

**DOCKETED**

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# Section 20

## **Bio-27**

### **Couch's Spade Foot Toad**

**Verification:** No less than 30 days prior to construction-related ground disturbance the Project owner shall submit to the CPM and CDFG a final Protection and Mitigation Plan. Modifications to the Protection and Mitigation

Plan shall be made only after approval from the CPM, in consultation with CDFG.

If the Protection and Mitigation Plan includes creation of ponds, the number and acreage of created ponds shall be described in the plan. No less than 90 days prior to operation of Project the Project owner shall provide to the CPM as-built drawings and photographs of the created ponds and maps showing the size and location of the ponds in relation to project features. On January 31<sup>st</sup> of every year following initiation of operation of the Project the Project owner shall submit reports to the CPM documenting the capacity of the created ponds to hold water for at least 9 days during the spadefoot toad breeding season. If ponds fail to hold water as described above the Project owner shall implement remedial actions. The annual reporting may be terminated upon satisfactory demonstration of this performance standard, and with approval of the CPM.

Response:

No mitigation ponds were required and none were built.

\*\*Requesting permission to remove from Future Report.

# Section 21

**HAZ-1** The project owner shall not use any hazardous materials not listed in Appendix A, below, or in greater quantities or strengths than those identified by chemical name in Appendix A, below, unless approved in advance by the Compliance Project Manager (CPM).

**Verification:** The project owner shall provide to the CPM, in the Annual Compliance Report, a list of hazardous materials contained at the facility. The attached Appendix A list, includes the chemical names and quantities used on the Genesis Solar, LLC site.

Material	CAS No.	Application	Hazard Characteristics	Maximum Quantity On Site	CERCLA Sara RQ	RQ in Gallons of Product
Acetylene	74-86-2	Welding Gas	Health: moderate toxicity Physical: toxic	990 cubic feet	NR	
Argon	7440-37-1	Welding Gas	Health: low toxicity Physical: non-flammable gas	1980 cubic feet	NR	
Carbon Dioxide	124-38-9	Welding Gas	Health: moderate toxicity Physical: non-flammable gas	556 lbs	NR	
Diesel Fuel	68476-34-6	Equipment refueling and emergency diesel fire pump	Health: low toxicity Physical: combustible	2800 gallons	NR	
Nitrogen	7727-37-9	HTF System	Health: low toxicity	2640 cubic feet	NR	
Oxygen	7782-44-7	Welding Gas	Health: low toxicity Physical: oxidizer	1320 cubic feet	NR	
Dow ThermaA	101-84-8	Heat Transfer Fluid (HTF) through out solar array	Health: moderate toxicity Physical: irritant: combustible liquid (class III-B)	1800000 gallons	100 pounds	42 gallons
Sodium Hypochlorite	7681-52-9	Biological control	Health: low toxicity Physical: N/A	1320 gallons	100	82 gallons
Sodium Bisulfite (30%)	7631-90-5	Bleach reduction for RO	Health: High toxicity Physical: Corrosive	1320 gallons	5000 gallons	1617 gallons
Antiscalent	37971-36-1	Antiscalent RO	Health: low toxicity Physical: N/A	660 gallons	NR	

Caustic (50%)	1310-73-2	pH Adjustment	Health: Medium toxicity Physical: Corrosive and irritating to the eyes and skin	660 gallons	1000 pounds	157 gallons
Sulfuric Acid (93%)	7664-93-9	pH Adjustment	Health: Medium toxicity Physical: Corrosive and irritating to the eyes and skin	2749 pounds	1000 pounds	70 gallons
Coagulant	10028-22-5	Solids reduction, lamella reducer	Health: Medium toxicity Physical: Corrosive and irritating to the eyes and skin	660 gallons	1000 pounds	253 gallons
Polymer	64742-47-8	Solids reduction, lamella reducer	Health: Medium toxicity Physical: Irritating to the eyes and skin	660 gallons	NR	
Ammonia Hydroxide (19.5%)	1336-21-6	pH Adjustment	Health: High toxicity Physical: Corrosive and irritating to the eyes and skin, can cause serious eye damage. Harmful if inhaled	660 gallons	1000 pounds	647 gallons
Phosphates	7601-54-9	phosphate treatment for steam generators	Health: Medium toxicity Physical: Irritating to the eyes and skin	660	5000 pounds	7275 gallons
Sodium Bromide	7647-15-6	Biological control	Health: High toxicity Physical: Corrosive and irritating to the eyes and skin, can cause serious eye damage. Harmful if inhaled	660 gallons	1000 pounds	900 gallons
Unleaded Gasoline	86290-81-5	Equipment refueling and emergency diesel fire pump	Health: low toxicity Physical: combustible	2000 gallons	NR	

## Section 22

**HAZ-6** The project owner shall also prepare a site-specific security plan for the commissioning and operational phases that will be available to the CPM for review and approval. The project owner shall implement site security measures that address physical site security and hazardous materials storage. The level of security to be implemented shall not be less than that described below (as per NERC 2002).

The Operation Security Plan shall include the following:

1. Permanent full perimeter fence or wall, at least eight feet high and topped with barbed wire or the equivalent;
2. Main entrance security gate, either hand operated or motorized;
3. Evacuation procedures;
4. Protocol for contacting law enforcement and the CPM in the event of suspicious activity or emergency;
5. Written standard procedures for employees, contractors, and vendors when encountering suspicious objects or packages on site or off site;
  - A. a statement (refer to sample, **ATTACHMENT A**), signed by the project owner certifying that background investigations have been conducted on all project personnel. Background investigations shall be restricted to determine the accuracy of employee identity and employment history and shall be conducted in accordance with state and federal laws regarding security and privacy;
  - B. a statement(s) (refer to sample, **ATTACHMENT B**), signed by the contractor or authorized representative(s) for any permanent contractors or other technical contractors (as determined by the CPM after consultation with the project owner), that are present at any time on the site to repair, maintain, investigate, or conduct any other technical duties involving critical components (as determined by the CPM after consultation with the project owner) certifying that background investigations have been conducted on contractors who visit the project site;
6. Site access controls for employees, contractors, vendors, and visitors;
7. A statement(s) (refer to sample, **ATTACHMENT C**), signed by the owners or authorized representative of hazardous materials transport vendors, certifying that they have prepared and implemented security plans in compliance with 49 CFR 172.802, and that they have conducted employee background investigations in accordance with 49 CFR Part 1572, subparts A and B;
8. Closed circuit TV (CCTV) monitoring system, recordable, and viewable in the power plant control room and security station (if separate from the control room) with cameras able to pan, tilt, and zoom, have low-light capability, and are able to view the outside entrance to the control room and the front gate; and,
9. Additional measures to ensure adequate perimeter security consisting of either:
  - A. security guard(s) present 24 hours per day, 7 days per week; **or**
  - B. power plant personnel on site 24 hours per day, 7 days per week, and one of the following:

Perimeter Beach Protectors or CCTV able to view both site entrance gates and 100% of the power block area perimeter. The project owner shall fully implement the security plans and obtain CPM approval of any substantive modifications to those security plans.

The CPM may authorize modifications to these measures, or may require additional measures such as protective barriers for critical power plant components— transformers, gas lines, and compressors—depending upon circumstances unique to the facility or in response to industry-related standards, security concerns, or additional guidance provided by the U.S. Department of Homeland Security, the U.S. Department of Energy, or the North American Electrical Reliability Council, after consultation with both appropriate law enforcement agencies and the applicant.

**Verification:** At least thirty (30) days prior to the initial receipt of hazardous materials on site, the project owner shall notify the CPM that a site-specific operations site security plan is available for review and approval. In the annual compliance report, the project owner shall include a statement that all current project employee and appropriate contractor background investigations have been performed, and that updated certification statements have been appended to the operations security plan. In the annual compliance report, the project owner shall include a statement that the operations security plan includes all current hazardous materials transport vendor certifications for security plans and employee background investigations

Response:

Due to national security measures, the security plan is not attached, however, the CPM has reviewed and approved the plan.

**The following documentation is a record of the Affidavit of Compliance signed by the Plant General Manager complying with the CEC Haz-6 Condition of Certification**