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Mojave Solar LLC

**42134 Harper Lake Road
Hinkley, California 92347**

Phone: 760 308 0400

Appendix N

HAZ-1

Hazardous Materials List

Mojave Solar LLC

42134 Harper Lake Road
Hinkley, California 92347

Phone: 760 308 0400

Submitted Electronically

Subject: 09-AFC-5C
Condition Number: HAZ 2
Description: Hazardous Materials Business Plan, Emergency Response Plan and Process Safety Management Plan,
Number: HAZ2-11-00

February 16,2024

Ashley Gutierrez, CPM
California Energy Commission
1516 Ninth Street
Sacramento, CA 95814
Ashley.Gutierrez@energy.ca.gov

Ms. Gutierrez,

As required by the California Energy Commission and more specifically by Condition of Certification HAZ-2, attached please find the revised Hazardous Materials Business Plan (HMBP), Spill Prevention, Control, and Countermeasures (SPCC) Plan and Process Safety Management Plan (PSMP) for your review and approval. The approval from San Bernardino County Fire Departments included in the transmittal.

MSP is planning to introduce 11 new chemicals to the site for Boiler/Cooling Water Chemical Treatment and the RO membrane cleaning process due to switching chemical providers. These chemicals have similar properties to the current ones used for their respective applications but are marketed under different names and brand. These chemicals have been added to the chemical inventory through the CERS Website and have been approved.

Additionally, we plan to replace the AFFF 3% with Chemgurd NFF-331 3x3 after repairing the Foam system. Although this change hasn't been reflected in the CERS chemical inventory yet, it will be added after your approval. None of these 12 chemicals are currently on-site.

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Hinkley, California 92347

Phone: 760 308 0400

Here's the list of the 12 new chemicals:

Boiler: BL1260 (O2 Scavenger), BL1794 (Phosphate), BL8411 (Amine), PBL126 (O2 Scavenger)

Cooling Tower: CL5428 (To replace the GenGard GN8004 for cooling Tower), CT790 (To replace Flogard MS6009 for cooling Tower),

Water Treatment: RL 9009 (Antifouling), BL1260 (Sodium Bisulfate), RL2000 (Citric Acid), RL100 (Versene), RL3400 (CIP Basic), RL20232 (CIP Acid), P813E (Polymer or Flocculant).

Fire Protection System: Chemgurd NFF-331 3x3

For your convenience, referenced below is the HAZ-2 CEC Compliance Condition:

HAZ-2: The project owner shall provide a Hazardous Materials Business Plan (HMBP), a Spill Prevention, Control, and Countermeasure Plan (SPCC), and a Process Safety Management Plan (PSMP) to the San Bernardino County Fire Department and the CPM for review. After receiving comments from the San Bernardino County Fire Department and the CPM, the project owner shall reflect all final recommendations in the final documents. Copies of the final HMBP, SPCC, and PSMP shall then be provided to the San Bernardino County Fire Department for information and to the CPM for approval. Verification: At least 60 days prior to receiving any hazardous material on the site for commissioning or operations, the project owner shall provide a copy of a final Hazardous Materials Business Plan, Spill Prevention, Control, and Countermeasure Plan, and a Process Safety Management Plan to the CPM for approval.

Should you have any questions or need any additional information, please do not hesitate to contact me.

Sincerely,

Mahnaz Ghamati

Mojave Solar LLC

42134 Harper Lake Road Phone: 760 308 0400
Hinkley, California 92347

Quality, Environmental & Compliance Manager

ASI Operations LLC

42134 Harper Lake Rd

Hinkley, CA 92347

Cell: (760)498-0549

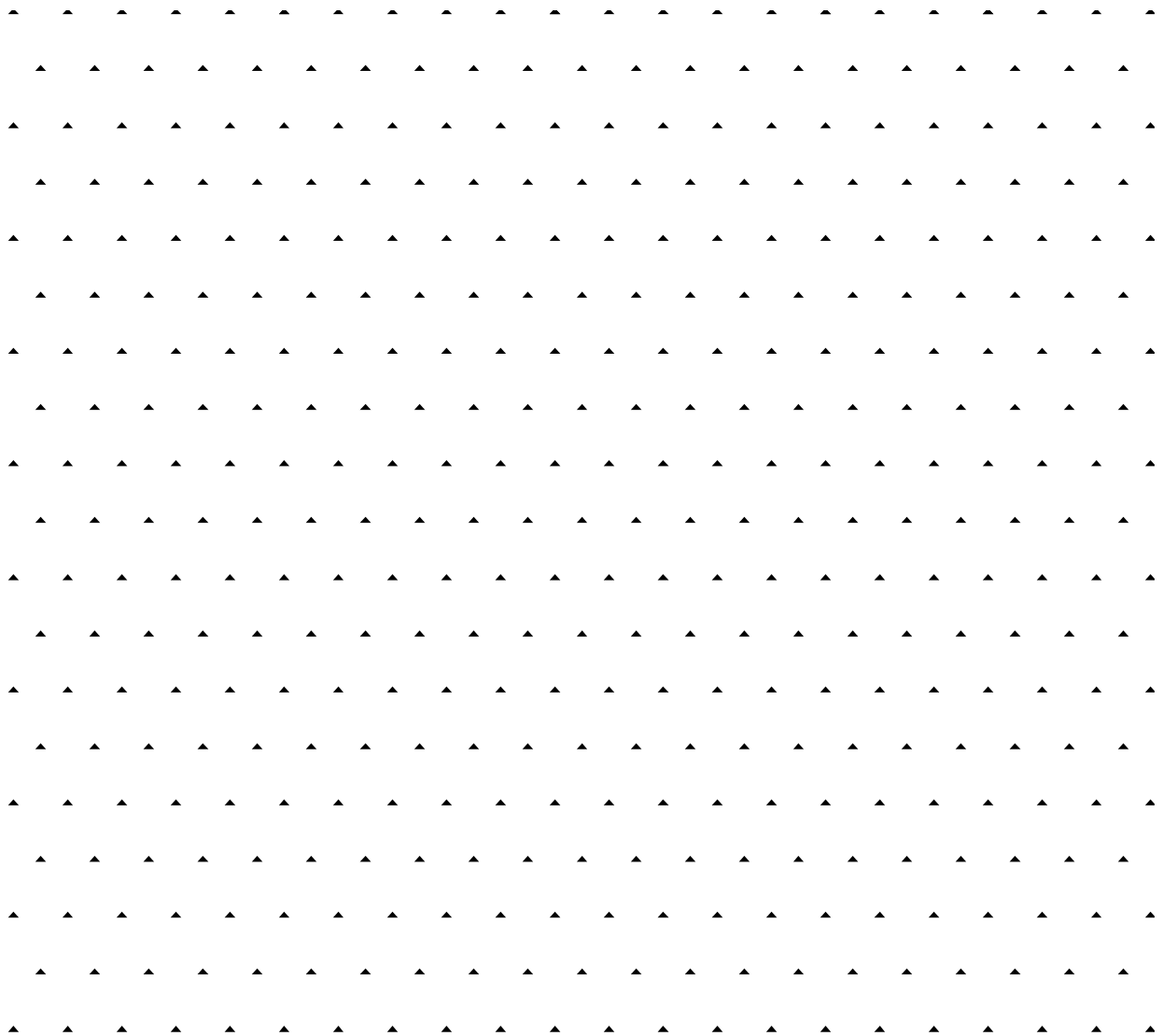
mahnaz.ghamati@atlantica.com

Attachments:

- PP-O&M-MJV-030 Hazardous Material Business Plan, Rev 07
- PP-O&M-MJV-006 Spill Prevention, Control, and Countermeasures (SPCC) Plan, Rev 6
- SP-OM-MJV-087 Process Safety Management (PSM) Plan, Rev 7
- New chemicals SDSs
- San Bernardino County approval included.

Emergency Plan. Hazardous Material Business Plan (HMBP) HAZ-2, Rev7

Operation and Maintenance Plan
PP-O&M-MJV-030



Revision	Date	Reason for Revision
01	06/17/2016	Initial Release (from AEPC document) Update Contact Information for Operations, Update SDS information and material list, other updates applicable to operations
02	06/16/2017	Contact information updated. New facility phone numbers. Plan name changed on the header. (JMBR)
03	11/06/2018	Chemical list updated. Contact information updated. New facility phone numbers (JMBR). Document's internal code changed.
04	02/03/2020	Update to ASI Corporate fonts and Logos. MEL
04	02/19/2020	General review. Spill section (5.4 and 5.5) updated.
05	08/19/2021	Contact information and template update.
06	01/23/2023	Chemical inventory updated
07	01/17/2024	Chemical inventory updated

Produced by:	Department	Date
Jose Manuel Bravo Romero	Q&E Compliance	06/17/2016
Mahnaz Ghamati	Q&E Compliance	01/17/2024

Approved by:	Department	Date
David Rosas	Plant Manager	01/17/2024

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1 Objective

The primary purpose of this plan is to provide readily available information regarding the location, type, and health risks associated with hazardous materials at the Mojave Solar Project. Each business in San Bernardino County that handles, uses, generates or stores hazardous materials is required to comply with State and Federal community right to know laws, and to submit a Hazardous Materials Business Plan (HMBP). The requirement for a HMBP is also contained in Condition of Certification HAZ-2 of the California Energy Commission Permit issued to the Mojave Solar Project (09-AFC-5C):

- **HAZ2** the project owner shall provide a Hazardous Materials Business Plan (HMBP), a Spill Prevention, Control, and Countermeasure Plan (SPCC), and a Process Safety Management Plan (PSMP) to the San Bernardino County Fire Department and the CPM for review. After receiving comments from the San Bernardino County Fire Department and the CPM, the project owner shall reflect all final recommendations in the final documents. Copies of the final HMBP, SPCC, and PSMP shall then be provided to the San Bernardino County Fire Department for information and to the CPM for approval.
- **Verification:** At least 60 days prior to receiving any hazardous material on site for commissioning or operations, the project owner shall provide a copy of a final Hazardous Materials Business Plan, Spill Prevention, Control, Counter measure Plan and a Process Safety Management Plan to the CPM for approval

The Hazardous Materials Division of the San Bernardino County Fire Department is the Administering Agency and the Certified Unified Program Agency (CUPA) for San Bernardino County with responsibility for regulating hazardous materials handlers, hazardous waste generators, underground storage tank facilities, above ground storage tanks, and stationary sources handling regulated substances

1.1 Project Location

Project Name: Mojave Solar Project
Project Address: 42134 Harper Lake Road
City, State: Hinkley, CA
County: San Bernardino



Figure 1: Site Layout Map

1.2 Key Contacts

Primary Site Contact: David Rosas, Plant Manager, (480) 286-6070

Project Owner's Representative: Eduardo Martinez, Asset Manager, (442) 285-8999

EHS Responsible Parties:

Mahnaz Ghamati, Quality and Environmental Compliance Manager, (760) 498-0549

Brandon Barnes, H&S Site Manager, (442) 285-5581

Alpha Control Room, 760-308-0400

2 Definitions

Hazardous Materials - means any chemical, substance or material regulated or governed by any Applicable Permit or Applicable Law, or any substance, emission or material now or hereafter deemed by any Governmental Authority to be a "regulated substance," "hazardous material," "hazardous waste," "hazardous constituent," "hazardous substance," "toxic substance," "radioactive substance" or "pesticide."

MSP – Mojave Solar Project

MSLLC – Mojave Solar LLC

ASIO – ASI Operations, the operations and maintenance organization for MSP

SDS Safety Data Sheet

CEC – California Energy Commission

3 Development

3.1 General Facility Information

Mojave Solar LLC is a wholly owned subsidiary of Atlantica Sustainable Infrastructure, formerly Atlantica Yield. The project uses established parabolic trough solar thermal technology to produce electrical power using a steam turbine generator fed from a solar steam generator. The solar steam generator receives heated heat transfer fluid (HTF) from solar thermal equipment comprised of arrays of parabolic mirrors that collect energy from the sun. The California Energy Commission (CEC) has exclusive jurisdiction to license this project. The Mojave Solar site occupies a 1,765-acre site in an unincorporated area of San Bernardino County near the community of Hinkley, California. The project site is accessed by Harper Lake Road, which is located approximately 20 miles west of Barstow along the Highway 58 corridor. The project site is approximately six miles north of where Harper Lake Road intersects with Highway 58.

The project has a combined gross electric output of 280 MW from twin, independently operable solar fields. Each field feeds a 140 MW power island. One site, known as the Alpha site, is in the northwest portion of the project site and occupies approximately 884 acres. The Beta site is in the southwest portion of the project site and occupies approximately 800 acres. The Alpha and Beta sites will share the remaining area of the project site for activities that include drainage improvements. The collector fields are comprised of single-axis-tracking parabolic trough solar collectors. These collectors are arranged to form many parallel rows aligned on a north-south axis. Each solar collector has a linear, parabolic-shaped reflector that focuses the sun's radiation on a specially designed linear receiver known as a heat collection element (HCE). The collectors track the sun from east to west to ensure that the maximum amount of the sun's radiation is continuously focused on the HCE. The HTF is heated to approximately 740°F as it circulates through the HCEs and returns to a series of heat exchangers where the fluid is used to generate steam in the solar steam generator system at the power island, thereby providing steam to the steam turbine generator.

The project will use a wet cooling tower for power plant cooling. Water for cooling and other plant purposes will come from groundwater obtained from onsite wells, using adjudicated water rights owned by MSLLC. A single treatment facility for each pair of wells treats the groundwater to meet potable standards for employee use. A septic system and onsite leach field is used to dispose of sanitary wastewater. The sun will provide 100 percent. of the power supplied to the project through solar thermal collectors. No supplementary fossil-based energy source such as natural gas is proposed for electrical power production.

Electric freeze-protection heaters supply steam to HTF heat exchangers as needed during offline hours to keep the HTF in a liquid state when ambient temperatures fall below its freezing point of 54° F. Each power island has a diesel engine-driven firewater pump for fire protection and a diesel engine-driven backup generator for power plant essentials. The Mojave Solar electrical transmission lines interconnect with the Southern California Edison (SCE) 220-kV Kramer-Coolwater #1 transmission line, which is located adjacent to the southern border of the site. SCE constructed the new Sandlot Substation and associated facilities (including fiber optic cable routes located outside the site), to interconnect the project to the Kramer–Coolwater 220-kV line.

3.2 General Requirements

- Operations and maintenance personnel must report any spill immediately as stated in the spill report form number P-IMS-003 Incident Report Form and follow Q&E department directions. All operations and maintenance staff are responsible for identifying all hazardous material and waste that can possibly be used or produced during operations and maintenance activities. Operations and maintenance personnel have the appropriate training and are aware of project procedures and requirements in order to perform their work.
- Any subcontractor is responsible for identifying all hazardous material and waste that can possibly be used or produced during service provided at the project site.
- Subcontractors that may be expected to create or could accidentally create a material that could be classified to be hazardous waste shall provide ASIO/MSLLC a copy of their EPA Disposal number (or equivalent).
- Safety Data Sheets (SDS) supplied by the manufacturers, suppliers, contractors, subcontractors, and/or property owner will be the principal source of health hazard information.
- SDS information must be provided by all contractors and suppliers.

- All containers must be appropriately labeled, identifying the material(s), their potential hazard(s), and any personal protective equipment requirements.
- When personnel are working with chemicals, they shall know the following:
 1. Methods and observations that may be used to detect and identify chemicals, such as odor, visual appearance, etc.
 2. The potential health and environmental hazards associated with the chemicals they use.
 3. The location of the applicable SDS information and the format by which they are maintained.
 4. Methods for protection against chemical exposure
- Workers should always review the SDS before working with a new or unknown product.
- Workers should never handle harmful or work near harmful, toxic materials, flammable liquids, or gases until they have been instructed in the safe handling and use of said materials.
- Each Subcontractor is responsible for preparing a plan to control such hazards including compliance and observance to the state and/or federal OSHA Hazard Communication standards. The plan shall be prepared by a competent employee and periodically reviewed for change implementation. For more information refer to the Operations Waste Management Plan and Emergency Response Plan.
- Hazardous materials (or any other materials) **must not** be discharged into sewer systems. For additional information regarding this matter, contact the ASIO safety representative for the proper storage and drainage procedures. Water discharge guidelines will be enclosed within the local permit for the project. In the event of a spill, the subcontractor shall follow appropriate procedures and protocol for spill response and notify the project HS and Environmental representatives. After incident, MSP's site EHS representatives shall follow up with the details regarding level of spill response and appropriate reporting procedures to governmental agencies (reference Emergency Plan, Emergency Response Plan, Incident Investigation, and Reporting Accidents and Injuries and the SPCC plan). ASIO/MSLLC will ensure that subcontractors have the appropriate training and are aware of project procedures and requirements in order to perform their work.

- Outside Storage Lockers built as a separate building set apart from the main facility are acceptable. These lockers must be constructed of material that will be separated from any ignition source and include signage with conspicuous lettering, "FLAMMABLE – Keep Fire Away".
- All hazardous waste or waste which could be considered hazardous waste, as determined by the methodology and definitions from applicable environmental regulators shall be stored and collected in special areas and properly disposed of by contractor and subcontractors. ASIO/MSLLC will supervise all hazardous waste storage and disposal (if any).
- ASIO/MSLLC will perform inspections to ensure materials are being stored according to Applicable Laws.
- ASIO/MSLLC will perform inspections and require from subcontractors that produce and dispose of hazardous waste all information pertinent regarding storing, transportation and the facility where waste will be send to.
- No waste haulers, disposers, recyclers or scavengers shall be allowed on the site without the permission of ASIO/MSLLC.
- No waste may be removed from the site by any person without the authorization of ASIO/MSLLC. No waste may be brought onto the site and disposed of.

3.3 Transportation, Storage and Handling

All materials contained on-site will be stored in appropriate containers protected from environmental conditions, including rain, wind, and direct heat and physical hazards such as vehicle traffic and sources of heat and impact. Additionally, hazardous material storage and management will be in accordance with requirements set forth by the San Bernardino County Fire department (SBCFD), California Energy Commission, DTSC, and CUPA for storage and handling of hazardous materials. Further, site activities would occur according to Cal-OSHA regulatory requirements; therefore, it is not anticipated that the operation of this project will release hazardous emissions generally, it was not foreseen that operation of the project would result in the handling of hazardous or acutely hazardous materials, substances or waste in large quantities. However, if in Large Quantity Generator status, as defined by the U.S. EPA, the requirements that apply to this status will be followed.

The Community Right-to-Know (EPCRA) concerns the environmental and safety hazards posed by the storage and handling of toxic chemicals. Its provisions help increase the public's knowledge and access to information on chemicals at the facilities, their uses, and releases into the environment.

ASIO/MSLLC will not permit any of its subcontractors to directly or indirectly, manufacture, storage, transmission or presence of any hazardous materials on the site, and the release, discharge or other disposal of any hazardous materials on the site, in each case except in accordance with Applicable Law and as required for the performance of the work.

Any hazardous material transportation will be done according to Hazardous Materials Transportation Act (HMTA) that has the objectives to provide adequate protection against the risk to life property inherent in the transportation of hazardous material by improving regulatory and enforcement authority of the Secretary of Transportation. The Safety Management Plan, submitted and approved in accordance with CEC Permit COC HAZ-3, also addresses delivery and handling of liquid hazardous materials. Additionally, TRANS-5 requires that the project owner shall not allow hazardous materials deliveries during non-daylight periods to enhance safety at the rail crossing.

3.4 Actions in response to spills

3.4.1 Spills of HTF

I. In Containment areas (retention basins and secondary containments):

If it is possible, the HTF spill will be collected using a pump or other system and put into adequate containers for liquid substances (metal drums, FIBCs, etc.).

If it is not possible to collect the HTF spill will be cleaned up using absorbents (absorbent blankets, granular mineral absorbent or other absorption system).

If the collected HTF is reusable (it can be returned to the system), the containers used will be adequately labelled. It will be identified as HTF to be reused and, if it is not put into the storage tank immediately, it will be stored at the place designated for this type of reused substances (loading bay, for example) in closed containers.

Once the fluid has been removed, any remaining spilt HTF, which it is impossible to recover will be removed by means of the use of absorbents (absorbent blankets, granular mineral absorbent or other absorption system), eliminating all the remains of HTF.

The waste generated (contaminated absorbents, contaminated HTF or others) will be stored in adequate containers for appropriate management (metal drums, bulk bags), correctly identified by means of labels, and, if necessary, placed on pallets with absorbent blankets in order to ensure safe transfer which avoids contamination during the transfer or storage. The container will be transferred to the plant's waste store.

The affected area will be clear up and cleaned with concentrated cleaning liquid if necessary.

II. In Impermeable areas which are not contained

In the case of spills in impermeable areas which are not contained, the greatest priority is to contain and cut off the spill of HTF by means of retention dykes, tanks and/or barriers formed by absorbents, in order to prevent, insofar as possible, the spill from spreading to areas which are permeable to HTF or contaminating rain or process water systems.

Once the spill has been contained, absorbent will be spread over the affected area. It will be left to act and then removed and put into adequate containers for contaminated absorbents, identified with the corresponding label, which will then be transported to the plant's waste store.

The affected area will be clear up and cleaned with concentrated cleaning liquid if necessary.

III. Permeable areas

In the case of a spill in an area which is not contained, and which is permeable to HTF, the spill must be addressed as quickly as possible by means of barriers of soil/absorbents, so it cannot affect rainwater retention pond/evaporation ponds or gutter and does not contaminate a larger area.

- For spills which have affected a small area:

The spill can be treated using appropriate manual means and spades. The containers used (bulk bags, drums) will be adequate to contain the waste, they will be perfectly identified by means of the corresponding waste label, and they will be removed to the corresponding waste store.

- For spills which have affected a large area:

The main priority is to prevent the spill from affecting rainwater systems, for which all the necessary physical barriers will be used, such as absorbent barriers (soil, sepiolite, etc.), dykes, the placement of pipe shut-off devices or by closing compartments of the solar field. Depending on the size of the affected surface area, mechanical or manual means will be used to clean up the spill. If there are accumulations of HTF or contaminated water, they will be sucked up using bilge pumps (if possible) and/or absorbents until all liquid remains have been removed from the affected soil, before putting the soil into containers.

In the case of plants which have authorized facilities for the bio-remediation of soil or water contaminated with HTF, these substances will be transferred to those facilities for treatment and decontamination

3.4.2 Spills of hazardous substances. Scenario with acids or alkalis.

Whenever there is a spillage of acid (Sulfuric, hydrochloric or others) or alkalis (soda or other alkali substances), it must be dealt with rapidly, effectively and appropriately in order to neutralize it and adequately manage the waste generated. Spills of strong acids and alkalis must be treated as rapidly as possible because both direct contact and the vapors they may generate can cause harm to people, installations and equipment.

The neutralization and cleaning work must be carried out using adequate protective equipment (face mask with breathing protection for organic vapors, coverall, chemical protection boots and gloves).

To coordinate the management of a spill of acid, the following sequence of actions will be carried out:

1. All existing sources of ignition will be eliminated and the personnel will get ready to intervene in the case of a fire. Sulfuric acid reacts violently with alcohol and water, releasing heat, and it also reacts violently or explosively with organic matter, fuels, strong alkalis (sodium hydroxide, potassium hydroxide, etc.), aluminum, peroxides, permanganates, nitrates, chlorine, bromine and fluoride. It also reacts with the majority of metals, producing gaseous hydrogen which is flammable and explosive.
2. The spill will be neutralized with sodium bicarbonate, Soda Ash or another neutralizing agent approved by the authorities, adding it slowly. Never use water or any wet product.
3. Add bicarbonate, if this is the agent used, until the fizzing stops.
4. The spill must never be allowed to reach the drain system. If necessary, the spill must be contained with sand or any other inert material.
5. Once the acid has been neutralized, if possible, the spill will be channeled to the effluent treatment plant or wastewater treatment system of the plant, having first received the go-ahead from the plant's chemical expert, by means of bilge pumps or by opening valves. The parameters of the spill will be monitored (pH, conductivity or another established in the corresponding legal permit) to verify that there is no deviation from any of them.

If it is not possible to channel the spill or treat it in the effluent treatment plant or wastewater management system of the plant, it will be stored in order to be managed as established by the most updated regulation

3.4.3 Spills of hazardous substances. Scenario with other chemical products.

In the case of a spill of a chemical product other than an acid or an alkali, the sequence of actions will be as follows:

1. The designated personnel will do everything possible to detain or contain the leak, using the available environmental protection means. Before going into the area of the accident, you must put on adequate protective equipment (gas-tight safety goggles, mask with breathing protection for organic vapors, safety boots, coverall and chemical protection gloves).
2. If necessary, the safety data sheet of the spilt product must be consulted; that data sheet must be in a place which is accessible for all the personnel.
3. Once the spill has been halted and contained, the affected area must be cordoned off and access by unauthorized personnel restricted.
4. The spill must be contained as quickly as possible, to avoid its dispersion and so it affects the smallest possible surface area. The spill will be treated by means of the application of absorbents (chemical absorbent blankets, sepiolite or similar). In the case of a risk of the spill getting into the rainwater system, it must be contained with absorbent material, and the necessary maneuvers must be carried out (closing sinks, construction of dykes, placement of pipe shut-off devices) to avoid contamination of those waters.
5. Having first received the go-ahead from the plant's chemical officer, and if it is possible, the spill will be diluted with water and directed to the water treatment plant or wastewater treatment system of the plant, where the applicable chemical parameters of the spill will be monitored prior to the final disposal of it. If the volume of the spill is very large, the spill will be removed by means of aspiration and the area will then be cleaned with sepiolite, chemical absorbents or water. Pertinent authority's communication will follow.
6. If waste is generated, it will be put into adequate containers, correctly identified, and subsequently transferred to the plant's waste staging area for transportation and disposal.

3.4.4 Spills of hazardous substances. Scenario with diesel or mineral

In the case of a spill of diesel or mineral oil, the procedure will be as follows:

1. The designated personnel will do everything possible to halt or contain the leak, using the available environmental protection means. Before going into the area of the

accident, you must assess the potential risk and put on adequate protective equipment (gas-tight safety goggles, safety boots, coverall and protective gloves).

2. Remove any source of ignition from the area.
3. The spill must be contained as quickly as possible, to avoid its dispersion and so it affects the smallest possible surface area. In the case of a risk of the spill getting into the drainage system, it must be contained with absorbent material, and the necessary maneuvers must be carried out (closing sink valves) to avoid contamination of those systems.
4. If possible, the spill will be removed through aspiration and the area will be cleaned with chemical absorbents (absorbents for oils will be used only in the case of a spill of oils or hydrocarbons). If this is not possible, the spill will be treated by means of the application of absorbents and mechanically. The waste generated will be put into adequate containers, correctly identified, and transferred to the hazardous waste staging area.

3.4.5 Action in response to emission into the atmosphere

If there is a fire and/or explosion with any gas or HTF, the emergency plan or equivalent will be activated, and its directions will be followed.

3.5 Prevention and Containment Measures

3.5.1 Preventing measures

Environmental training: All personnel, both in-house and subcontracted, will receive environmental training and awareness-program. This training will be given by the personnel of the solar plant's Environmental Department whenever this is considered necessary, in order to ensure the implementation and monitoring of the Environmental Management System.

Drills: An annual program of drills including health, safety and the environment will be drawn up. In the carrying-out of these drills, the response capacity to an environmental accident will be evaluated and the strengths and weaknesses in decision-making and the execution of actions carried out during the emergency situation will be identified.

3.5.2 Containment measures

If there are portable spill-kits at the plant, these will be used to contain chemical products, oils or HTF in the case of spills

Likewise, there are environmental emergency points distributed around the different plants for use in the case of any accident.

3.5.2.1 Spill Kit Location

The Spill Kits are distributed around the plant, accessible to plant personnel for first spills responders.

These environmental emergency kits are at places near the areas with risk of spillage or leak. Therefore, at least, they must be located near the HTF area, the chemical products store, the hazardous waste store, chemical dosing and the turbine system.

The containers must be identified and the materials they must contain, at the very least, will be:

- Absorbent blankets.
- Granular industrial absorbent.
- Bicarbonate or other pH neutralization system at those points close to chemical dosing or stores where there are acids or alkalis.

In addition, there will be available a specific emergency kit at the plant for any serious or very serious emergency situations which could occur in the solar field or the power block. At least, blankets, granular absorbent material, portable tanks or buckets and metal drums must be available.

3.6 Disposal of Hazardous Waste

An "EPA disposal Identification (ID) number" must be provided by any producer and disposer of any kind of hazardous materials classified according to California laws.

The disposal of hazardous waste (e.g. used oil, gasoline spill, motor oil spill, etc.) will be done according to DTSC regulations which establish rules governing the use of hazardous materials and the management of hazardous waste. Applicable state and local laws include the following:

- Public Safety/Fire Regulations/Building Codes
- Hazardous Waste Control Law
- Hazardous Substances Information and Training Act

3.7 Notice of Hazardous Materials

If discovered, encountered or is notified of any spill or release of any Hazardous Materials at the Site:

- Quality and Environmental Compliance Manager and H&S Manager shall be notified immediately.
- Notification to CA Emergency Management Agency, CEC shall be provided.
- Site Owner (Mojave Solar LLC) shall be notified upon receiving knowledge of release.

- Quality and Environmental Compliance Manager / H&S Manager shall restrict access to the area containing such hazardous materials as required by Applicable Law or Applicable Permits.
- If applicable, the Subcontractor responsible from bringing such hazardous materials onto the Site or generated such material is responsible for remediating such hazardous materials under this document and immediately notifying the Quality and Environmental Compliance Manager/designee and H&S Manager/designee. The responsible party shall promptly contain and remediate the material in accordance with all Applicable Laws and Applicable Permits (to the extent the Applicable Permits relate to the Work).

3.7.1 Local Emergency Contacts

In the event of a release or threatened release of a hazardous material the following site personnel and agencies shall be notified:

Name / Emergency Response	Phone Numbers
Project Q&E Manager	760-498-0549
Project HS Manager	442- 285-5581
Plant Manager	480- 286-6070
Alpha Control Room	760-308-0400
Local Emergency Response Agencies	9-1-1
Hazardous Materials Division	1-800-33-TOXIC or (909) 386- 8425
California State Warning Center (CSWC)/CAL OES.	(800) 852-7550 or (916) 262-1621
National Response Center	(800) 424-8802
Poison Control Center	(800) 222-1222

4 Applicable Documentation

- California Energy Commission (CEC) Commission Decision for the Abengoa Mojave Solar Project (09-AFC-5)
- Spill Prevention, Countermeasure and Control Plan (SPCC) for MSP (part of CEC Condition of Certification HAZ-2).
- Operations Waste Management Plan for MSP (CEC Conditions of Certification WASTE-9, WASTE-11, Soil&Water-8)
- CEC Condition of Certification Worker Safety-2, including the Hazardous Materials Management Program and Emergency Response Plan for MSP
- Safety Management Plan for MSP (COC HAZ-3)
- Spill Report Form Number G78-16-1600-EN-FOR-000006
- OSHA 29 CFR 1926 and 1910
- California Department of Toxic Substances Control Regulations, DTSC: California Health and Safety Code (HSC), Division 20, Chapter 6.5, Hazardous Waste Control Law
- California Code of Regulations List of Hazardous Wastes and Materials Division 4.5 Title 22 CCR
- EPA 40 CFR 260-299 Managing Hazardous Waste
- EPA CERCLA
- OSHA 29 CFR Part 110.119
- Emergency Planning Community Right-to-Know Act of 1986 (42 USC 11001 et seq.)
- EPA 40 CFR 355 List of Extremely Hazardous Substances
- SARA Title III California Accidental Release Prevention (CalARP)
- Hazardous Materials Transportation Act (HMTA)
- SWRCB – State Water Resources Control Board
- Cal-EPA
- Cal-OSHA

- California Department of Toxic Substances Control (DTSC)
- Resource Conservation and Recovery Act passed by Congress in 1976
- ISO 9001:2008, Quality Management Systems-requirements
- ISO 14001: 2004, Environmental Management System-requirements
- OHSAS 18001:2007, Occupational Health and Safety and Assessment System
- California Health & Safety Code (CHSC), Division 20, Chapter 6.95
- California Code of Regulations (CCR), Title 19, Division 2
- Title 40, Code of Federal Regulations (CFR)
- California Energy Commission Decision – Hazardous Materials (HAZ 2)
- EPA (SARA, Title III)
- San Bernardino County CUPA

5 Scope of Application

This plan applies to the entire Mojave Solar Project site for plant operations

This plan will apply to all direct hire personnel of ASI Operations LLC, Owner, Contractors and Subcontractors performing work at the construction site or while working inside any subsidiary facilities or suppliers when delivering to the site. Describing the responsibilities of the different players involved in the activity or activities forming the object of the document.

6 Health, Safety and Environmental

All tasks described in this procedure must be implemented according with the specific safety directives and procedures existing in Atlantica Yield and following safety standards established on site where it performs works.

Likewise, hazards and preventive measures established in actual Workplace Hazard Assessment for the staff involved will be considered.

7 Tools and Records

Employee training records. These records are required to be retained for the life of the project and as specified by Cal-OSHA:

- SDS
- EPA Identification (ID) Number

8 Appendix

8.1 Annex 1

Hazardous material list (Excel file submitted through the local authority's website)

8.2 Annex 2

General Layout Map for the site and for the Power Blocks, Extinguisher location Map. Safety Shower Location Map. Evacuation Routes and Assembly Areas Map.

8.3 Annex 3

SDS Forms

8.1 Annex 1

Hazardous material list

Hazardous Materials And Wastes Inventory Matrix Report										
CERS Business/Org. Mojave Solar LLC		Chemical Location Alpha and Beta					CERS ID 10453255			
Facility Name Mojave Solar LLC							Facility ID FA0014607			
42134 Harper Lake Rd, Hinkley 92347							Status Draft			
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
DOT: 3 - Flammable and Combustible Liquids	Diesel Fuel	Gallons	12000	4000	7000		- Physical Flammable	Petroleum Hydrocarbons	100%	
	CAS No 68476-34-6	State Liquid	Storage Container Aboveground Tank, Steel Drum		Pressure Ambient	Waste Code				
Combustible Liquid, Class II	Map: L003 and L004	Grid: Item 2 and 23	Type Mixture	Days on Site: 365		Temperature Ambient				

Hazardous Materials And Wastes Inventory Matrix Report										
CERS Business/Org. Mojave Solar LLC		Chemical Location Alpha and Beta					CERS ID 10453255			
Facility Name Mojave Solar LLC							Facility ID FA0014607			
42134 Harper Lake Rd, Hinkley 92347							Status Draft			
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	Liquid hazardous waste	Gallons	110	55		2000		Spent chemicals, used hydraulic fluid, oil, and grease, effluent from oil water separator, used glycerin, oily water from the cooling tower	1%	
	CAS No	State	Storage Container		Pressure					
	-	Liquid	Steel Drum, Can, Fiber Drum,		Ambient					
	Map: L010 Grid: Item 27-28E	Type	Plastic Bottle or Jug, Tote Bin, Tank		Temperature					
		Waste	Wagon		Ambient	Waste Code				
			Days on Site: 365			223				

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Hazardous Materials And Wastes Inventory Matrix Report											
CERS Business/Org. Mojave Solar LLC Facility Name Mojave Solar LLC 42134 Harper Lake Rd, Hinkley 92347			Chemical Location Alpha and Beta Cooling tower Chemical dosing				CERS ID 10453255 Facility ID FA0014607 Status Draft				
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities		Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)				
			Max. Daily	Largest Cont.	Avg. Daily		Component Name	% Wt	EHS	CAS No.	
DOT: 9 - Misc. Hazardous Materials	BD 1500	Gallons	500	200	180						
	CAS No	State	Storage Container		Pressue	Waste Code					
	-	Liquid	Tank Inside Building								
	Map: L003 and L004	Type			Temperature						
	Grid: Item 37A	Mixture	Days on Site: 365								
DOT: 9 - Misc. Hazardous Materials	DCL 30	Gallons	500	50	50		Sodium bisulfite	40%			
	CAS No	State	Storage Container		Pressue	Waste Code					
	7631-90-5	Liquid	Tank Inside Building								
	Map: L003 and L004	Type			Temperature						
	Grid: Item 37A	Mixture	Days on Site: 365								
	GN8004	Gallons	500	200	180						
	CAS No	State	Storage Container		Pressue	Waste Code					
	-	Liquid	Tank Inside Building								
	Map: L003 and L004	Type			Temperature						
	Grid: Item 37A	Mixture	Days on Site: 365								
	MS6209	Gallons	500	200	180		Zinc bis (dihydrogen phosphate) and Phosphoric acid	60%			
	CAS No	State	Storage Container		Pressue	Waste Code					
	13598-37-3	Liquid	Tank Inside Building								
	Map: L003 and L004	Type			Temperature						
	Grid: Item 37A	Mixture	Days on Site: 365								
DOT: 9 - Misc. Hazardous Materials	Sodium Hypochlorite	Gallons	2200	1100	600		Sodium Hypochlorite	13%			
	CAS No	State	Storage Container		Pressue	Waste Code					
	7681-52-9	Liquid	Tank Inside Building		Ambient						
	Map: L003 and L004	Type			Temperature						
	Grid: F5, H9	Mixture	Days on Site: 365		Ambient						

Hazardous Materials And Wastes Inventory Matrix Report											
CERS Business/Org. Mojave Solar LLC Facility Name Mojave Solar LLC 42134 Harper Lake Rd, Hinkley 92347			Chemical Location Alpha and Beta liquid waste				CERS ID 10453255 Facility ID FA0014607 Status Draft				
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities		Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)				
			Max. Daily	Largest Cont.	Avg. Daily		Component Name	% Wt	EHS	CAS No.	
	Liquid hazardous waste	Pounds	1200	528		8000	Spent chemicals, used hydraulic fluid, oil, and grease, effluent from oil water separator, used glycerin, oily water from the cooling tower	1%			
	CAS No	State	Storage Container		Pressue						
	-	Liquid	Steel Drum, Can, Fiber Drum, Plastic Bottle or Jug, Tote Bin, Tank		Ambient						
	Map: L003 and L004	Type			Temperature	Waste Code					
	Grid: North of item#6	Waste	Days on Site: 365		Ambient	221					
	Liquid hazardous waste	Gallons	600	275		3600	Spent chemicals, used hydraulic fluid, oil, and grease, effluent from oil water separator, used glycerin, oily water from the cooling tower	1%			
	CAS No	State	Storage Container		Pressue						
	-	Liquid	Steel Drum, Can, Fiber Drum, Plastic Bottle or Jug, Tote Bin, Tank		Ambient						
	Map: L003 and L004	Type			Temperature	Waste Code					
	Grid: Item#19	Waste	Days on Site: 365		Ambient	223					
	Used Oil	Gallons	1200	275		8000	Spent chemicals, used hydraulic fluid, oil, and grease, effluent from oil water separator, used glycerin, oily water from the cooling tower	1%			
	CAS No	State	Storage Container		Pressue						
	-	Liquid	Steel Drum, Can, Fiber Drum, Plastic Bottle or Jug, Tote Bin, Tank		Ambient						
	Map: L003 and L004	Type			Temperature	Waste Code					
	Grid: North of item#6	Waste	Days on Site: 365		Ambient	221					

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Hazardous Materials And Wastes Inventory Matrix Report										
CERS Business/Org. Mojave Solar LLC		Chemical Location Alpha and Beta Plant				CERS ID 10453255				
Facility Name Mojave Solar LLC						Facility ID FA0014607				
42134 Harper Lake Rd, Hinkley 92347						Status Draft				
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities		Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)			
			Max. Daily	Largest Cont.			Component Name	% Wt	EHS	CAS No.
Combustible Liquid, Class III-B	AFFF 3%	Gallons	1500	350	1000	- Physical Flammable - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	Water	90%		7732-18-5
	CAS No.	State	Storage Container		Pressure		Propylene Glycol t-butyl ether	4%		57018-52-7
	Liquid		Tank Inside Building, Plastic/Non-		Waste Code		magnesium sulfate	2%		7487-88-9
	Type		metallic Drum				proprietary hydrocarbon			proprietary
	Mixture		Days on Site: 365		Temperature		proprietary surfactant			proprietary
DOT: 2.2 - Nonflammable Gases	Argon Gas	Cu. Feet	10000	336	8000	- Health Hazard Not Otherwise Classified	Ethanediol	60%		107-21-1
	CAS No.	State	Storage Container		Pressure		Diethylene Glycol	3%		111-46-6
	7440-37-1	Gas	Cylinder		Waste Code					
	Pure				Temperature					
DOT: 6.1 - Toxic Substances	Coolant, Antifreeze	Gallons	15000	55	8000	- Health Acute Toxicity - Health Respiratory Skin Sensitization				
	CAS No.	State	Storage Container		Pressure					
	107-21-1	Liquid	Plastic/Non-metallic Drum		Ambient					
		Type			Temperature					
		Mixture			Ambient					
DOT: 6.1 - Toxic Substances	Duraclear	Gallons	550	55	165	- Physical Flammable	Hydrocarbon polymer			
	CAS No.	State	Storage Container		Pressure		Alkanes	50%		151006-58-5
		Liquid	Steel Drum		Ambient					
		Type			Temperature					
		Mixture	Days on Site: 365		Ambient					
DOT: 2.2 - Nonflammable Gases	Sulfur Hexafluoride	Pounds	500	129	260	- Health Hazard Not Otherwise Classified				
	CAS No.	State	Storage Container		Pressure					
	2551-62-4	Gas	Cylinder		Ambient					
	Pure				Temperature					
			Days on Site: 365		Ambient					

Hazardous Materials And Wastes Inventory Matrix Report										
CERS Business/Org. Mojave Solar LLC		Chemical Location Alpha and Beta plants				CERS ID 10453255				
Facility Name Mojave Solar LLC						Facility ID FA0014607				
42134 Harper Lake Rd, Hinkley 92347						Status Draft				
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities		Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)			
			Max. Daily	Largest Cont.			Component Name	% Wt	EHS	CAS No.
DOT: 2.1 - Flammable Gases	Acetylene welding gas	Cu. Feet	350	70	300		Acetylene Gas	100%		
	CAS No.	State	Storage Container		Pressure					
	74-86-2	Gas	Cylinder		> Ambient					
	Map: L003 and L004	Type			Temperature					
		Mixture	Days on Site: 365		Ambient					
DOT: 2.2 - Nonflammable Gases	Argon, Liquid	Cu. Feet	336		336					
	CAS No.	State	Storage Container		Pressure					
	7440-37-1	Gas	Cylinder		Waste Code					
	Map: L003 and L004	Type			Temperature					
		Pure	Days on Site: 365		Ambient					
DOT: 2.2 - Nonflammable Gases	Carbohydrazide	Gallons	1200		300					
	CAS No.	State	Storage Container		Pressure					
	497-18-7	Liquid	Tote Bin		Ambient					
	Map: L003 and L004	Type			Temperature					
		Pure	Days on Site: 365		Ambient					
DOT: 2.2 - Nonflammable Gases	Carbon Dioxide	Cu. Feet	52000	50	480					
	CAS No.	State	Storage Container		Pressure					
	124-38-9	Gas	Cylinder		Ambient					
	Map: L003 and L004 Grid: SW of item#7	Type			Temperature					
		Pure	Days on Site: 365		Ambient					
DOT: 3 - Flammable and Combustible Liquids	Galvanizing Compound	Pounds	15		5		Zinc	100%		7440-66-6
	CAS No.	State	Storage Container		Pressure		hydrotreated light distillate	10%		64742-47-8
		Solid	Steel Drum		Ambient		Zinc Oxide	10%		1314-13-2
	Map: L003 and L004	Type			Temperature		Stoddaard Solvent	3%		8052-41-3
		Mixture	Days on Site: 365		Ambient		Zeolite	1%		1318-02-1
DOT: 2.2 - Nonflammable Gases	Oxygen gas	Cu. Feet	560	140	300		Oxygen Gas	100%		
	CAS No.	State	Storage Container		Pressure					
	7782-44-7	Gas	Cylinder		Ambient					
	Map: L003 and L004	Type			Temperature					
		Pure	Days on Site: 365		Ambient					
	Propylene Glycol	Cu. Feet	440	55	440		Propylene Glycol	100%		57-55-6
	CAS No.	State	Storage Container		Pressure					
	57-55-6	Liquid	Plastic/Non-metallic Drum		Ambient					
	Map: L003 and L004	Type			Temperature					
		Mixture	Days on Site: 365		Ambient					

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CERS Business/Org. Mojave Solar LLC			Chemical Location Alpha and Beta plants					CERS ID 10453255			
Facility Name Mojave Solar LLC								Facility ID FA0014607			
42134 Harper Lake Rd, Hinkley 92347								Status Draft			
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)			
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS	CAS No.
DOT: 4.1 - Flammable Solids	Silicon	Gallons	36.7		36.7		- Physical	Silicon	99%		7440-21-3
	CAS No. 7440-21-3 Map: L003 and L004	State: Liquid Type: Pure Days on Site: 365	Storage Container: Box		Pressure: Ambient Temperature: Ambient	Waste Code:	- Flammable - Physical Corrosive To Metal - Health Acute Toxicity - Health Reproductive Toxicity - Health Skin Corrosion - Health Irritation - Health Respiratory Skin Sensitization - Health Aspiration Hazard				
DOT: 8 - Corrosives (Liquids and Solids)	Sodium carbonate	Pounds	15320		10000						
Combustible Liquid, Class II	CAS No. 497-19-8 Map: L003 and L004	State: Solid Type: Pure Days on Site: 365	Storage Container: Silo		Pressure: Ambient Temperature: Ambient	Waste Code:					
DOT: 8 - Corrosives (Liquids and Solids)	Titration Cartridge EDTA	Pounds	20	0.001	0.3			EDTA, TETRASODIUM	100%		8013-51-2
Toxic	CAS No. 64-02-8 Map: L003 and L004 Grid: F5, H9	State: Solid Type: Mixture Days on Site: 365	Storage Container: Bag		Pressure: Ambient Temperature: Ambient	Waste Code:					
DOT: 9 - Misc. Hazardous Materials	VP1 Heat Transfer Fluid (HTF)	Gallons	2292000	57000	2292000			Biphenyl			
Combustible Liquid, Class II	CAS No. 92-52-4 Map: L003 and L004 Grid: Item# 3 and 6	State: Liquid Type: Mixture Days on Site: 365	Storage Container: Aboveground Tank, Other		Pressure: > Ambient Temperature: > Ambient	Waste Code:					

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Hazardous Materials And Wastes Inventory Matrix Report										
CERS Business/Org. Mojave Solar LLC			Chemical Location				CERS ID 10453255			
Facility Name Mojave Solar LLC			Alpha and Beta power blocks				Facility ID FA0014607			
42134 Harper Lake Rd, Hinkley 92347							Status Draft			
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities		Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)			
			Max. Daily	Largest Cont.			Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids)	Amine - Ammonia CAS No. 108-91-8 Map: L003 and L004 Grid: D29 a and R	Pounds State: <u>Storage Container</u> Liquid: <u>Tank Inside Building</u> Type: <u></u> Mixture: <u>Days on Site: 365</u>	500	200	100	Pressue: <u>Waste Code</u> Ambient: <u>Temperature</u> Ambient: <u></u>	Cyclohexylamine	40%		108-91-8
							MORPHOLINE	13%		110-91-8
							MONOETHANOLAMINE	13%		141-43-5
							N-9 OCTADECENYL	13%		7173-62-8
							9-OCTADECEN 1-AMINE	5%		112-90-3
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class II	Diesel exhaust fluid - DEF CAS No. 57-13-6 Map: L003 and L004	Gallons State: <u>Storage Container</u> Liquid: <u>Aboveground Tank</u> Type: <u></u> Mixture: <u>Days on Site: 365</u>	1000	55	440	- Physical Flammable Pressue: <u>Waste Code</u> Ambient: <u>Temperature</u> > Ambient: <u></u>	Urea	40%		57-13-6
							1-butylphenyl diphenyl phosphate	78%		56803-37-3
							BIS-BUTYLPHENYL Phosphate	40%		65652-41-7
							tri-butylphenyl Phosphate	10%		78-33-1
							triphenyl phosphate	4%		115-86-6
Toxic, Combustible Liquid, Class II	Fyrquel EHC Plus CAS No. 68937-40-6 Map: L003 and L004	Gallons State: <u>Storage Container</u> Liquid: <u>Fiber Drum</u> Type: <u></u> Mixture: <u>Days on Site: 365</u>	1000	55	55	Pressue: <u>Waste Code</u> Ambient: <u>Temperature</u> Ambient: <u></u>	1-butylphenyl diphenyl phosphate	78%		56803-37-3
							BIS-BUTYLPHENYL Phosphate	40%		65652-41-7
							tri-butylphenyl Phosphate	10%		78-33-1
							triphenyl phosphate	4%		115-86-6
Toxic	Glycerin CAS No. 56-81-5 Map: L003 and L004	Gallons State: <u>Storage Container</u> Liquid: <u>Fiber Drum</u> Type: <u></u> Pure: <u>Days on Site: 365</u>	220	55	220	Pressue: <u>Waste Code</u> Ambient: <u>Temperature</u> Ambient: <u></u>	Glycerin	100%		56-81-5
DOT: 2.1 - Flammable Gases Flammable Gas	Hydrogen CAS No. 1333-74-0 Map: L003 and L004 Grid: SW of item#7	Cu. Feet State: <u>Storage Container</u> Gas: <u>Cylinder</u> Type: <u></u> Pure: <u>Days on Site: 365</u>	60000	4698	1800	- Physical Flammable - Physical Gas Under Pressure - Physical Explosive - Physical Combustible Dust Pressue: <u>Waste Code</u> Ambient: <u>Temperature</u> Ambient: <u></u>	Hydrogen Gas	100%		133-74-0
	Industrial oil (gear lubricant) CAS No. 91745-46-9 Map: L003 and L004	Gallons State: <u>Storage Container</u> Liquid: <u>Steel Drum</u> Type: <u></u> Mixture: <u>Days on Site: 365</u>	20000	55	550	Pressue: <u>Waste Code</u> Ambient: <u>Temperature</u> Ambient: <u></u>	dimethylsulfoxide	3%		
Combustible Liquid, Class II	Motor, engine, hydraulic oil CAS No. - Map: L003 and L004	Gallons State: <u>Storage Container</u> Liquid: <u>Steel Drum, Can, Plastic Bottle or Jug</u> Type: <u></u> Mixture: <u>Days on Site: 365</u>	10000	55	80	- Physical Flammable Pressue: <u>Waste Code</u> Ambient: <u>Temperature</u> Ambient: <u></u>	Petroleum Hydrocarbons	100%		86290-81-5
							Benzene	4%		71-43-2
DOT: 2.2 - Nonflammable Gases	Nitrogen CAS No. 7727-37-9 Map: L003 and L004 Grid: Item#18	Cu. Feet State: <u>Storage Container</u> Gas: <u>Aboveground Tank</u> Type: <u></u> Pure: <u>Days on Site: 365</u>	52000	26000	13000	Pressue: <u>Waste Code</u> Ambient: <u>Temperature</u> Ambient: <u></u>	Nitrogen Refrigerated liquid	100%		7727.37-9

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CERS Business/Org. Mojave Solar LLC		Chemical Location				CERS ID 10453255				
Facility Name Mojave Solar LLC		Alpha and Beta power blocks				Facility ID FA0014607				
42134 Harper Lake Rd, Hinkley 92347						Status Draft				
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	O2 Scavenger	Gallons	500	200	180		Carbohydrazide	10%		
	CAS No	State	Storage Container		Pressure	Waste Code				
	497-18-7	Liquid	Tank Inside Building							
	Map: L003 and L004	Type			Temperature					
	Grid: Item 37A	Mixture	Days on Site: 365							
	Paints	Gallons	50	50	50		General Paints	100%		
	CAS No	State	Storage Container		Pressure	Waste Code				
	-	Liquid	Steel Drum, Can		Ambient					
	Map: L003 and L004	Type			Temperature					
		Mixture	Days on Site: 365		Ambient					
	Phosphate	Gallons	500	200	180		Polyphosphoric acids, sodium salts and Sodium hydroxide	10%		
	CAS No	State	Storage Container		Pressure	Waste Code				
	68915-31-1	Liquid	Steel Drum							
	Map: L003 and L004	Type			Temperature					
	Grid: D29 a and 8	Mixture	Days on Site: 365							

Hazardous Materials And Wastes Inventory Matrix Report										
CERS Business/Org. Mojave Solar LLC		Chemical Location					CERS ID 10453255			
Facility Name Mojave Solar LLC		Alpha and Beta power blocks, solar fields					Facility ID FA0014607			
42134 Harper Lake Rd, Hinkley 92347							Status Draft			
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
Flammable Gas	Propane	Pounds	200	17	5		- Health Hazard	Propane	100%	
	CAS No	State	Storage Container		Pressure	Waste Code	Not Otherwise Classified			
	74-98-6	Gas	Cylinder		> Ambient					
	Map: L003 and L004	Type			Temperature					
	Grid: E5, H9, E3, E7,	Pure	Days on Site: 365		Ambient					

Hazardous Materials And Wastes Inventory Matrix Report										
CERS Business/Org. Mojave Solar LLC		Chemical Location					CERS ID 10453255		Hazardous Components	
Facility Name Mojave Solar LLC		Alpha and Beta solid waste					Facility ID FA0014607		(For mixture only)	
42134 Harper Lake Rd, Hinkley 92347							Status Draft			
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	Solid hazardous waste	Pounds	120	20	120	5000		Discarded batteries, contaminated 1% chemical containers, scrap metal, oily rags, used oil absorbent material, oil filters, contaminated soil with oil or diesel, used activated carbon, used fluorescent bulbs, broken glass or mirrors, filter-press solids	1%	
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>	<u>Waste Code</u>				
	-	Solid	Steel Drum, Can, Fiber Drum,		Ambient					
	Map: L003 and L004	<u>Type</u>	Plastic Bottle or Jug, Tote Bin, Tank		<u>Temperature</u>					
	Grid: North of item#6	Waste	Wagon		Ambient					
			Days on Site: 365							
	Solid hazardous waste	Pounds	500	20	120	5000		Discarded batteries, contaminated 1% chemical containers, scrap metal, oily rags, used oil absorbent material, oil filters, contaminated soil with oil or diesel, used activated carbon, used fluorescent bulbs, broken glass or mirrors, filter-press solids	1%	
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>	<u>Waste Code</u>				
	-	Solid	Steel Drum, Can, Fiber Drum,		Ambient					
	Map: L003 and L004	<u>Type</u>	Plastic Bottle or Jug, Tote Bin, Tank		<u>Temperature</u>					
	Grid: North of item#6	Waste	Wagon		Ambient					
			Days on Site: 365							
	Solid hazardous waste	Tons	10	10	5	120		Discarded batteries, contaminated 1% chemical containers, scrap metal, oily rags, used oil absorbent material, oil filters, contaminated soil with oil or diesel, used activated carbon, used fluorescent bulbs, broken glass or mirrors, filter-press solids	1%	
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>	<u>Waste Code</u>				
	-	Solid	Steel Drum, Can, Fiber Drum,		Ambient					
	Map: L003 and L004	<u>Type</u>	Plastic Bottle or Jug, Tote Bin, Tank		<u>Temperature</u>					
	Grid: North of item#6	Waste	Wagon		Ambient					
			Days on Site: 365							

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Hazardous Materials And Wastes Inventory Matrix Report										
CERS Business/Org.	Mojave Solar LLC		Chemical Location				CERS ID	10453255		
Facility Name	Mojave Solar LLC		Alpha and Beta solid waste- Beta Tab, Alpha West				Facility ID	FA0014607		
	42134 Harper Lake Rd, Hinkley 92347						Status	Draft		
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	Solid hazardous waste	Tons	5	10	2.5	120	Broken Mirrors	1%		
	CAS No	State	Storage Container		Pressure	Waste Code				
	-	Solid	Steel Drum, Can, Fiber Drum,		Ambient	181				
	Map: L010 Grid: Item 27-28E	Type	Plastic Bottle or Jug, Tote Bin, Tank		Temperature					
		Waste	Wagon		Ambient					
			Days on Site: 365							

Hazardous Materials And Wastes Inventory Matrix Report										
CERS Business/Org.	Mojave Solar LLC		Chemical Location				CERS ID	10453255		
Facility Name	Mojave Solar LLC		Alpha and Beta solid waste. Located in Beta plant.				Facility ID	FA0014607		
	42134 Harper Lake Rd, Hinkley 92347						Status	Draft		
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	Solid hazardous waste	Tons	10	10	5	60		Spent chemicals, used hydraulic fluid, oil, and grease, effluent from oil water separator, used glycerin, oily water from the cooling tower	1%	
	CAS No	State	Storage Container		Pressure					
	-	Solid	Steel Drum, Can, Fiber Drum,		Ambient					
	Map: L010 Grid: Item 27-28E	Type	Plastic Bottle or Jug, Tote Bin, Tank		Temperature					
		Waste	Wagon		Ambient	Waste Code				
			Days on Site: 365			352				

Hazardous Materials And Wastes Inventory Matrix Report									
CERS Business/Org.	Mojave Solar LLC			Chemical Location			CERS ID	10453255	
Facility Name	Mojave Solar LLC			Alpha and Beta Transformers			Facility ID	FA0014607	
	42134 Harper Lake Rd, Hinkley 92347						Status	Draft	
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)	
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt
	Mineral oil	Gallons	69000	20	34068				
	CAS No.	State	Storage Container		Pressure	Waste Code			
	8042-47-5	Liquid	Steel Drum						
	Map: L010	Type			Temperature				
		Mixture	Days on Site: 365						

Hazardous Materials And Wastes Inventory Matrix Report										
CERS Business/Org.	Mojave Solar LLC			Chemical Location			CERS ID	10453255		
Facility Name	Mojave Solar LLC			Alpha and Beta water treatment plants			Facility ID	FA0014607		
	42134 Harper Lake Rd, Hinkley 92347						Status	Draft		
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	Anionic Flocculant	Pounds	20	5	5					64742-47-8
	CAS No.	State	Storage Container		Pressure	Waste Code	Destillates		30%	
	64742-47-8	Liquid	Tote Bin		Ambient					
	Map: L003 and L004 Grid: C37 a , D37 B	Type			Temperature					
		Pure	Days on Site: 365		Ambient					
DOT: 9 - Misc. Hazardous Materials	Bleach	Gallons	3460	2640	1000			Sodium Hypochlorite	13%	
	CAS No.	State	Storage Container		Pressure	Waste Code				
	7681-52-9	Liquid	Tank Inside Building		Ambient					
	Map: L003 and L004 Grid: C32 a , D32 B	Type			Temperature					
		Mixture	Days on Site: 365		Ambient					
DOT: 9 - Misc. Hazardous Materials	Sodium Bisulfite	Gallons	1200	528	50		- Health Skin Corrosion Irritation - Health Aspiration Hazard	Sodium Bisulfite	38%	
	CAS No.	State	Storage Container		Pressure	Waste Code				
	007631-90-5	Liquid	Tote Bin		Ambient					
	Map: L003 and L004 Grid: C32 a , D32 B	Type			Temperature					
		Mixture	Days on Site: 365		Ambient					

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CERS Business/Org. Mojave Solar LLC			Chemical Location Alpha and Beta Water Treatment Plants					CERS ID 10453255			
Facility Name Mojave Solar LLC								Facility ID FA0014607			
42134 Harper Lake Rd, Hinkley 92347								Status Draft			
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Component Name	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily				% Wt	EHS	CAS No.
Combustible Liquid, Class II	Amino Acid F Reagent	Pounds	2	0.03	1						
	CAS No	State	Storage Container		Pressure	Waste Code					
	7681-57-4	Liquid	Bag								
	Map: L003 and L004	Type			Temperature						
		Mixture	Days on Site: 365								
Combustible Liquid, Class II	Amino Acid Reagent	Pounds	0.9	0.03	0.3						
	CAS No	State	Storage Container		Pressure	Waste Code					
	7681-57-4	Liquid	Bag								
	Map: L003 and L004	Type			Temperature						
		Mixture	Days on Site: 365								
	Antifouling	Gallons	1100	528	120		- Health Acute Toxicity				
	CAS No	State	Storage Container		Pressure	Waste Code	- Health Skin Corrosion				
	-	Liquid	Plastic/Non-metallic Drum, Tote		Ambient		Irritation				
	Map: L003 and L004	Type	Bin		Temperature		- Health Respiratory Skin Sensitization				
		Mixture	Days on Site: 365		Ambient						
	CalVer 2 Calcium Indicator	Pounds	0.9	0.03	0.3						
	CAS No	State	Storage Container		Pressure	Waste Code					
	-	Liquid	Plastic Bottle or Jug								
	Map: L003 and L004	Type			Temperature						
		Mixture	Days on Site: 365								
DOT: 2.2 - Nonflammable Gases	Carbon Dioxide, Liquid	Gallons	68000	34000	20000						
Cryogen	CAS No	State	Storage Container		Pressure	Waste Code					
	124-38-9	Liquid	Aboveground Tank		Ambient						
	Map: L003 and L004	Type			Temperature						
	Grid: D39 a and B	Pure	Days on Site: 365		Ambient						
		Mixture									
DOT: 8 - Corrosives (Liquids and Solids)	Caustic Soda	Gallons	1500	528	420		Sodium Hydroxide	25%			
Corrosive	CAS No	State	Storage Container		Pressure	Waste Code					
	1310-73-2	Liquid	Tote Bin		Ambient						
	Map: L003 and L004	Type			Temperature						
	Grid: C32 a , D32 B	Mixture	Days on Site: 365		Ambient						
	Chemets Dissolved Oxygen Refill	Pounds	0.03	0.001	0.01						
	CAS No	State	Storage Container		Pressure	Waste Code					
	7732-18-5	Liquid	Glass Bottle or Jug								
	Map: L003 and L004	Type			Temperature						
		Mixture	Days on Site: 365								
Flammable Liquid, Class I-A	Citric Acid	Gallons	110	55	80						
	CAS No	State	Storage Container		Pressure	Waste Code					
	77-92-9	Liquid	Fiber Drum								
	Map: L003 and L004	Type			Temperature						
		Mixture	Days on Site: 365								

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CERS Business/Org. Mojave Solar LLC		Chemical Location Alpha and Beta Water Treatment Plants				CERS ID 10453255				
Facility Name Mojave Solar LLC						Facility ID FA0014607				
42134 Harper Lake Rd, Hinkley 92347						Status Draft				
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
Flammable Liquid, Class I-A	Citric Acid Reagent Solution CAS No. 77-92-9 Map: L003 and L004	Gallons	110	0.03	80			Component Name	% Wt	EH5 CAS No.
		State	Storage Container		Pressure	Waste Code				
		Solid	Plastic Bottle or Jug		Ambient					
		Type			Temperature					
		Mixture	Days on Site: 365		Ambient					
DOT: 8 - Corrosives (Liquids and Solids)	Conductivity Standard Solution CAS No. Map: L003 and L004	Gallons	1.5	0.05	0.5					
		State	Storage Container		Pressure	Waste Code				
		Liquid	Plastic Bottle or Jug							
		Type			Temperature					
		Mixture	Days on Site: 365							
DOT: 8 - Corrosives (Liquids and Solids)	DEHA 1 Reagent (Diethylhydroxylamine) CAS No. 56-40-6 Map: L003 and L004	Gallons	6.6	0.22	2.2					
		State	Storage Container		Pressure	Waste Code				
		Solid	Bag							
		Type			Temperature					
		Mixture	Days on Site: 365							
DOT: 8 - Corrosives (Liquids and Solids)	DEHA 2 Reagent CAS No. 7697-37-2 Map: L003 and L004	Gallons	0.9	0.03	0.3					
		State	Storage Container		Pressure	Waste Code				
		Liquid	Glass Bottle or Jug							
		Type			Temperature					
		Pure	Days on Site: 365							
	DPD Free Chlorine Reagent for 5 mL sample pk/100 CAS No. 7558-79-4 Map: L003 and L004	Pounds	6.6	0.22	2.2					
		State	Storage Container		Pressure	Waste Code				
		Solid	Bag							
		Type			Temperature					
		Mixture	Days on Site: 365							
DOT: 8 - Corrosives (Liquids and Solids)	Ferric Chloride CAS No. 7705-08-0 Map: L003 and L004 Grid: C37 a , D37 B	Gallons	1600	792	500			Ferric Chloride	40%	
		State	Storage Container		Pressure	Waste Code				
		Liquid	Tote Bin		Ambient					
		Type			Temperature					
		Mixture	Days on Site: 365		Ambient					
DOT: 8 - Corrosives (Liquids and Solids)	FerroZine® Iron Reagent CAS No. 5421-46-5 Map: L003 and L004	Gallons	3.9	0.13	1.3			Acetic Acid	40%	5421-46-5
		State	Storage Container		Pressure	Waste Code		thioglycolic Acid	20%	68-11-1
		Liquid	Plastic Bottle or Jug		Ambient			Benzenesulfonic Acid	1%	69898-45-9
		Type			Temperature					
		Pure	Days on Site: 365		Ambient					

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Hazardous Materials And Wastes Inventory Matrix Report										
CERS Business/Org. Mojave Solar LLC		Chemical Location Alpha and Beta Water Treatment Plants				CERS ID 10453255		Hazardous Components (For mixture only)		
Facility Name Mojave Solar LLC						Facility ID FA0014607				
42134 Harper Lake Rd, Hinkley 92347						Status Draft				
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Component Name	% Wt	EHS CAS No.
	Hardness Buffer	Gallons	0.9	0.03	0.3					
	CAS No.	State	Storage Container		Pressure	Waste Code				
	50-00-0	Liquid	Plastic Bottle or Jug							
	Map: L003 and L004	Type			Temperature					
		Mixture	Days on Site: 365							
Toxic, Corrosive, Toxic, Combustible Liquid, Class III-A, 5	High Calcium Hydrated Lime	Pounds	43400	21664	15000			Calcium Hydroxide	90%	1305-62-0
	CAS No.	State	Storage Container		Pressure	Waste Code		Magnesium Oxide	3%	1309-48-4
	1305-62-0	Solid	Silo		Ambient			Crystalline Silica	2%	14808-60-7
	Map: L003 and L004 Grid: C37 a, D37 B	Type			Temperature					
		Pure	Days on Site: 365		Ambient					
	Magnesium Sulfate	Pounds	170000	50000	170000			Magnesium Sulfate	99%	
	CAS No.	State	Storage Container		Pressure	Waste Code				
	14168-73-1	Solid	Silo		Ambient					
	Map: L003 and L004 Grid: C37 a, D37 B	Type			Temperature					
		Mixture	Days on Site: 365		Ambient					
Corrosive, Corrosive, Corrosive, Toxic	Molybdate 3 Reagent Solution	Gallons	0.9	0.03	0.3					
	CAS No.	State	Storage Container		Pressure	Waste Code				
	7664-93-9	Solid	Plastic Bottle or Jug							
	Map: L003 and L004	Type			Temperature					
		Mixture	Days on Site: 365							
Corrosive	Molybdate Reagent	Gallons	0.9	0.03	0.3					
	CAS No.	State	Storage Container		Pressure	Waste Code				
	7631-95-00	Liquid	Plastic Bottle or Jug							
	Map: L003 and L004	Type			Temperature					
		Mixture	Days on Site: 365							
DOT: 8 - Corrosives (Liquids and Solids)	Muriatic acid	Gallons	2500	1	100			water	80%	7732-18-5
	CAS No.	State	Storage Container		Pressure	Waste Code		Hydrogen Chloride	38%	7647-01-0
	7647-01-0	Liquid	Tank Inside Building		Ambient					
	Map: L003 and L004	Type			Temperature	791				
		Pure	Days on Site: 365		Ambient					
DOT: 8 - Corrosives (Liquids and Solids)	ORP Solution	Gallons	1.5	0.05	0.5					
	CAS No.	State	Storage Container		Pressure	Waste Code				
	13746-66-2	Liquid	Plastic Bottle or Jug							
	Map: L003 and L004	Type			Temperature					
		Mixture	Days on Site: 365							
DOT: 8 - Corrosives (Liquids and Solids)	pH Buffer Solution 10.01	Gallons	3.9	0.13	1.3					
	CAS No.	State	Storage Container		Pressure	Waste Code				
	50-00-0	Liquid	Plastic Bottle or Jug							
	Map: L003 and L004	Type			Temperature					
		Mixture	Days on Site: 365							

Hazardous Materials And Wastes Inventory Matrix Report										
CERS Business/Org. Mojave Solar LLC		Chemical Location Alpha and Beta Water Treatment Plants				CERS ID 10453255		Hazardous Components (For mixture only)		
Facility Name Mojave Solar LLC						Facility ID FA0014607				
42134 Harper Lake Rd, Hinkley 92347						Status Draft				
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Component Name	% Wt	EHS CAS No.
DOT: 8 - Corrosives (Liquids and Solids)	pH Buffer Solution 4.01	Gallons	3.9	0.13	1.3					
	CAS No.	State	Storage Container		Pressure	Waste Code				
	50-00-0	Liquid	Plastic Bottle or Jug							
	Map: L003 and L004	Type			Temperature					
		Mixture	Days on Site: 365							
DOT: 8 - Corrosives (Liquids and Solids)	pH Buffer Solution 7.00	Gallons	3.9	0.13	1.3					
	CAS No.	State	Storage Container		Pressure	Waste Code				
	7558-79-4	Liquid	Plastic Bottle or Jug							
	Map: L003 and L004	Type			Temperature					
		Mixture	Days on Site: 365							
DOT: 8 - Corrosives (Liquids and Solids)	pH Storage Solution	Gallons	3.9	0.13	1.3					
	CAS No.	State	Storage Container		Pressure	Waste Code				
	7558-79-4	Liquid	Plastic Bottle or Jug							
	Map: L003 and L004	Type			Temperature					
		Mixture	Days on Site: 365							
DOT: 8 - Corrosives (Liquids and Solids)	RO, NF Scale Inhibitor. containing Organophosphonic Acids	Pounds	1056	528	200			Organophosphonic Acids		
	CAS No.	State	Storage Container		Pressure	Waste Code				
	-	Liquid	Aboveground Tank		Ambient					
	Map: L003 and L004	Type			Temperature					
		Mixture	Days on Site: 365		Ambient					
DOT: 8 - Corrosives (Liquids and Solids)	Soda Ash	Pounds	7660	7660	7660			Sodium Carbonate	100%	
	CAS No.	State	Storage Container		Pressure	Waste Code				
	497-19-8	Solid	Silo		Ambient					
	Map: L003 and L004 Grid: C37 a, D37 B	Type			Temperature					
Combustible Liquid, Class II		Pure	Days on Site: 365		Ambient					

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Hazardous Materials And Wastes Inventory Matrix Report										
CERS Business/Org. Mojave Solar LLC		Chemical Location				CERS ID 10453255				
Facility Name Mojave Solar LLC		Alpha and Beta Water Treatment Plants				Facility ID FA0014607				
42134 Harper Lake Rd, Hinkley 92347						Status Draft				
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
DOT: 8 - Corrosives (Liquids and Solids)	Sulfuric Acid 50-91%	Gallons	528	528	400	- Physical	Sulfuric Acid	50%	✓	7644-93-9
	CAS No	State	Storage Container		Pressure	Waste Code				
	7664-93-9	Liquid	Tote Bin		Ambient					
	Map: L003 and L004 Grid: C32 a and B	Type			Temperature					
		Mixture	Days on Site: 365		Ambient					
Toxic							- Physical			
						Corrosive To Metal				
						- Health Acute				
						Toxicity				
						- Health				
						Reproductive				
						Toxicity				
						- Health Skin				
						Corrosion				
						Irritation				
						- Health				
						Respiratory Skin				
						Sensitization				
						- Health				
						Aspiration Hazard				
DOT: 9 - Misc. Hazardous Materials	Versene 100	Gallons	1100	55	550		Sodium EDTA			
	CAS No	State	Storage Container		Pressure	Waste Code				
	64-02-8	Solid	Bag		Ambient					
Corrosive		Type			Temperature					
	Map: L003 and L004 Grid: F5, H9	Mixture	Days on Site: 365		Ambient					

Hazardous Materials And Wastes Inventory Matrix Report										
CERS Business/Org. Mojave Solar LLC			Chemical Location				CERS ID 10453255			
Facility Name Mojave Solar LLC			Alpha Chemical Storage Area				Facility ID FA0014607			
42134 Harper Lake Rd, Hinkley 92347							Status Draft			
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
DOT: 9 - Misc. Hazardous Materials	Fyrquel	Gallons	550	55	250	0	- Physical Hazard	t-Butylphenyl diphenyl phosphate	30%	56803-37-3
	CAS No	State	Storage Container		Pressure	Waste Code	- Bis(t-butylphenyl)phenyl	30%	65652-41-7	
	56803-37-3	Liquid	Steel Drum		Ambient		- Classified	phosphate		
	Type			Temperature	- Health Hazard		Tri(t-butylphenyl) phosphate	15%	78-33-1	
	Mixture	Days on Site: 365		Ambient	- Not Otherwise Classified		Triphenyl phosphate	25%	115-86-6	

Hazardous Materials And Wastes Inventory Matrix Report										
CERS Business/Org. Mojave Solar LLC		Chemical Location				CERS ID 10453255				
Facility Name Mojave Solar LLC		Alpha plant only				Facility ID FA0014607				
42134 Harper Lake Rd, Hinkley 92347						Status Draft				
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
DOT: 3 - Flammable and Combustible Liquids	Gasoline	Gallons	2000	2000	250	- Health	Unleaded Gasoline	100%	8006-61-9	
	CAS No	State	Storage Container		Pressure	- Health Acute				
	8006-61-9	Liquid	Aboveground Tank		Ambient	Toxicity				
	Map: L003 Grid: B29	Type			Temperature	- Health				
		Mixture	Days on Site: 365		Ambient	Reproductive Toxicity				

Hazardous Materials And Wastes Inventory Matrix Report										
CERS Business/Org. Mojave Solar LLC		Chemical Location					CERS ID 10453255			
Facility Name Mojave Solar LLC		Alpha&Beta Cooling Tower					Facility ID FA0014607			
42134 Harper Lake Rd, Hinkley 92347							Status Draft			
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities		Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)			
			Max. Daily	Largest Cont.			Avg. Daily	Component Name	% Wt	EHS
	CL5428	Gallons	1000	500	500	0	Components not listed are either non hazardous or in concentration of less than 1%			
	CAS No	State	Storage Container		Pressure	Waste Code				
		Liquid	Plastic/Non-metallic Drum		Ambient					
		Type			Temperature					
		Mixture	Days on Site: 365		Ambient					
DOT: 7 - Radioactive Material	CT790	Gallons	1000	500	500	0	- Health Acute Toxicity	Phosphoric Acid	40%	766-38-2
	CAS No	State	Storage Container		Pressure	Waste Code 132	ZINC OXIDE	20%	1314-13-2	
		Liquid	Plastic/Non-metallic Drum		Ambient		- Health Skin Corrosion	Other components below reportable levels	40%	
		Type			Temperature		- Health Serious Irritation			
		Mixture	Days on Site: 365		Ambient		- Health Serious Eye Damage Eye Irritation			

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Hazardous Materials And Wastes Inventory Matrix Report											
CERS Business/Org. Mojave Solar LLC Facility Name Mojave Solar LLC 42134 Harper Lake Rd, Hinkley 92347			Chemical Location Alpha&Beta Power Block				CERS ID 10453255 Facility ID FA0014607 Status Draft				
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities		Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)				
			Max. Daily	Largest Cont.			Component Name	% Wt	EHS	CAS No.	
	BL1260	Gallons	500	500	500	0	- Health Skin	Carbohydrazide	20%	497-18-7	
	<u>CAS No.</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>	<u>Waste Code</u>	Corrosion	Other components below reportable levels	80%		
		<u>Liquid</u>	<u>Plastic/Non-metallic Drum</u>				Irritation				
		<u>Type</u>			<u>Temperature</u>		- Health				
		<u>Mixture</u>	Days on Site: 365				Respiratory Skin Sensitization				
DOT: 8 - Corrosives (Liquids and Solids)	BL1794	Gallons	500	500	500	0	- Health Skin	Trisodium phosphate	5%	7601-54-9	
	<u>CAS No.</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>	<u>Waste Code</u>	Corrosion	Other components below reportable levels	95%		
		<u>Liquid</u>	<u>Plastic/Non-metallic Drum</u>		<u>Ambient</u>		Irritation				
		<u>Type</u>			<u>Temperature</u>		- Health Serious				
		<u>Mixture</u>	Days on Site: 365		<u>Ambient</u>	123	Eye Damage Eye Irritation				
	BL8411	Pounds	9000	9000	9000	0	- Physical	cyclohexanamine	30%	108-91-8	✓
	<u>CAS No.</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>	<u>Waste Code</u>	Flammable	Ethanolamine	20%	141-43-5	✓
		<u>Liquid</u>	<u>Plastic/Non-metallic Drum</u>		<u>Ambient</u>		- Health Acute	Amines, tallow alkyl, ethoxylated	3%	61791-26-2	
		<u>Type</u>			<u>Temperature</u>		Toxicity	N'-[(Z)-octadec-9-enyl]propane-	3%	7173-62-8	
		<u>Mixture</u>	Days on Site: 365		<u>Ambient</u>		- Health Skin	1,3-diamine	60%		
							Corrosion	Other components below reportable levels			
							Irritation				
							- Health Serious				
							Eye Damage Eye Irritation				

Hazardous Materials And Wastes Inventory Matrix Report											
CERS Business/Org. Mojave Solar LLC Facility Name Mojave Solar LLC 42134 Harper Lake Rd, Hinkley 92347			Chemical Location Alpha&Beta Water Treatment Plant				CERS ID 10453255 Facility ID FA0014607 Status Draft				
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities		Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)				
			Max. Daily	Largest Cont.			Component Name	% Wt	EHS	CAS No.	
	P813E	Gallons	100	5	5	0	- Health Acute	Distillates	30%	64742-47-8	
	<u>CAS No.</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>	<u>Waste Code</u>	Toxicity	(petroleum),Hydrotreated Light			
		<u>Liquid</u>	<u>Plastic Bottle or Jug</u>		<u>Ambient</u>		- Health Serious	Alcohols, C10-16, Ethoxylated	3%	68002-97-1	
		<u>Pure</u>			<u>Temperature</u>		Eye Damage Eye Irritation	Alcohols, C12-14, Ethoxylated	3%	68439-50-9	
		<u>Mixture</u>	Days on Site: 365		<u>Ambient</u>			Alcohols, C12-16-ethoxylated	3%	68551-12-2	
DOT: 8 - Corrosives (Liquids and Solids)	RL100	Gallons	2000	55	500	0	- Health Acute	Ethylene diamine tetraacetic acid, 60%		64-02-8	
	<u>CAS No.</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>	<u>Waste Code</u>	Toxicity	tetrasodium salt	2%	1310-73-2	
		<u>Liquid</u>	<u>Plastic/Non-metallic Drum</u>		<u>Ambient</u>		- Health	Sodium hydroxide		5064-31-3	
		<u>Type</u>			<u>Temperature</u>		Respiratory Skin Sensitization	Nitrioltriacetic acid, trisodium salt 1%			
		<u>Mixture</u>	Days on Site: 365		<u>Ambient</u>	122	- Health Serious				
Corrosive							Eye Damage Eye Irritation				
							- Health				
							Aspiration Hazard				
							- Health Acute				
							Toxicity				
DOT: 8 - Corrosives (Liquids and Solids)	RL100	Gallons	2000	55	500	0	- Health Acute	Ethylene diamine tetraacetic acid, 60%		64-02-8	
	<u>CAS No.</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>	<u>Waste Code</u>	Toxicity	tetrasodium salt	2%	1310-73-2	
		<u>Liquid</u>	<u>Plastic/Non-metallic Drum</u>		<u>Ambient</u>		- Health	Sodium hydroxide		5064-31-3	
		<u>Type</u>			<u>Temperature</u>		Respiratory Skin Sensitization	Nitrioltriacetic acid, trisodium salt 1%			
		<u>Mixture</u>	Days on Site: 365		<u>Ambient</u>	122	- Health Serious				
Corrosive							Eye Damage Eye Irritation				
							- Health				
							Aspiration Hazard				
							- Health Acute				
							Toxicity				
	RL2000	Gallons	2000	55	500	0	- Health Acute	Citric Acid	30%	77-92-9	
	<u>CAS No.</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>	<u>Waste Code</u>	Toxicity	Sodium Citrate	7%	68-04-2	
		<u>Liquid</u>	<u>Plastic/Non-metallic Drum</u>		<u>Ambient</u>						
		<u>Type</u>			<u>Temperature</u>						
		<u>Mixture</u>	Days on Site: 365		<u>Ambient</u>	343					
DOT: 8 - Corrosives (Liquids and Solids)	RL2032	Gallons	1000	55	500	0	- Health Skin	Phosphoric Acid	10%	7664-38-2	
	<u>CAS No.</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>	<u>Waste Code</u>	Corrosion				
		<u>Liquid</u>	<u>Plastic/Non-metallic Drum</u>		<u>Ambient</u>		Irritation				
		<u>Type</u>			<u>Temperature</u>		- Health Serious				
		<u>Mixture</u>	Days on Site: 365		<u>Ambient</u>		Eye Damage Eye Irritation				
DOT: 8 - Corrosives (Liquids and Solids)	RL3400	Gallons	1056	528	500	0	- Physical	Sodium hydroxide	3%	1310-73-2	
	<u>CAS No.</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>	<u>Waste Code</u>	Corrosive To	Other components below reportable levels	97%		
		<u>Liquid</u>	<u>Tote Bin</u>		<u>Ambient</u>		Metal				
		<u>Type</u>			<u>Temperature</u>		- Health Skin				
		<u>Mixture</u>	Days on Site: 365		<u>Ambient</u>	122	Corrosion				
Corrosive							Irritation				

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Hazardous Materials And Wastes Inventory Matrix Report										
CERS Business/Org. Mojave Solar LLC		Chemical Location					CERS ID 10453255			
Facility Name Mojave Solar LLC		Alpha&Beta Water Treatment Plant					Facility ID FA0014607			
42134 Harper Lake Rd, Hinkley 92347							Status Draft			
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
DOT: 8 - Corrosives (Liquids and Solids)	RL9009	Gallons	1000	500	500	0	- Physical Oxidizer	2-Butenedioic acid (Z)	10%	26099-09-2
								-homopolymer		
								2-phosphonobutane-1,2,4-tricarboxylic Acid	10%	37971-36-1
								Diethylenetriaminepenta (methylenePhosphonic Acid), Sodium Salt	10%	22042-96-2
Corrosive						343	- Health Skin Corrosion Irritation	Other components below reportable levels	80%	

Hazardous Materials And Wastes Inventory Matrix Report										
CERS Business/Org. Mojave Solar LLC		Chemical Location					CERS ID 10453255			
Facility Name Mojave Solar LLC		Water Treatment Plant					Facility ID FA0014607			
42134 Harper Lake Rd, Hinkley 92347							Status Draft			
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
DOT: 9 - Misc. Hazardous Materials	AWC C-209 RO NF Membrane cleaner	Pounds	1200	5	100	5	- Health Respiratory Skin Sensitization	Amido Sulfonic Acid	10%	5329-14-6
								Fluoride Salts	10%	7681-49-4
Corrosive						214				
DOT: 9 - Misc. Hazardous Materials	AWC C-227 RO NF Membrane cleaner	Pounds	1200	5	100	5	- Health Respiratory Skin Sensitization	Sodium Carbonate Peroxyhydrate	30%	15630-4
								Sodium Carbonate	30%	497-19-8
								Proprietary Blend	40%	N/A
Toxic						214				

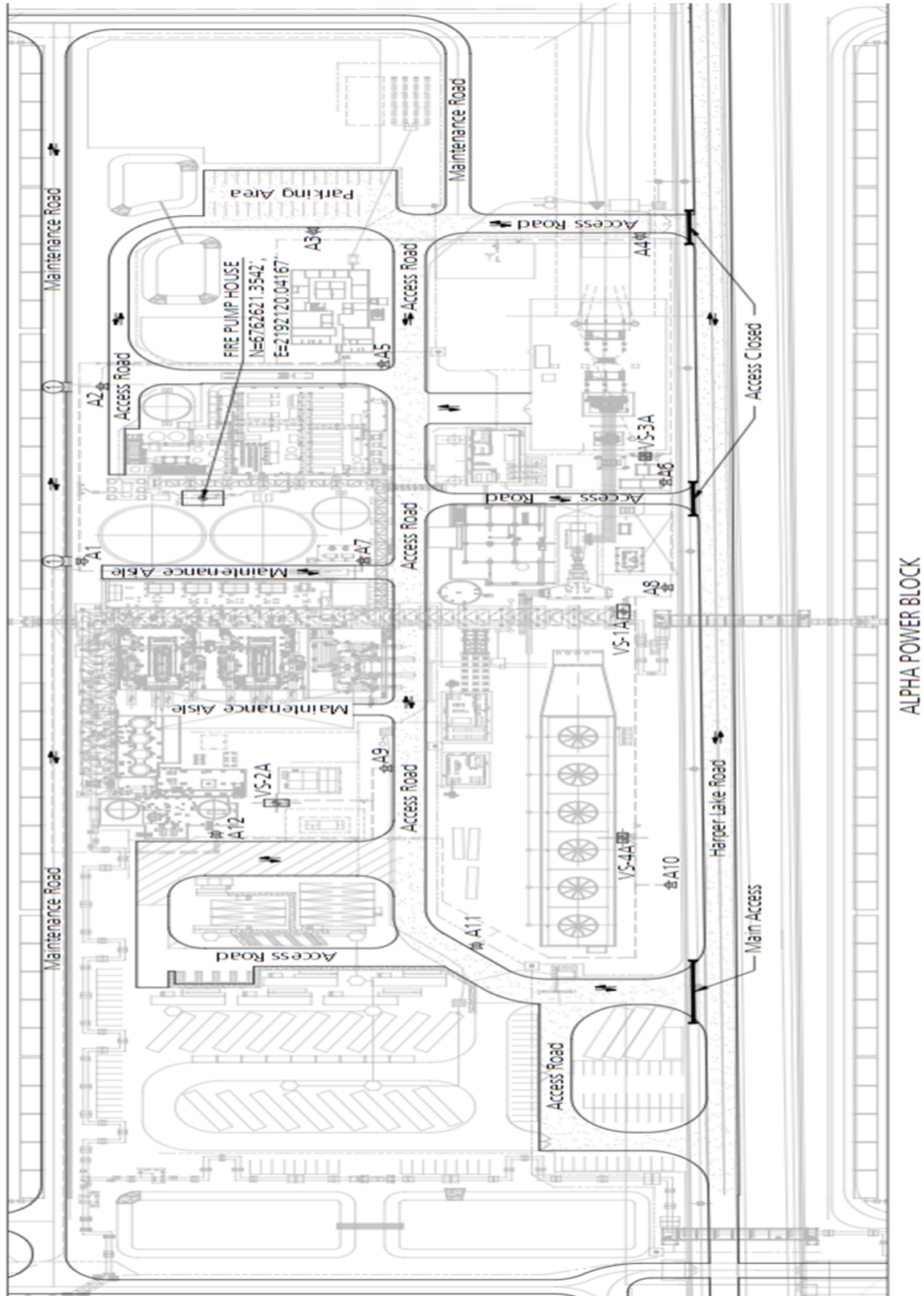
8.2 Annex 2

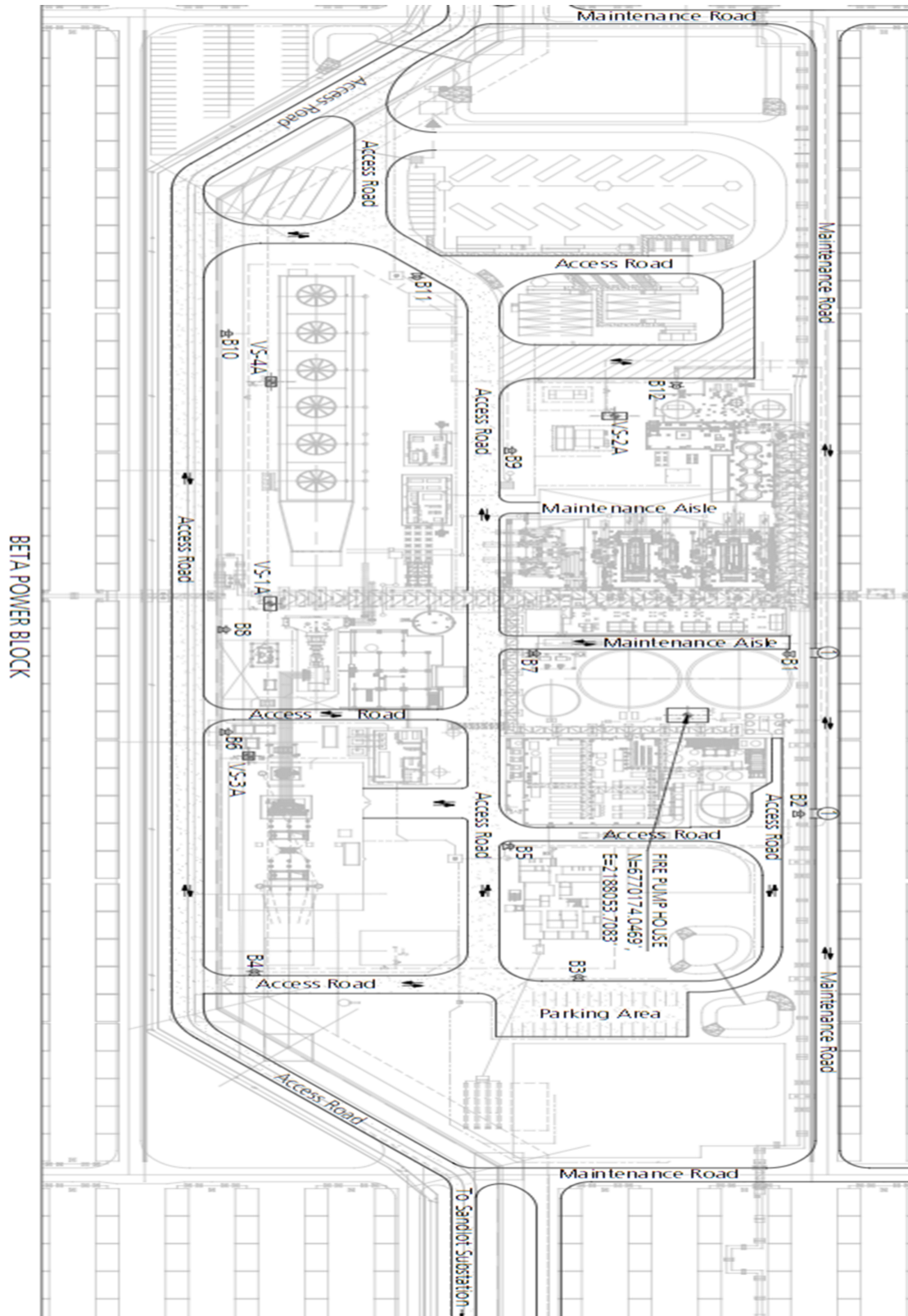
General Layout Map for the site and for the Power Blocks and Evacuation Routes and Assembly Areas Map.

Extinguisher location Map.

Spill kit locations Map.

Safety Shower Location Map.

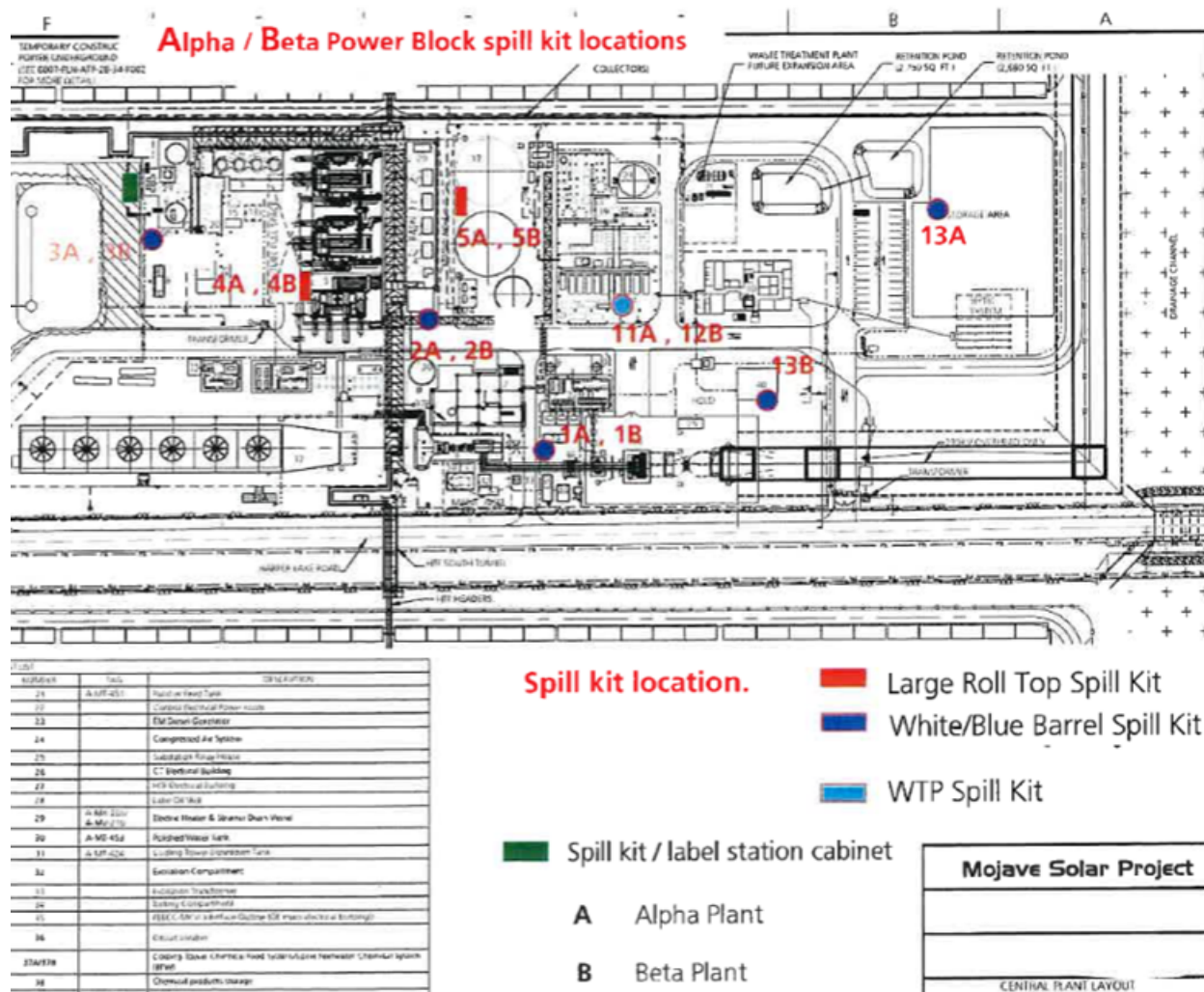


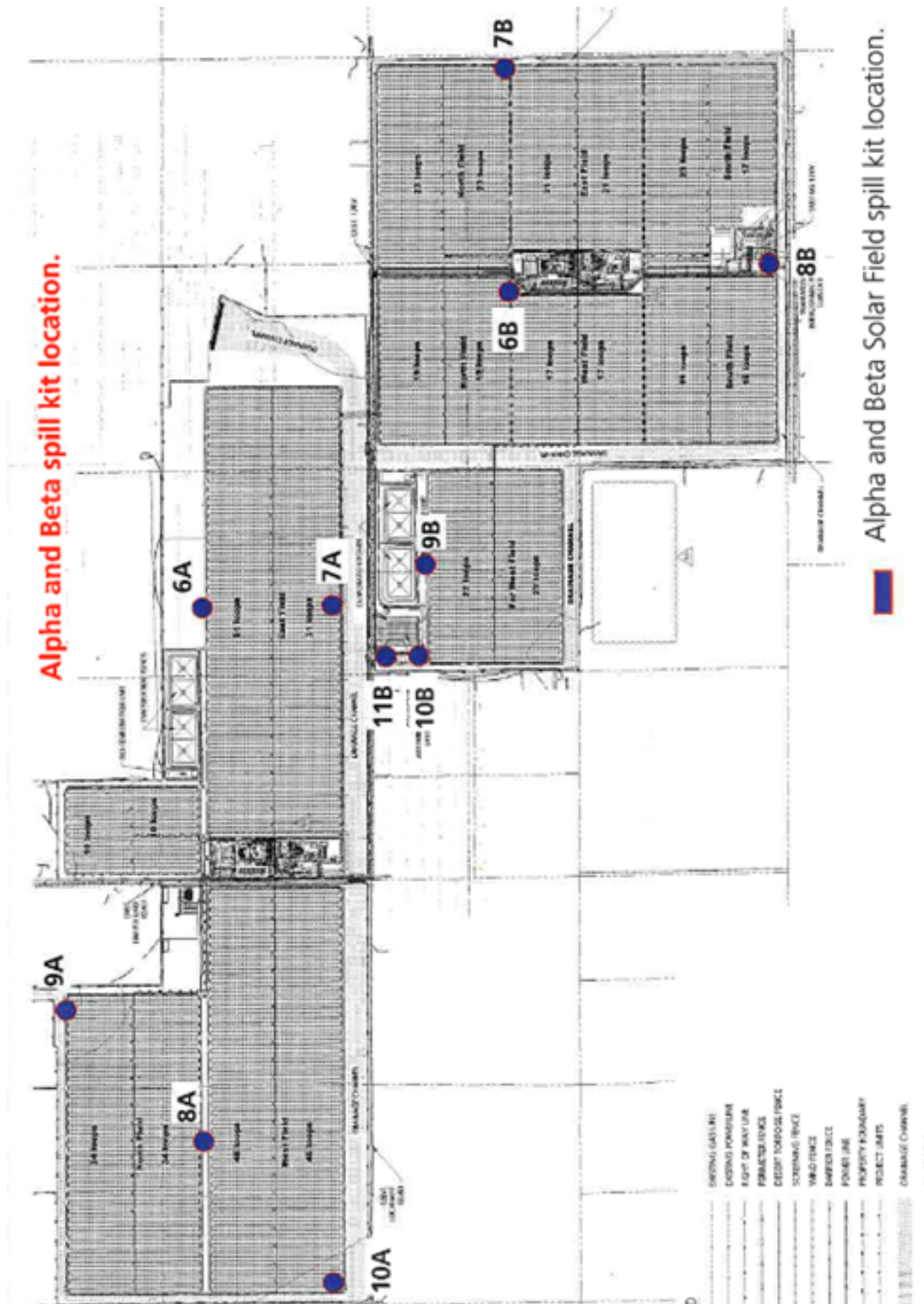


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Alpha Eyewash Stations Location Map:



Beta Eyewash Stations Location Map:

