DOCKETED	
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Project Title:	Willow Rock Energy Storage Center – Compliance
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Document Title:	VERIFICATION LANGUAGE CHANGES FOR FACILITY DESIGN CONDITIONS OF CERTIFICATION
Description:	VERIFICATION LANGUAGE CHANGES FOR FACILITY DESIGN CONDITIONS OF CERTIFICATION (CIVIL-1, GEN-2, GEN-4, GEN-5)
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Verification Language Changes Approved by the DCBO

CIVIL-1
The project owner shall submit to the DCBO for review and approval the following:
1. Design of the proposed drainage structures and the grading plan;
2. An erosion and sedimentation control plan;
3. Related calculations and specifications, signed and stamped by the responsible civil engineer; and
4. Soils, geotechnical, or foundation investigations reports required by the 2022 Building Code.

Verification: At least 45~~15~~ days (or a project owner and DCBO mutually agreed upon alternative time frame) prior to the start of the October 1, 2026 rainy season for the Early Works area as defined in Table 1 of MCR No. 4, ~~site grading~~ and 15 days prior to start of site grading for the Later Works area, as defined in Table 1 of MCR No. 4, the project owner shall submit the documents described above to the DCBO for design review and approval. In the next MCR following the DCBO's approval, the project owner shall submit a written statement certifying that the documents have been approved by the DCBO.

Note: The change in timing for the condition makes it consistent with when SWPPPs/Best Mgmt Practices must be in place.

GEN-2
Before submitting the initial engineering designs for DCBO review, the project owner shall furnish the CPM and the DCBO with a schedule of facility design submittals, and master drawings and master specifications list. The master drawings and master specifications list shall contain a list of proposed submittal packages of designs, calculations, and specifications for major structures, systems, and equipment. Major structures, systems, and equipment are structures and their associated components or equipment that are necessary for energy storage and/or power production, costly or time consuming to repair or replace, are used for the storage, containment, or handling of hazardous or toxic materials, or could become potential health and safety hazards if not constructed according to applicable engineering LORS. The schedule shall contain the date of each submittal to the DCBO. To facilitate audits by the CEC staff, the project owner shall provide specific packages to the CPM upon request.

Verification: At least 60 days (or a project owner and DCBO mutually agreed upon alternative time frame) prior to the start of Early Works rough grading for the Early Works packages and 60 days prior to rough grading for the Later Works packages (or a project owner and DCBO mutually agreed upon alternative time frame), the project owner shall

submit to the DCBO and to the CPM the schedule, and the master drawings and master specifications list of documents to be submitted to the DCBO, for review and approval. These documents shall be the pertinent design documents for the major structures, systems, and equipment defined above in Condition of Certification **GEN-2**. Major structures, systems, and equipment shall be added to or deleted from the list only with CPM approval. The project owner shall provide schedule updates in the monthly compliance report (MCR).

Note: These changes create different compliance timeframes Early Works and Later Works.

GEN-4
Prior to the start of rough grading, the project owner shall assign a California-registered architect, or a structural or civil engineer, as the resident engineer in charge of the project.

The resident engineer may delegate responsibility for portions of the project to other registered engineers. Registered mechanical and electrical engine may be delegated responsibility for mechanical and electrical portions of t project, respectively. A project may be divided into parts, provided that each part is clearly defined as a distinct unit. Separate assignments of general responsibility may be made for each designated part.

The resident engineer shall:

1. Monitor progress of construction work requiring DCBO design review and inspection to ensure compliance with LORS;

2. Ensure that construction of all facilities subject to DCBO design review and inspection conforms in every material respect to applicable LOR these Conditions of Certification, approved plans, and specifications

3. Prepare documents to initiate changes in approved drawings and specifications when either directed by the project owner or as required by the conditions of the project;

4. Be responsible for providing project inspectors and testing agencies with complete and up-to-date sets of stamped drawings, plans, specifications, and any other required documents;

5. Be responsible for the timely submittal of construction progress rep to the DCBO from the project inspectors, the contractor, and other engineers who have been delegated responsibility for portions of the project; and

6. Be responsible for notifying the DCBO of corrective action or the

disposition of items noted on laboratory reports or other tests when they do not conform to approved plans and specifications.

The resident engineer (or their delegate) must be located at the project site or be available at the project site within a reasonable time, during any hours in which construction takes place.

The resident engineer shall have the authority to halt construction and to require changes or remedial work if the work does not meet requirements.

If the resident engineer or the delegated engineers are reassigned or replaced, the project owner shall submit the name, qualifications, and registration number of the newly assigned engineer to the DCBO for review and approval. The project owner shall notify the CPM of the DCBO's approval of the new engineer.

Verification: At least 30 days (or a project owner and DCBO mutually agreed upon alternative time frame) prior to the start of Later Works rough grading, the project owner shall submit to the DCBO for review and approval, the resume and registration number of the resident engineer and any other delegated engineers assigned to the project. The project owner shall notify the CPM of the DCBO's approvals of the RE and other delegated engineer(s) within five days of the approval.

If the resident engineer or the delegated engineer(s) is subsequently reassigned or replaced, the project owner shall within five days submit the name, qualifications, and registration number of the newly assigned engineer to the DCBO for review and approval. The project owner shall notify the CPM of the DCBO's approval of the new engineer within five days of the approval.

Note: This change modifies the compliance timing to better reflect when the Resident Engineer must be available.

GEN-5

Prior to the start of rough grading, the project owner shall assign at least one of each of the following California registered engineers to the project: a civil engineer; a soils, geotechnical, or civil engineer experienced and knowledgeable in the practice of soils engineering; and an engineering geologist. Prior to the start of construction, the project owner shall assign at least one of each of the following California registered engineers to the project: a design engineer who is either a structural engineer or a civil engineer fully competent and proficient in the design of project structures and equipment supports; a mechanical engineer; and an electrical engineer. (California Business and

Professions Code, sections 6704, 6730, 6731, and 6736 require state registration to practice as a civil engineer or structural engineer in California.)

The tasks performed by the civil, mechanical, electrical, or design engineers may be divided between two or more engineers, as long as each engineer is responsible for a particular segment of the project (for example, proposed earthwork, civil structures, project structures, equipment support). No segment of the project shall have more than one responsible engineer. The transmission line may be the responsibility of a separate California registered electrical engineer.

The project owner shall submit to the DCBO for review and approval, the names, qualifications, and registration numbers of all responsible engineers assigned to the project.

If any one of the designated responsible engineers is subsequently reassigned or replaced, the project owner shall submit the name, qualifications and registration number of the newly assigned responsible engineer to the DCBO for review and approval. The project owner shall notify the CPM of the DCBO's approval of the new engineer.

1. The civil engineer shall:
    a. Review the foundation investigations, geotechnical, or soils reports prepared by the soils engineer, the geotechnical engineer, or by a civil engineer experienced and knowledgeable in the practice of soils engineering;
    b. Design (or be responsible for the design of), stamp, and sign all plans, calculations, and specifications for proposed site work, civil works, and related facilities requiring design review and inspection by the DCBO. These include, but may not be limited to grading, site preparation, excavation, compaction, construction of secondary containment, foundations, erosion and sedimentation control structures, drainage facilities, underground utilities, culverts, site access roads, and sanitary sewer systems; and
    c. Provide consultation to the resident engineer during the construction phase of the project and recommend changes in the design of the civil works facilities and changes to the construction procedures.

2. The soils engineer, geotechnical engineer, or civil engineer experienced and knowledgeable in the practice of soils engineering, shall:

    a. Review all the engineering geology reports;
    b. Prepare the foundation investigations, geotechnical, or soils

reports containing field exploration reports, laboratory tests, and engineering analysis detailing the nature and extent of the soils that could be susceptible to liquefaction, rapid settlement, or collapse when saturated under load;

c. Be present, as required, during site grading and earthwork to provide consultation and monitor compliance with requirements set forth in the 2022 Building Code (depending on the site conditions, this may be the responsibility of either the soils engineer, the engineering geologist, or both); and
d. Recommend field changes to the civil engineer and resident engineer.
e. This engineer shall be authorized to halt earthwork and to require changes if site conditions are unsafe or do not conform to the predicted conditions used as the basis for design of earthwork or foundations.

3. The engineering geologist shall:
   a. Review all the engineering geology reports and prepare a final soils grading report; and
   b. Be present, as required, during site grading and earthwork to provide consultation and monitor compliance with the requirements set forth in the 2022 Building Code (depending on the site conditions, this may be the responsibility of either the soils engineer, the engineering geologist, or both).

4. The design engineer shall:
   a. Be directly responsible for the design of the proposed
   b. structures and equipment supports;
   c. Provide consultation to the RE during design and construction of the project;
   d. Monitor construction progress to ensure compliance with engineering LORS;
   e. Evaluate and recommend necessary changes in design; and
   f. Prepare and sign all major building plans, specifications, and calculations.

5. The mechanical engineer shall be responsible for, and sign and stamp a statement with, each mechanical submittal to the DCBO, stating that the proposed final design plans, specifications, and calculations conform to all of the mechanical engineering design requirements set forth in the CEC's decision.

6. The electrical engineer shall:

a. Be responsible for the electrical design of the project; and
b. Sign and stamp electrical design drawings, plans, specifications, and calculations.

Verification: At least 30 days (or a project owner and DCBO mutually agreed upon alternative time frame) prior to the start of Later Works rough grading, the project owner shall submit to the DCBO for review and approval, resumes and registration numbers of the responsible civil engineer, soils (geotechnical) engineer, and engineering geologist assigned to the project.

At least 30 days (or a project owner and DCBO mutually agreed upon alternative time frame) prior to the start of Later Works construction, the project owner shall submit to the DCBO for review and approval, resumes and registration numbers of the responsible design engineer, mechanical engineer, and electrical engineer assigned to the project.

The project owner shall notify the CPM of the DCBO's approvals of the responsible engineers within five days of the approval.

If any one of the designated responsible engineers is subsequently reassigned or replaced, the project owner shall within five days submit the name, qualifications, and registration number of the newly assigned responsible engineer to the DCBO for review and approval. The project owner shall notify the CPM of the DCBO's approval of the new engineer within five days of the approval.

Note: This change modifies the compliance timing to better reflect when the engineers must be available.