to the 6.12 version of the plan?	16-Jul-24	Deadline Due Soon	5	Open		
15-Apr-24	External Audit	Generation Audit of State Solar- Audit Number GA2024-0555	O&M trailer	JSA's not filled out properly	NC monthly facility inspections	Provide and review JSA's	HSE/O&M	Schedule inspection	15-Aug-24	Deadline Met		Closed	45397	
4/15/2024	External Audit	Generation Audit of State Solar- Audit Number GA2024-0555	Plant's substation generator step-up transformer	No evidence on test results recommended to retest the oil in six months (oil analysis test results for November 2022 and December 2023) due to identifying high moisture content and some results identified the need to	On December 20, 2023, the Plant had an Internal Health, Safety, and Environment (HSE) audit. Findings from the HSE audit were not corrected	The Plant must promptly evaluate all findings and recommendations from internal and external audits, test records, and other reports that can affect the safety, operations, and maintenance of the Plant.	HSE/O&M	Schedule inspection	15-Aug-24	Deadline Met		Closed	45397	
15-Apr-24	External Audit	Generation Audit of State Solar- Audit Number GA2024-0555	Spill Prevention, Control, and Countermeasure (SPCC) Plan	The Plant's Spill Prevention, Control, and Countermeasure (SPCC) Plan requires updates	H&S Plan revisions and updates not revised	1. The current SPCC plan states there are several double-walled tanks containing thousands of gallons of diesel and gasoline fuel storage on site 2. Audit findings indicated there is no longer fuel stored on site and suspected	HSE/O&M	Schedule inspection	15-Aug-24	Deadline Met		Closed	45397	
15-Apr-24	External Audit	Generation Audit of State Solar- Audit Number GA2024-0555	HSE/Emergency Response Plan	The CPUC must be added to the list of Government Agencies requiring notification following an applicable incident	H&S Plan revisions and updates not revised	The CPUC must be added to the list of Government Agencies requiring notification following an applicable incident	HSE/O&M	Schedule inspection	15-Aug-24	Deadline Met		Closed	45397	

