

DOCKETED

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Description:	Demolition of Encina Demolition - Monthly Compliance Report for April 2021.
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Organization:	Carlsbad Energy Center LLC
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May 14, 2021

Mr. Anwar Ali, PhD
Compliance Project Manager
Amended Carlsbad Energy Center Project (07-AFC-06C)
California Energy Commission
1516 Ninth Street (MS-2000)
Sacramento, CA 95814

**RE: AMENDED CARLSBAD ENERGY CENTER PROJECT, DOCKET NO. 07-AFC-06C, DEMOLITION OF ENCINA POWER STATION
CONDITION OF CERTIFICATION, COM-6
APRIL 2021, MONTHLY COMPLIANCE REPORT**

Dear Dr. Ali:

Cabrillo Power I, LLC ("Project Owner") submits the April 2021 Monthly Compliance Report (MCR) in compliance with the AFC Docket No. 07-AFC-06C, Conditions of Certification (COCs) COM-6 for the Amended Carlsbad Energy Center Project (ACECP) located at 4600 Carlsbad Boulevard, Carlsbad, California.

During the month of April 2021, demolition activities included the following: interior and exterior asbestos abatement, removal of numerous facility structures and equipment within the powerblock building, torch cutting of equipment (structural components piping, etc.), and demolition of the stack chimney.

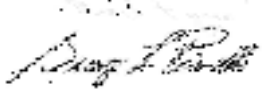
A Peregrine Falcon nest which is a special status species in California was located on April 3, 2021 at 133-feet above the exterior grade on the eastern side of the Powerblock. The EPS demolition project Designated Biologist (DB) immediately established a 100-foot Environmental Sensitive Area (ESA) surrounding the nest location which prohibited all work within the ESA boundary. The DB then consulted with the California Energy Commission (CEC), United States Fish and Wildlife Service, and the California Department of Fish & Wildlife (Jurisdictional Agencies) to determine the best approach for monitoring and managing stack demolition and other project activities during the nesting and fledgling period. The jurisdictional agencies approved the use of a 100-foot ESA and a Nest Monitoring Plan which outlines the continuous monitoring of the urbanized falcon pair, nest, and potential chicks during active demolition activities.

Completion of demolition activities is targeted for April 2022 per the revised project schedule.

Mr. Anwar Ali
May 14, 2021

If you have any questions or comments, please do not hesitate to contact me at (760) 707-6833.

Sincerely,

A handwritten signature in black ink, appearing to read "George L. Piantka", written over a faint circular stamp.

George L. Piantka, PE
Sr. Director, Regulatory Environmental Services
NRG Energy, Inc.

Attached: Amended Carlsbad Energy Center Project (07-AFC-06C), California
Energy Commission, Monthly Compliance Report, April 2021

cc: File



**Amended Carlsbad
Energy Center Project
Encina Power Station
Demolition
(07-AFC-06C)
California Energy Commission
Monthly Compliance Report
COM-6**

April 2021

***Submitted by: Cabrillo Power I LLC
Date Submitted: 05-14-2021***

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List of Attachments

Attachment A:	COMPLIANCE-5 and COMPLIANCE-6: Key Events Schedule and Compliance Matrix – April 2021
Attachment B:	COMPLIANCE-6: Project Schedule, April 2021
Attachment C	AQ-SC3: Air Quality Construction Compliance Summary, April 2021
Attachment D:	BIO-6: Phase II Biological Resources Monthly Compliance Report
Attachment E:	CUL-5 and PAL-5: Certification of Completion, Worker Environmental Awareness Program
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Attachment G	NOISE-2/COM-11: Noise Hotline Calls and Complaints, April 2021
Attachment H	TRANS-5: Roadway Inspection
Attachment I	TRANS-6: Summary Transportation Permits
Attachment J	TRANS-8: Encroachment Permits Statement
Attachment K	SOIL&WATER-2: Construction Water Usage Summary SOIL&WATER-9: Wastewater Summary
Attachment L	GEN-2 and TSE-1: Master Drawing List Update
Attachment M	GEN-3: Proof of DCBO Payment
Attachment N	CIVIL-1, GEN-6, MECH-1: DCBO Plan Approvals and Mechanical Inspections
Attachment O	WORKER SAFETY-3: Construction Safety Supervisor Monthly Report
Attachment P	WORKER SAFETY-4: CBO Safety Monitor Inspection Monthly Report
Attachment Q	CIVIL-3 and STRUC-2: Non-Conformance Report Log

I. Summary

This Monthly Compliance Report (MCR) focuses on Phase IV of the Amended Carlsbad Energy Center Project (i.e., demolition of Encina Power Station) as Phases I-III - pre-construction and construction/operations phases of ACECP and decommissioning of Encina Power Station - have been completed. MCRs documenting those phases of work can be found in Compliance Proceedings for the Carlsbad Energy Center Project (docket number 07-AFC-06C).

a. Demolition Status

Phase III (decommissioning) activities began December 11, 2018 with the retirement of the Encina Power Station; decommissioning was completed by Cabrillo Power I LLC (owner of Encina Power Station) in December 2019. The Project Owner completed all compliance activities and COC submittals necessary to achieve Phase IV, Start of Demolition, in December 2019. Demolition preparation was conducted December 2019 through January 2020; abatement and demolition began on January 29, 2020.

Due to the COVID-19 pandemic and the California State of Emergency, demolition activities were suspended from April 20, 2020 until July 5, 2020. Demolition-related equipment and materials were placed in a safe-condition and storm water best management practices were confirmed by on-site personnel during the suspension of demolition activities.

Demolition activities recommenced during the week of July 6-10, 2020 with limited remobilization during which staff were re-orientated to the site and the scope of work, and safety trained.

Full-scale demolition activities during April 2021 included the following: interior and exterior asbestos abatement, removal of numerous facility structures and equipment within the powerblock building, torch cutting of equipment (structural components, piping, etc.), and demolition of the stack chimney.

A Peregrine Falcon nest which is a special status species in California was located on April 3, 2021 at 133-feet above the exterior grade on the eastern side of the Powerblock. The EPS

demolition project Designated Biologist (DB) immediately established a 100-foot Environmental Sensitive Area (ESA) surrounding the nest location which prohibited all work within the ESA boundary. The DB then consulted with the California Energy Commission (CEC), United States Fish and Wildlife Service, and the California Department of Fish & Wildlife (Jurisdictional Agencies) to determine the best approach for monitoring and managing stack demolition and the other project activities during the nesting and fledgling period. The jurisdictional agencies approved the use of a 100-foot ESA and a Nest Monitoring Plan which outlines the continuous monitoring of the urbanized peregrine falcon pair, nest, and potential chicks during active demolition activities. A CEC approved biological monitor continuously observed the falcon pair during stack demolition activities within the ESA during the month of April 2021. No abnormal behaviors were observed during active demolition of the stack in April. The falcon pair continued to exhibit normal hunting, preening, vocalizations and incubating behavior during the month of April, and did not appear to be affected by demolition activities at any point. Stack demolition activities are currently postponed until early- to mid-June 2021 to avoid disturbance of the falcon chicks until they fledged and leave the nest.

b. Revised/Updated Schedule

Per COC COM-5, the Compliance Matrix and COC deliverables are provided in **Attachment A. Attachment B** provides a schedule of project milestones for demolition, remediation, and construction.

c. Explanation of Significant Permitting Activities and Changes to Schedule (as applicable)

Neither significant permitting activities pertaining to Phase IV nor **changes to schedule have occurred since the CEC's approval of ACECP in 2015.** The City of Carlsbad approved a 9-month extension to Phase IV via a City Resolution in December 2019. While we anticipate completing Phase IV by second quarter of 2022, the extension allows completion by third quarter of 2022.

The updated project schedule is provided in **Attachment B.**

II. List of documents submitted to meet specific conditions

- a. AQ-SC2: Air Quality Demolition Mitigation Plan
- b. AQ-SC3: Construction Fugitive Dust Control - Air Quality Compliance Monthly Report.
- c. AQ-SC4: Dust Plume Response Requirement - Air Quality Compliance Monthly Report.
- d. AQ-SC5: Diesel-Fueled Engine Control – Air Quality Compliance Monthly Report.
- e. GEN-1: CBO Notice
- f. NOISE-1: Community Mailer and Noise Complaint Hotline Number
- g. NOISE-3: Noise Control Program
- h. SOIL&WATER-2: Non-Potable Construction Water Use Plan
 - i. SOIL&WATER-2&6: Construction water usage summary.
- i. SOIL&WATER-4&9: SDRWQCB email dated 11/22/2019
- j. SOIL&WATER-9: Wastewater disposal summary
- k. TRANS-1: Demolition Traffic Control Plan
- l. TRANS-7: Demolition Parking and Staging Plan
- m. WASTE-5: Demolition Waste Management Plan
- n. WORKER SAFETY-1: Demolition Safety and Health Program
- o. WORKER SAFETY-3: Construction Safety Supervisor monthly report
- p. WORKER SAFETY-4: CBO Safety Monitor monthly report
- q. WASTE-6: Asbestos Notification Form to San Diego Air Pollution Control District - Email dated 6/29/2020 (5th Revision Notice)

III. Updated Compliance Matrices

The Compliance Matrix updated to reflect the ACECP is included in **Attachment A**.

IV. List of conditions satisfied during reporting period including reference to actions which satisfied certification

Air Quality: AQ-SC3, AQ-SC4, and AQ-SC5 - Air Quality Construction Compliance inspections and report. See **Attachment C**.

Biological Resources: BIO-5, BIO-6, BIO-7, and BIO-8 – Biological Resources Compliance inspections and report. See **Attachment D**.

NOISE-2/COM-11: Noise hotline log and complaint resolution process. See **Attachment G**.

WORKER SAFETY-3: Construction Safety Supervisor Monthly Report. See **Attachment O**.

WORKER SAFETY-4: CBO Safety Monitor Inspection Monthly Report. See **Attachment P**.

COM-13: Incident Reporting Requirements. See **Attachment R**.

V. List of submittal deadlines missed during reporting period including explanation and estimate of when information will be provided

None

VI. Cumulative list of approved changes to conditions of certification

The California Energy Commission approved changes to the COCs on August 3, 2015. An updated compliance matrix with amended COCs for demolition is provided in **Attachment A**.

VII. List of any filings with, or permits issued by, other governmental agencies during the month

None

VIII. Project compliance activities over next two months including changes to schedule

The Project Owner will make the following compliance filings, as needed, over the next two months:

- a. AQ-SC1: Air Quality Construction Mitigation Manager (AQCMM) will implement the monitoring and reporting requirements of AQ-SC2, AQ-SC3, AQ-SC4, and AQ-SC5.
- b. BIO-5: Worker Environmental Awareness Plan training (*if required*)
- c. BIO-6: Monitoring and reporting as required per the BRMIMP.
- d. COM-6: Submit Monthly Compliance Reports.
- e. SOIL&WATER-2: Water usage summary.
- f. TRANS-5: Inspection reports on roadway conditions. (*if required*)
- g. TRANS-6: Provide summary of overweight or oversized vehicle permits as needed. (*if required*)
- h. TRANS-8: Provide a summary of encroachment permits obtained or utilized during the reporting month. (*if required*)
- i. WASTE-1: Submit correspondence with San Diego County Department of Environmental Health as needed.
- j. WORKER SAFETY-5: As needed worker training on Automated External Defibrillator (AED) locations.
- k. COM-11: Complaints requiring notifications and reporting will be submitted to CPM
- l. COM-13: Incidents requiring notifications and reporting will be submitted to CPM

IX. Additions to on-site compliance file

Files are maintained onsite on a regular basis as COCs are implemented.

X. List of complaints, notices of violation, official warnings, citations received during month, description of resolutions of any resolved complaints and status of any unresolved complaints

No violations, official warnings, or citations related to the demolition of the Encina Power Station were received in April 2021. A summary table of calls and complaints logged and responded to are included, as applicable, in **Attachment G**.

ATTACHMENT A

**COMPLIANCE-5 AND COMPLIANCE-6
KEY EVENTS AND COMPLIANCE MATRIX
APRIL 2021**

CEC CONDITIONS OF CERTIFICATION

TECHINAL NAME	COC Number	Subtask	Condition Type	Deliverable Req.	Description	Comments	Date Submitted	Dated Approved by CEC
AQ-SC	1		Air Quality Manager	Y	Air Quality Construction/Demolition Mitigation Manager (AQCMM): The project owner shall designate and retain an on-site AQCMM who shall be responsible for directing and documenting compliance with conditions AQ-SC3, AQ-SC4, and AQ-SC5 for the entire project site and linear facility construction/demolition. The on-site AQCMM may delegate responsibilities to one or more AQCMM Delegates. The AQCMM and AQCMM Delegates shall have full access to all areas of construction on the project site and linear facilities and shall have the authority to stop any or all construction/demolition activities as warranted by applicable construction/demolition mitigation conditions. The AQCMM and AQCMM Delegates may have other responsibilities in addition to those described in this condition. The AQCMM shall not be terminated without written consent of the Compliance Project Manager (CPM).		8/26/2019	9/20/2019
AQ-SC	2		Air Quality Plan	Y	Air Quality Construction/Demolition Mitigation Plan (AQCMP): The project owner shall provide an AQCMP, for approval, which details the steps that will be taken and the reporting requirements necessary to ensure compliance with conditions AQ-SC3, AQ-SC4, and AQ-SC5.	Submitted to CEC on 10/16/19. Resubmitted with updates per CEC request 12/28/19. Docketed by CEC on 1/2/2020	10/16/2019, resubmitted 12/28/19	1/2/2020
AQ-SC	3	a	Air Quality Plan	Y	Construction Fugitive Dust Control: The AQCMM shall submit documentation to the CPM in each Monthly Compliance Report (MCR) that demonstrates compliance with the following mitigation measures for the purposes of preventing all fugitive dust plumes from leaving the project site and linear facility routes. Any deviation from the following mitigation measures shall require prior CPM notification and approval. A. All unpaved roads and disturbed areas in the project and laydown construction/demolition sites shall be watered as frequently as necessary to comply with the dust mitigation objectives of AQ-SC4. The frequency of watering may be reduced or eliminated during periods of precipitation. B. No vehicle shall exceed 10 miles per hour on unpaved areas within the project and laydown construction/demolition sites. C. The construction/demolition site entrances shall be posted with visible speed limit signs. D. All construction/demolition equipment vehicle tires shall be inspected and washed as necessary to be cleaned and free of dirt prior to entering paved roadways. E. Gravel ramps of at least 20 feet in length must be provided at the tire washing/cleaning station. F. All unpaved exits from the construction/demolition site shall be graveled or treated to prevent track-out to public roadways. G. All construction/demolition vehicles shall enter the construction/demolition site through the treated entrance roadways, unless an alternative route has been submitted to and approved by the CPM. H. Construction/demolition areas adjacent to any paved roadway shall be provided with sandbags or other measures as specified in the Storm Water Pollution Prevention Plan (SWPPP) to prevent runoff to roadways. I. All paved roads within the construction/demolition site shall be swept at least twice daily (or less during periods of precipitation) on days when construction/demolition activity occurs to prevent the accumulation of dirt and debris. J. At least the first 500 feet of any public roadway exiting the construction/demolition site shall be swept visually clean, using wet sweepers or air filtered dry vacuum sweepers, at least twice daily (or less during periods of precipitation) on days when construction/demolition activity occurs or on any other day when dirt or runoff from the construction/demolition site is visible on the public roadways.	included with AQ-SC2		
AQ-SC	3	b	Air Quality Plan		K. All soil storage piles and disturbed areas that remain inactive for longer than 10 days shall be covered or shall be treated with appropriate dust suppressant compounds. L. All vehicles that are used to transport solid bulk material on public roadways and that have the potential to cause visible emissions shall be provided with a cover or the materials shall be sufficiently wetted and loaded onto the trucks in a manner to provide at least two feet of freeboard. M. Wind erosion control techniques (such as windbreaks, water, chemical dust suppressants, and/or vegetation) shall be used on all construction/demolition areas that may be disturbed. Any windbreaks installed to comply with this condition shall remain in place until the soil is stabilized or permanently covered with vegetation. N. Disturbed areas will be re-vegetated as soon as practical. O. Haul trucks used during the Encina Power Station demolition shall be limited to traveling on paved or graveled surfaces at all times within the boundary of the Encina Power Station property. The fugitive dust requirements listed in this condition may be replaced with as stringent or more stringent methods as required by SDAPCD Rule 55.	included with AQ-SC2		
AQ-SC	4	a	Air Quality Plan	N	Dust Plume Response Requirement: The AQCMM or Delegate shall monitor all construction/demolition activities for visible dust plumes. Observations of visible dust plumes that have the potential to be transported: (1) off the project site, -(2) 200 feet beyond the centerline of the construction of linear facilities, (3) within 100 feet upwind of any regularly occupied structures not owned by the project owner, or (4) within 50 feet upwind of the I-5 freeway indicate that existing mitigation measures are not resulting in effective mitigation. The AQCMM or Delegate shall implement the following procedures for additional mitigation measures in the event that such visible dust plumes, other than those occurring upwind of the I-5 Freeway, are observed: Step 1: The AQCMM or Delegate shall direct more intensive application of the existing mitigation methods within 15 minutes of making such a determination. Step 2: The AQCMM or Delegate shall direct implementation of additional methods of dust suppression if Step 1 specified above fails to result in adequate mitigation within 30 minutes of the original determination. Step 3: The AQCMM or Delegate shall direct a temporary shutdown of the activity causing the emissions if Step 2 specified above fails to result in effective mitigation within one hour of the original determination. The activity shall not restart until the AQCMM or Delegate is satisfied that appropriate additional mitigation or other site conditions have changed so that visual dust plumes will not result upon restarting the shut-down source. The owner/operator may appeal to the CPM any directive from the AQCMM or Delegate to shut down an activity, provided that the shutdown shall go into effect within one hour of the original determination, unless overruled by the CPM before that time.	included with AQ-SC2		

CEC CONDITIONS OF CERTIFICATION

AQ-SC	4	b	Air Quality Plan		The AQCMM or Delegate shall implement the following procedures for additional mitigation measures in the event that such visible dust plumes occurring within 50 feet upwind of the I-5 Freeway are observed: Step 1: The AQCMM or Delegate shall immediately cease the activities causing the visible dust plumes if any obscuration of visibility is occurring to drivers on the I-5 freeway. The AQCMM or Delegate shall direct more intensive application of the existing mitigation methods immediately if the visible plumes are seen within 50 feet of the I-5 freeway but are not causing obscuration of visibility to drivers. Step 2: The AQCMM or Delegate shall direct implementation of additional methods of dust suppression and monitor the start-up and and/or continuation of the dust causing activities to ensure that the additional mitigation is effective. Step 3: The AQCMM or Delegate shall direct a temporary shutdown of the activity causing the emissions if Step 2 specified above fails to result in effective mitigation. The activity shall not restart until the AQCMM or Delegate is satisfied that appropriate additional mitigation or other site conditions have changed so that visual dust plumes that could impact visibility on the I-5 Freeway will not occur upon restarting the shut-down fugitive dust source.			
AQ-SC	5	a	Air Quality Plan	Y	Diesel-Fueled Engine Control: The AQCMM shall submit to the CPM, in the Monthly Compliance Report, a construction/demolition mitigation report that demonstrates compliance with the AQCMP mitigation measures for purposes of controlling diesel construction/demolition-related emissions. The following off-road diesel construction/demolition equipment mitigation measures shall be included in the Air Quality Construction Mitigation Plan (AQCMP) required by AQ-SC2, and any deviation from the AQCMP mitigation measures shall require prior CPM notification and approval. a) All diesel-fueled engines used in the construction/demolition of the facility shall have clearly visible tags issued by the on-site AQCMM showing that the engine meets the conditions set forth herein. b) All construction/demolition diesel engines with a rating of 50 hp or higher shall meet, at a minimum, the Tier 4 or 4i California Emission Standards for Off-Road Compression-Ignition Engines, as specified in California Code of Regulations, Title 13, section 2423(b)(1), unless a good faith effort to the satisfaction of the CPM that is certified by the on-site AQCMM demonstrates that such engine is not available for a particular item of equipment. In the event that a Tier 4 or 4i engine is not available for any off-road equipment larger than 50 hp, that equipment shall be equipped with a Tier 3 engine, or an engine that is equipped with retrofit controls to reduce exhaust emissions of nitrogen oxides (NOx) and diesel particulate matter (DPM) to no more than Tier 3 levels unless certified by engine manufacturers or the on-site AQCMM that the use of such devices is not practical for specific engine types. For purposes of this condition, the use of such devices is "not practical" for the following, as well as other, reasons. 1. There is no available retrofit control device that has been verified by either the California Air Resources Board or U.S. Environmental Protection Agency to control the engine in question to Tier 3 equivalent emission levels and the highest level of available control using retrofit or Tier 2 engines is being used for the engine in question; or 2. The construction/demolition equipment is intended to be on site for ten working days or less. 3. The CPM may grant relief from this requirement if the AQCMM can demonstrate a good faith effort to comply with this requirement and that compliance is not practical.	included with AQ-SC2		
AQ-SC	5	b	Air Quality Plan		c) The use of a retrofit control device may be terminated immediately, provided that the CPM is informed within ten working days of the termination and that a replacement for the equipment item in question meeting the controls required in item "b" occurs within ten days of termination of the use, if the equipment would be needed to continue working at this site for more than 15 days after the use of the retrofit control device is terminated, if one of the following conditions exists: 1. The use of the retrofit control device is excessively reducing the normal availability of the construction/demolition equipment due to increased down time for maintenance, and/or reduced power output due to an excessive increase in back pressure. 2. The retrofit control device is causing or is reasonably expected to cause engine damage. 3. The retrofit control device is causing or is reasonably expected to cause a substantial risk to workers or the public. 4. Any other seriously detrimental cause which has the approval of the CPM prior to implementation of the termination. d) All heavy earth-moving equipment and heavy duty construction/demolition-related trucks with engines meeting the requirements of (b) above shall be properly maintained and the engines tuned to the engine manufacturer's specifications. e) All diesel heavy construction/demolition equipment shall not idle for more than five minutes. Vehicles that need to idle as part of their normal operation (such as concrete trucks) are exempted from this requirement. f) Construction/demolition equipment will employ electric motors when feasible.			
<u>AQ-SC</u>	12		MCR	Y	The project owner shall not allow the overlap of specific construction and demolition phase activities. The following activities shall not be conducted concurrently with any of the other listed activities: 1. ASTs 5, 6, and 7 demolition (licensed CECP activity) 2. ASTs 1, 2, and 4 demolition and berm removal (PTR described activities). 3. Amended CECP construction (PTA described activities). 4. EPS demolition (PTA and Encina Power Station Demolition Plan described activities). In addition, the gas turbines initial commissioning activity and the EPS demolition activity shall not be performed concurrently.	N/A		
<u>AQ-SC</u>	13		MCR	Y	The project owner shall not implode or fell any concrete or mortar structure, such as the main exhaust stack or the power plant building, during the demolition of the Encina Power Station.			

CEC CONDITIONS OF CERTIFICATION

GEN	1	c	CBO	N	<p>The project owner shall design, construct, and inspect the project in accordance with the 2013 California Building Standards Code (CBSC), also known as Title 24, California Code of Regulations, which encompasses the California Building Code (CBC), California Administrative Code, California Electrical Code, California Mechanical Code, California Plumbing Code, California Energy Code, California Fire Code, California Code for Building Conservation, California Reference Standards Code, and all other applicable engineering laws, ordinances, regulations and standards (LORS) in effect at the time initial design plans are submitted to the chief building official (CBO) for review and approval (the CBSC in effect is the edition that has been adopted by the California Building Standards Commission and published at least 180 days previously). The project owner shall ensure that all the provisions of the above applicable codes are enforced during the construction, addition, alteration, moving, demolition, repair, or maintenance of the completed facility, including the demolition of above-ground fuel oil storage tanks 1, 2, and 4 (ASTs 1, 2, and 4), and the demolition of the Encina Power Station (EPS) (2013 CBC, Appendix Chapter 1, §1.1.3, Scope). All transmission facilities (lines, switchyards, switching stations and substations) are covered in the conditions of certification in the Transmission System Engineering section of this document.</p> <p>In the event that the initial engineering designs are submitted to the CBO when the successor to the 2013 CBSC is in effect, the 2013 CBSC provisions shall be replaced with the applicable successor provisions. Where, in any specific case, different sections of the code specify different materials, methods of construction or other requirements, the most restrictive shall govern. Where there is a conflict between a general requirement and a specific requirement, the specific requirement shall govern.</p> <p>The project owner shall ensure that all contracts with contractors, subcontractors, and suppliers clearly specify that all work performed and materials supplied comply with the codes listed above.</p>	Comments Received from CBO on Execution Plan on 12/4/19 Comments returned to CBO on 1-9-20. CBO approved on 1/22/2020	01/09/2020	1/22/2020
HAZ	7		Security Plan	Y	<p>Prior to commencing tank demolition, a site-specific Demolition and Construction Site Security Plan for the tank demolition and construction phases shall be prepared and made available to the CPM for review and approval. The Construction Security Plan shall include the following:</p> <ol style="list-style-type: none"> 1. perimeter security consisting of fencing enclosing the demolition and construction areas; 2. security guards; 3. site access control consisting of a check-in procedure or tag system for demolition and construction personnel and visitors; 4. written standard procedures for employees, contractors, and vendors when encountering suspicious objects or packages on-site or off-site; 5. protocol for contacting law enforcement and the CPM in the event of suspicious activity or emergency; and 6. evacuation procedures. 	Submitted to CEC	11/6/2019	11/19/2019
NOISE	1		Notice	Y	<p>At least 15 days prior to the start of any demolition activities associated with the amended CECP, the project owner shall notify the city of Carlsbad and all residents within one-half mile of the site, by mail or other effective means, of the commencement of project demolition and construction. At the same time, the project owner shall establish a telephone number for use by the public to report any undesirable noise conditions associated with the demolition, construction, and operation of the amended CECP and include that telephone number in the above notice. If the telephone is not staffed 24 hours per day, the project owner shall include an automatic answering feature, with date and time stamp recording, to answer calls when the phone is unattended. This telephone number shall be posted at the project site during construction in a manner visible to passersby. This telephone number shall be maintained until the project has been operational for at least one year, and all subsequent demolition activities at the Encina Power Station have been completed.</p>	Noise Notification has been completed and mailers sent out to public/residents within one mile on 9/23. Notice sent to CEC on 9/25/19	9/25/2019	12/18/2019
NOISE COMPLIANCE	1 11		Hot Line Response	Y	<p>Throughout the demolition of above-ground fuel oil storage tanks 1, 2, 4, 5, 6, and 7 (ASTs 1, 2, 4, 5, 6, and 7), construction and operation of the amended CECP, and demolition of the Encina Power Station the project owner shall document, investigate, evaluate, and attempt to resolve all project-related noise complaints. The project owner or authorized agent shall:</p> <ul style="list-style-type: none"> • Use the Noise Complaint Resolution Form (below), or a functionally equivalent procedure acceptable to the CPM, to document and respond to each noise complaint; • Attempt to contact the person(s) making the noise complaint within 24 hours (within 12 hours if the complaint is related to nighttime concrete pour); • Conduct an investigation to determine the source of noise related to the complaint; • Take all feasible measures to reduce the noise at its source if the noise is project related; and • Submit a report documenting the complaint and the actions taken. The report shall include: a complaint summary, including final results of noise reduction efforts and, if obtainable, a signed statement by the complainant stating that the noise problem is resolved to the complainant's satisfaction. 	Hot Line Established	8/13/2019	10/2/2019
NOISE	3		Letter	Y	<p>The project owner shall submit to the CPM for review and approval a noise control program and a statement, signed by the project owner's project manager, verifying that the noise control program will be implemented throughout the demolition of ASTs 5, 6, and 7, and construction and demolition activities associated with of the amended CECP. The noise control program shall be used to reduce employee exposure to high noise levels during demolition and construction in accordance with Title 8, California Code of Regulations, sections 5095-5099, and Title 29, Code of Federal Regulations, section 1910.95</p>	Prepared, submitted to CEC, and approved on 10/2/19	8/26/2019	10/3/2019

CEC CONDITIONS OF CERTIFICATION

NOISE	6		Letter	Y	<p>Noisy construction work relating to any project features shall be restricted to the times of day delineated below:</p> <p>Weekdays 7:00 a.m. to 6:00 p.m. Saturdays 8:00 a.m. to 6:00 p.m.</p> <p>Haul trucks and other engine-powered equipment shall be equipped with mufflers that meet all applicable regulations. Haul trucks shall be operated in accordance with posted speed limits. Truck engine exhaust brake use shall be limited to emergencies. For purposes of this condition, “noisy construction work” shall be defined as any project-related work that draws a noise complaint caused by the construction or demolition activities associated with the CECP, as opposed to another source, as verified by the CPM, pursuant to NOISE-2.</p>			
SOIL&WATER	2	a	Plan	Y	<p>Potable water shall not be used for any construction activity, including EPS demolition activities, that is suitable for non-potable water use if a non-potable water source is available at the project site. Prior to site mobilization, the project owner shall submit to the CPM a Non-Potable Construction Water Use Plan (plan) for the supply and use of non-potable water in construction activities. The plan shall consider the use of recycled water available at the site. The plan shall specify those construction activities that would use non-potable water and those construction activities that would use potable water. Potable water use for EPS demolition activities that are suitable for non potable water shall count toward the cumulative total limit, in accordance with SOIL&WATER-6.</p>	10/11/19 - NRG response submitted to CEC. Status request from CEC sent 11/12/19	10/11/2019	12/18/2019
SOIL&WATER	2	b	MCR	Y				
SOIL&WATER	4	a	Permit	Y	<p>The project owner shall submit to the San Diego Regional Water Quality Control Board (SDRWQCB) all information required by the SDRWQCB to obtain a Waste Discharge Requirements (WDR) Order for the discharge of EPS demolition wastewater to the Pacific Ocean in accordance with NPDES requirements. The project owner shall submit to the CPM all copies of correspondence between the project owner and the SDRWQCB regarding the WDR Order within 10 days of its receipt or submittal.</p>	SDRWQCB concurrence request for use of existing Industrial Permit and Storm Water Permit submitted 10/31/19. NRG submitted email to CEC from SDRWQCB in regards to permits on 11/22/2019.	11/22/2019	11/27/2019
SOIL&WATER	6	a	Water Use	Y	<p>During normal operation the project shall use no more than three acre-feet per year (AFY) of potable water for drinking, sanitary, and fire protection testing purposes. The project shall use recycled water for all industrial and landscape irrigation purposes during operation of the CECP, unless potable water is needed for emergency backup use. For the purpose of this condition, the term emergency shall mean the inability of the CECP to take, or for the city of Carlsbad to deliver, recycled water to the CECP in a quantity sufficient to meet CECP demand due to Acts of God, natural disaster, and other circumstances beyond the control of the project owner, including interruption of recycled water service and it is necessary for the CECP to prepare to or continue to operate to serve a peaking load. If more than 3AFY of potable water is needed during operation for non-emergency uses, the owner shall be required to file a formal petition to amend the project. If the CECP requires potable water for EPS demolition and emergencies that will cumulatively exceed 300 acre-feet, during the life of the project, the project owner shall file a petition to amend. All emergency water use shall be reported in annual compliance reports. Reported values shall include monthly</p>			
SOIL&WATER	6	b	Reporting	Y				
SOIL&WATER	9	a	Permit Reporting	Y	<p>Prior to transport and disposal of any facility construction or demolition-related wastewaters offsite, the project owner shall test and classify the stored wastewater to determine proper management and disposal requirements. The project owner shall provide evidence that wastewater is disposed of at an appropriately licensed facility. The project owner shall ensure that the wastewater is transported and disposed of in accordance with the wastewater's characteristics and classification and all applicable LORS (including any CCR Title 22 Hazardous Waste and Title 23 Waste Discharges to Land requirements).</p> <p>Where discharge of wastewater must comply with the San Diego Regional Water Quality Control Board (SDRWQCB) and State Water Resources Control Board regulatory requirements, the project owner shall submit a Report of Waste Discharge (ROWD) to the compliance project manager (CPM) and SDRWQCB for determination of which regulatory waiver or permit applies to the proposed discharges. The project owner shall pay all necessary fees for filing and review of the ROWD and all other related fees. Checks for such fees shall be submitted to the SDRWQCB and shall be payable to the State Water Resources Control Board. The project owner shall ensure compliance with the provisions of the waiver or permit applicable to the discharge.</p> <p>Where the regulatory requirements are not applied pursuant to a National Pollutant Discharge Elimination System permit, it is the Commission's intent that the requirements of the applicable waiver or permit be enforceable by both the Commission and the SDRWQCB. In furtherance of that objective, the Commission hereby delegates the enforcement of the waiver or permit requirements, and associated monitoring, inspection, and annual fee collection authority, to the SDRWQCB. The CPM and SDRWQCB shall confer with each other and coordinate, as needed, in the enforcement of the requirements.</p>	ROWD not needed as existing permits (Encina industrial NPDES permit and Construction General NPDES Permit for stormwater discharges) will be used to confirm compliance with COC. NRG submitted email to CEC from SDRWQCB in regards to permits on 11/22/2019.	11/22/2019	11/27/2019
SOIL&WATER	9	b	MCR			Provided in MCR		

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SOIL&WATER	9	c	Permit			Permit(s) provided when obtained from SDRWQCB		
SOIL&WATER	9	d	Reporting			As needed		
TRANS	1		Permit	Y	The project owner shall consult with the City of Carlsbad and prepare and submit to the city of Carlsbad for review and comment and the Compliance Project Manager (CPM) for approval a construction/demolition traffic control plan. The plan shall be implemented during all phases of construction/demolition and shall addresses the following issues: <ul style="list-style-type: none"> • timing of truck trips, including heavy equipment and building materials deliveries, especially those that would cross the railroad tracks; • redirecting construction and demolition traffic with a flag person at a minimum for trucks traveling eastbound on Cannon Road from the SDG&E Service Gate to cross the railroad tracks; • signing, lighting, and traffic control device placement if required; • need for construction work hours and arrival/departure times outside and during peak traffic periods; • insurance of access for emergency vehicles to the project site; • temporary closure of travel lanes; • access to adjacent residential and commercial property during the construction of all pipelines; • specification of construction-related haul routes; and • identify safety procedures for exiting and entering the site access gate. 	A temporary Traffic Control Plan (TCP) was approved by the City of Carlsbad Traffic Control Department and the CEC to allow for the City of Carlsbad's Jack-and-bore project. Due to the left turn from Gate 3 being obstructed, the temporary TCP allows for a right turn while egressing from Gate 3, and requires all truck traffic to turn left on Carlsbad Boulevard to gain acces to Interstate 5 on Palomar Airport Road. All other craft traffic can take either a left or right on Carlsbad Boulevard	10/29/2019, Modified Plan sent 11/14/19; Temporary Traffic Control Plan approved on 11/9/2020	12/12/2019
TRANS	5	a	Reporting	Y	During and following completion of project construction and demolition, the project owner shall repair any damage to roadways affected by construction/demolition activity to pre-project road conditions or better. Restoration of significant damage which could cause hazards (such as potholes, deterioration of pavement edges, or damaged signage) shall take place immediately after the damage has occurred. Prior to the start of demolition and construction, the project owner shall photograph or videotape, all roadways that will be affected by pipeline construction and heavy truck traffic. The project owner shall provide the CPM and the city of Carlsbad with a copy of the images for the roadway segments under its jurisdiction. Also, prior to start of demolition and construction, the project owner shall notify the city about the schedule for project demolition/construction. The purpose of this notification is to allow the city the opportunity to postpone any planned roadway resurfacing and/or improvement projects until after the project demolition/construction has taken place and to coordinate demolition/construction-related activities associated with other projects.		9/16/2019	9/30/2019
TRANS	7		Plan	Y	During project construction/demolition, the project owner shall implement a parking and staging plan for project construction and demolition to enforce a policy that all project-related parking occurs on site or in designated off-site parking areas.		10/16/2019	10/22/2019
WASTE	5	a	Plan		The project owner shall prepare a Demolition and Construction Waste Management Plan for all wastes generated during demolition and construction of the facility and shall submit the plan to the CPM for review and approval. The plan may be submitted in two sections: Demolition activities and Construction activities. Both sections of the plan shall contain, at a minimum, the following: <ul style="list-style-type: none"> • a description of all demolition and construction waste streams, including projections of frequency, amounts generated, and hazard classifications; and • management methods to be used for each waste stream, including temporary on-site storage, housekeeping and best management practices to be employed, treatment methods and companies providing treatment services, waste testing methods to assure correct classification, methods of transportation, disposal requirements and sites, and recycling and waste minimization/source reduction plans. • a reuse/recycling Debris Management Plan for demolition and construction materials that meets or exceeds the waste diversion goals established by the Integrated Waste Management Compliance Act (Pub. Resources Code, § 41780 et seq.) and CAL Green Title 24, California Code of Regulations, Part 11sections 4.408, 5.408, 301.1.1 and 301.3. 		10/16/2019	11/12/2019
WASTE	6		Permit	Y	Prior to demolition of existing structures, the project owner shall complete and submit a copy of a San Diego County Air Pollution Control District (District) Asbestos Renovation and Demolition Notification Form to the CPM and the District for review. The project owner shall remove all asbestos-containing material (ACM) from the site prior to demolition.	Final (4th) Revised Asbestos Notification Form was submitted to San Diego Air Pollution Control District and CPM for January 29, 2020 Start of Demolition of Asbestos Abatement.	1/10/2020 1/17/2020 1/21/2020 1/24/2020	1/29/2020

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VIS	3	B	Screening		<p>If necessary to provide visual screening of staging activities, equipment and materials in the short term, the project owner shall provide temporary dark-colored, opaque fencing to provide visual screening until landscape screening described above has achieved sufficient maturity to provide visual screening. Existing opaque fencing shall be maintained along the Carlsbad Boulevard frontage of the EPS for the duration of construction and demolition.</p> <p>The project owner shall submit to the CPM for review and approval, and simultaneously to the city of Carlsbad for review and comment, a landscaping plan whose proper implementation will satisfy these requirements. The plan shall include:</p> <p>a) A detailed landscape, grading, and irrigation plan, at a reasonable scale. The plan shall demonstrate how the requirements stated above shall be met. The plan shall provide a detailed installation schedule demonstrating installation of as much of the landscaping as early in the construction process as is feasible in coordination with project construction. The intent of the plan shall be to minimize loss of existing perimeter tree and shrub screening, particularly at the northeast laydown site; and to provide supplemental and replacement plantings as needed to screen staging sites.</p>			
WORKER SAFETY	1	b	Plan	Y	<p>The project owner shall submit to the Compliance Project Manager (CPM) a copy of the Project Demolition and Construction Safety and Health Program containing the following:</p> <p>1. a Demolition and Construction Personal Protective Equipment Program;</p> <p>2. a Demolition and Construction Exposure Monitoring Program;</p> <p>3. a Demolition and Construction Injury and Illness Prevention Program;</p> <p>4. a Demolition and Construction Emergency Action Plan; and</p> <p>5. a Demolition and Construction Fire Prevention Plan.</p> <p>6. an Encina Power Statin Demolition Plan.</p> <p>The Personal Protective Equipment Program, the Exposure Monitoring Program, and the Injury and Illness Prevention Program shall be submitted to the CPM for review and approval concerning compliance of the program with all applicable safety orders. The Demolition and Construction Emergency Action Plan, the Demolition and Construction Fire Prevention Plan, and an Encina Power Station Demolition Plan shall be submitted to the Carlsbad Fire Department for review and comment prior to submittal to the CPM for approval.</p>		11/6/2019	12/11/2019
WORKER SAFETY	3	a	Supervisor	Y	<p>The project owner shall provide a site Demolition Safety Supervisor (DSS) and a Construction Safety Supervisor (CSS) who, by way of training and/or experience, is are knowledgeable of tank demolition, power plant construction activities and relevant laws, ordinances, regulations, and standards; is are capable of identifying workplace hazards relating to the demolition and/or construction activities; and has authority to take appropriate action to assure compliance and mitigate hazards. The DSS or CSS shall:</p> <p>1. have overall authority for coordination and implementation of all occupational safety and health practices, policies, and programs;</p> <p>2. assure that the safety program for the project complies with Cal/OSHA and federal regulations related to power plant projects;</p> <p>3. assure that all demolition, construction and commissioning workers and supervisors receive adequate safety training;</p> <p>4. complete accident and safety-related incident investigations and emergency response reports for injuries and inform the CPM of safety-related incidents; and</p> <p>5. assure that all the plans identified in Conditions of Certification Worker Safety-1 and -2 are implemented.</p>		10/8/2019	12/11/19 - But need to update all Federal OSHA citations with the appropriate Cal/OSHA code citations
WORKER SAFETY	4		CBO	Y	<p>The project owner shall make payments to the Chief Building Official (CBO) for the services of a Safety Monitor based upon a reasonable fee schedule to be negotiated between the project owner and the CBO. Those services shall be in addition to other work performed by the CBO. The Safety Monitor shall be selected by and report directly to the CBO and will be responsible for verifying that the Construction Safety Supervisor, as required in Condition of Certification Worker Safety-3, implements all appropriate Cal/OSHA and Energy Commission safety requirements. The Safety Monitor shall conduct on-site (including linear facilities) safety inspections at intervals necessary to fulfill those responsibilities and shall do this during the period of tank demolition/removal, construction of the CECP, and demolition/removal of the EPS.</p>		9/12/2019	10/10/2019

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WORKER SAFETY	5		Training	Y	The project owner shall ensure that a portable automatic external defibrillator (AED) is located on site during tank demolition, construction and operations and demolition/removal of the EPS and shall implement a program to ensure that workers are properly trained in its use and that the equipment is properly maintained and functioning at all times. During demolition of the tanks and the EPS, construction and commissioning, the following persons shall be trained in its use and shall be on site whenever the workers that they supervise are on site: the Demolition or Construction Project Manager or delegate, the Demolition or Construction Safety Supervisor or delegate, and all shift foremen. During operations, all power plant employees shall be trained in its use. The training program shall be submitted to the CPM for review and approval.	Training held on 12/4/19. Completed AED Training.	12/5/2019	12/10/2019
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Submitted to CEC

Approved by CEC

ATTACHMENT B

COMPLIANCE-6
PROJECT SCHEDULE
APRIL 2021

[illegible]

Data Date: 4/1/21			MA0842-U-12 - MA0842 NRG Encina Power Station - Update 12 - 2021-04-01										05. Detailed Schedule - Remaining												Page 3 of 5		
Activity ID	Activity Name	Orig Dur	Start	Late Start	Finish	Late Finish	Float	2021												2022							
								Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun					
PB.U1.1110	Demo & Clear Turbine Basement Col.s 1-5 / D-A	10	7/20/21	12/18/21	7/30/21	1/8/22	128																				
PB.U1.1120	Hammer Turbine Base to Final Grade Elevation	5	7/31/21	2/18/22	8/5/21	2/24/22	162																				
Site Demolition		105	4/1/21	6/23/21	7/31/21	3/28/22	193	7/31/21, Site Demolition																			
SD.1010	South Overhead Electric Bridge Powerhouse to Control Bldg. 1/2	2	4/1/21	1/15/22	4/2/21	1/17/22	237																				
SD.1020	North Overhead Electric Bridge Powerhouse to Control Bldg. 3	2	4/3/21	1/18/22	4/5/21	1/19/22	237																				
Demolition of Various Out Buildings		12	4/1/21	6/23/21	4/14/21	3/28/22	286	4/14/21, Demolition of Various Out Buildings																			
SD.OB.1010	Upper Storage Bldg.	2	4/1/21	3/22/22	4/2/21	3/23/22	292																				
SD.OB.1020	Upper Warehouse	4	4/3/21	3/24/22	4/7/21	3/28/22	292																				
SD.OB.1030	Demo Southeast Bridge to Boilerhouse	4	4/1/21	7/27/21	4/5/21	7/30/21	100																				
SD.OB.1040	Demo Southwest Bridge (Rail) to Turbine Hall	4	4/10/21	6/23/21	4/14/21	6/26/21	63																				
Control Houses		20	7/9/21	2/22/22	7/31/21	3/17/22	184	7/31/21, Control Houses																			
SD.CH.1000	Control Bldg. 1/2 Tunnel Opening	2	7/15/21	3/16/22	7/16/21	3/17/22	197																				
SD.CH.1010	Control Bldg. 1/2	5	7/9/21	2/22/22	7/14/21	2/26/22	183																				
SD.CH.1020	Control Bldg. 3	5	7/15/21	2/28/22	7/20/21	3/4/22	183																				
SD.CH.1030	Control Bldg. 3 Tunnel Opening	2	7/21/21	3/16/22	7/22/21	3/17/22	192																				
SD.CH.1040	Units 1-3 GSU	10	7/21/21	3/5/22	7/31/21	3/16/22	183																				
Waste Water Treatment Area		41	4/17/21	1/31/22	6/3/21	3/19/22	236	6/3/21, Waste Water Treatment Area																			
WW.1000	Electrical Disconnect	10	4/17/21	1/31/22	4/28/21	2/10/22	236																				
WW.1010	Utility Verification	1	4/29/21	2/11/22	4/29/21	2/11/22	236																				
WW.1020	Piping Segregation from EW Tank Piping	2	4/30/21	2/12/22	5/1/21	2/14/22	236																				
WW.1030	TW & LVW Tank Piping Removal	2	5/3/21	2/15/22	5/4/21	2/16/22	236																				
WW.1040	Obsolete Piping Removal WWT to Powerhouse	4	5/5/21	2/17/22	5/8/21	2/22/22	236																				
WW.1050	LVW Tank 2 Demo	4	5/19/21	3/4/22	5/22/21	3/8/22	236																				
WW.1060	LVW Tank 1 Demo	4	5/24/21	3/9/22	5/27/21	3/12/22	236																				
WW.1070	TW Tank 6 Demo	4	5/10/21	2/23/22	5/13/21	2/26/22	236																				
WW.1080	TW Tank 5 Demo	4	5/14/21	2/28/22	5/18/21	3/3/22	236																				
WW.1090	EW Tank 4 Demo	3	5/28/21	3/14/22	5/31/21	3/16/22	236																				
WW.1100	EW Tank 3 Demo	3	6/1/21	3/17/22	6/3/21	3/19/22	236																				
Interior Asbestos Abatement		173	11/5/20 A	7/5/21	7/17/21	1/13/22	143	7/17/21, Interior Asbestos Abatement																			
Roofing Abatement		118	3/30/21 A	7/5/21	7/17/21	1/13/22	143	7/17/21, Roofing Abatement																			
IA.RA.1010	Boiler 4 Roof Flashing Removal	2	4/1/21	7/5/21	4/2/21	7/6/21	81																				
IA.RA.1030	Boiler 5 Roof Flashing Removal	2	3/30/21 A	7/7/21	4/5/21	7/8/21	81																				
IA.RA.1040	Turbine 1 Roof Field Removal	10	4/6/21	7/9/21	4/16/21	7/20/21	81																				
IA.RA.1050	Boiler 3 Roof Field Removal	10	5/27/21	11/30/21	6/7/21	12/10/21	158																				
IA.RA.1060	Turbine 2 Roof Field Removal	10	4/17/21	7/21/21	4/28/21	7/31/21	81																				
IA.RA.1070	Boiler 2 Roof Field Removal	10	6/25/21	12/11/21	7/6/21	12/22/21	143																				
IA.RA.1080	Turbine 4 Roof Vent Removal	2	4/29/21	8/2/21	4/30/21	8/3/21	81																				
IA.RA.1090	Boiler 1 Roof Field Removal	10	7/7/21	1/3/22	7/17/21	1/13/22	143																				
Unit 4 - Asbestos Abatement Interior		20	3/15/21 A	8/4/21	4/12/21	8/14/21	107	4/12/21, Unit 4 - Asbestos Abatement Interior																			
IA.U4.1000	Interior Transite Removal	20	3/15/21 A	8/4/21	4/12/21	8/14/21	107																				
Unit 3		128	12/16/20	10/2/21	5/26/21	11/29/21	158	5/26/21, Unit 3																			
Abate asbestos - Unit 3		128	12/16/20	10/2/21	5/26/21	11/29/21	158	5/26/21, Abate asbestos - Unit 3																			
IA.U3.A.13	Clearance	1	5/14/21	11/15/21	5/14/21	11/15/21	158																				
IA.U3.A.14	Containment Breakdown	10	5/15/21	11/16/21	5/26/21	11/29/21	158																				
Final Clean		117	12/16/20	10/2/21	5/13/21	11/13/21	158	5/13/21, Final Clean																			
IA.U3.A.12	Preheater/Dearator Fl. El. 72'6" (Col. 10-16)	8	12/16/20	10/2/21	4/6/21	10/7/21	158																				
IA.U3.A.12	Platform El. 61'4" (Col. 10-16)	8	4/7/21	10/8/21	4/15/21	10/16/21	158																				
IA.U3.A.12	Platform El. 50'0" (Col. 10-16)	8	4/16/21	10/18/21	4/24/21	10/26/21	158																				
IA.U3.A.13	Operating Fl. El. 34'0" (Col. 10-16)	8	4/26/21	10/27/21	5/4/21	11/4/21	158																				
IA.U3.A.13	Mezz. Fl. El. 17'6" (Col. 10-16)	8	5/5/21	11/5/21	5/13/21	11/13/21	158																				
Unit 2		159	11/5/20 A	9/15/21	7/8/21	1/13/22	151	7/8/21, Unit 2																			
IA.U2.1000	Containment Breakdown Units 1 & 2	12	6/25/21	12/21/21	7/8/21	1/13/22	151																				
Abate asbestos - Unit 2		147	11/5/20 A	9/15/21	6/24/21	12/10/21	143	6/24/21, Abate asbestos -Unit 2																			

Activity ID	Activity Name	Orig Dur	Start	Late Start	Finish	Late Finish	Float	2021												2022				
								Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun		
IA.U2.A.13	Clearance Units 1 & 2	1	6/24/21	12/10/21	6/24/21	12/10/21	143	Clearance Units 1 & 2																
Final Clean		64	4/10/21	9/24/21	6/23/21	12/9/21	143	6/23/21, Final Clean																
IA.U2.A.12	Ventilating Fan Fl. El. 118'6" (Col. 5-16)	8	4/10/21	9/24/21	4/19/21	10/2/21	143	Ventilating Fan Fl. El. 118'6" (Col. 5-16)																
IA.U2.A.12	ID & Fan Fl. El. 98'6" (Col. 5-16)	8	4/20/21	10/4/21	4/28/21	10/12/21	143	ID & Fan Fl. El. 98'6" (Col. 5-16)																
IA.U2.A.12	Platforms @ El 82'4" & 87'10" (Col. 5-16)	8	4/29/21	10/13/21	5/7/21	10/21/21	143	Platforms @ El 82'4" & 87'10" (Col. 5-16)																
IA.U2.A.12	Preheater/Dearator Fl. El. 72'6" (Col. 5-16)	8	5/8/21	10/22/21	5/17/21	10/30/21	143	Preheater/Dearator Fl. El. 72'6" (Col. 5-16)																
IA.U2.A.12	Platform El. 61'4" (Col. 5-16)	8	5/18/21	11/1/21	5/26/21	11/9/21	143	Platform El. 61'4" (Col. 5-16)																
IA.U2.A.12	Platform El. 50'0" (Col. 5-16)	8	5/27/21	11/10/21	6/4/21	11/18/21	143	Platform El. 50'0" (Col. 5-16)																
IA.U2.A.13	Operating Fl. El. 34'0" (Col. 5-16)	8	6/5/21	11/19/21	6/14/21	11/30/21	143	Operating Fl. El. 34'0" (Col. 5-16)																
IA.U2.A.13	Mezz. Fl. El. 17'6" (Col. 5-16)	8	6/15/21	12/1/21	6/23/21	12/9/21	143	Mezz. Fl. El. 17'6" (Col. 5-16)																
Non-Friable Brick Removal		11	11/5/20 A	9/15/21	4/9/21	9/23/21	143	4/9/21, Non-Friable Brick Removal																
IA.U2.A.13	Mezz. Fl. El. 17'6" (Col. 5-16)	10	11/11/20	9/15/21	4/9/21	9/23/21	143	Mezz. Fl. El. 17'6" (Col. 5-16)																
IA.U2.A.13	Operating Fl. El. 34'0" (Col. 5-16)	10	11/5/20 A	9/15/21	4/9/21	9/23/21	143	Operating Fl. El. 34'0" (Col. 5-16)																
Unit 1		142	1/21/21 A	9/16/21	6/22/21	12/9/21	144	6/22/21, Unit 1																
Abate asbestos - Unit 1		142	1/21/21 A	9/16/21	6/22/21	12/9/21	144	6/22/21, Abate asbestos - Unit 1																
Boiler Insulation Removal		85	1/21/21 A	9/16/21	4/16/21	11/9/21	177	4/16/21, Boiler Insulation Removal																
IA.U1.A12	Operating Fl. El. 34'0" (Col. 1-5)	3	1/21/21 A	9/16/21	4/8/21	9/23/21	144	Operating Fl. El. 34'0" (Col. 1-5)																
IA.U1.A12	Mezz. Fl. El. 17'6" (Col. 1-5)	7	4/9/21	11/2/21	4/16/21	11/9/21	177	Mezz. Fl. El. 17'6" (Col. 1-5)																
Final Clean		24	5/26/21	11/10/21	6/22/21	12/9/21	144	6/22/21, Final Clean																
IA.U1.A12	Ventilating Fan Fl. El. 118'6" (Col. 1-5)	3	5/26/21	11/10/21	5/28/21	11/12/21	144	Ventilating Fan Fl. El. 118'6" (Col. 1-5)																
IA.U1.A12	ID & Fan Fl. El. 98'6" (Col. 1-5)	3	5/29/21	11/13/21	6/1/21	11/16/21	144	ID & Fan Fl. El. 98'6" (Col. 1-5)																
IA.U1.A12	Platforms @ El 82'4" & 87'10" (Col. 1-5)	3	6/2/21	11/17/21	6/4/21	11/19/21	144	Platforms @ El 82'4" & 87'10" (Col. 1-5)																
IA.U1.A12	Preheater/Dearator Fl. El. 72'6" (Col. 1-5)	3	6/5/21	11/20/21	6/8/21	11/23/21	144	Preheater/Dearator Fl. El. 72'6" (Col. 1-5)																
IA.U1.A12	Platform El. 61'4" (Col. 1-5)	3	6/9/21	11/25/21	6/11/21	11/29/21	144	Platform El. 61'4" (Col. 1-5)																
IA.U1.A12	Platform El. 50'0" (Col. 1-5)	3	6/12/21	11/30/21	6/15/21	12/2/21	144	Platform El. 50'0" (Col. 1-5)																
IA.U1.A13	Operating Fl. El. 34'0" (Col. 1-5)	3	6/16/21	12/3/21	6/18/21	12/6/21	144	Operating Fl. El. 34'0" (Col. 1-5)																
IA.U1.A13	Mezz. Fl. El. 17'6" (Col. 1-5)	3	6/19/21	12/7/21	6/22/21	12/9/21	144	Mezz. Fl. El. 17'6" (Col. 1-5)																
Non-Friable Brick Removal		40	4/9/21	9/24/21	5/25/21	11/9/21	144	5/25/21, Non-Friable Brick Removal																
IA.U1.A13	Mezz. Fl. El. 17'6" (Col. 1-5)	8	5/17/21	11/1/21	5/25/21	11/9/21	144	Mezz. Fl. El. 17'6" (Col. 1-5)																
IA.U1.A13	Operating Fl. El. 34'0" (Col. 1-5)	8	5/7/21	10/22/21	5/15/21	10/30/21	144	Operating Fl. El. 34'0" (Col. 1-5)																
IA.U1.A13	Platform El. 50'0" (Col. 1-5)	4	5/3/21	10/18/21	5/6/21	10/21/21	144	Platform El. 50'0" (Col. 1-5)																
IA.U1.A13	Platform El. 61'4" (Col. 1-5)	4	4/28/21	10/13/21	5/1/21	10/16/21	144	Platform El. 61'4" (Col. 1-5)																
IA.U1.A13	Preheater/Dearator Fl. El. 72'6" (Col. 1-5)	4	4/23/21	10/8/21	4/27/21	10/12/21	144	Preheater/Dearator Fl. El. 72'6" (Col. 1-5)																
IA.U1.A13	Platforms @ El 82'4" & 87'10" (Col. 1-5)	4	4/19/21	10/4/21	4/22/21	10/7/21	144	Platforms @ El 82'4" & 87'10" (Col. 1-5)																
IA.U1.A13	ID & Fan Fl. El. 98'6" (Col. 1-5)	4	4/14/21	9/29/21	4/17/21	10/2/21	144	ID & Fan Fl. El. 98'6" (Col. 1-5)																
IA.U1.A13	Ventilating Fan Fl. El. 118'6" (Col. 1-5)	4	4/9/21	9/24/21	4/13/21	9/28/21	144	Ventilating Fan Fl. El. 118'6" (Col. 1-5)																
Accessible Friable ACM		75	1/21/21 A	11/5/21	4/5/21	11/9/21	187	4/5/21, Accessible Friable ACM																
IA.U1.A11	Operating Fl. El. 34'0" (Col. 1-5)	3	1/21/21 A	11/5/21	4/1/21	11/5/21	187	Operating Fl. El. 34'0" (Col. 1-5)																
IA.U1.A11	Mezz. Fl. El. 17'6" (Col. 1-5)	3	4/2/21	11/6/21	4/5/21	11/9/21	187	Mezz. Fl. El. 17'6" (Col. 1-5)																
Exterior Transite Removal		157	10/15/20	5/1/21	5/27/21	1/13/22	187	5/27/21, Exterior Transite Removal																
TR.1110	Exterior Transite Removal Col. 31 / A to A1	1	4/1/21	5/18/21	4/1/21	5/18/21	41	Exterior Transite Removal Col. 31 / A to A1																
TR.1130	Exterior Transite Removal Col. 26 - H-D	10	3/17/21 A	1/8/22	5/27/21	1/13/22	187	Exterior Transite Removal Col. 26 - H-D																
TR.1210	Exterior Transit Removal Col. A/ Col.'s 31 to 27	8	4/1/21	6/2/21	4/9/21	6/10/21	53	Exterior Transit Removal Col. A/ Col.'s 31 to 27																
TR.1220	Exterior Transit Removal Col. 31/ Col.'s D to A	9	4/5/21	5/1/21	4/15/21	5/12/21	23	Exterior Transit Removal Col. 31/ Col.'s D to A																
TR.1260	Exterior Transit Removal Col. A/ Col.'s 22 to 19	8	5/8/21	6/11/21	5/17/21	6/19/21	29	Exterior Transit Removal Col. A/ Col.'s 22 to 19																
TR.1270	Exterior Transit Removal Col. A/ Col.'s 27 to 22	8	10/15/20	5/12/21	4/22/21	5/18/21	23	Exterior Transit Removal Col. A/ Col.'s 27 to 22																
TR.1310	Exterior Transit Removal Col. A/ Col.'s 19 to 15	4	10/22/20	7/3/21	4/26/21	7/7/21	63	Exterior Transit Removal Col. A/ Col.'s 19 to 15																
Site Work		243	5/22/21	10/6/21	3/15/22	4/8/22	21	3/15/22, Site Work																
SW.1010	Crush Concrete from Stack & Wall Demo	60	5/22/21	10/6/21	7/30/21	12/16/21	117	Crush Concrete from Stack & Wall Demo																
SW.1030	Install fence at switch yard	10	8/2/21	3/17/22	8/12/21	3/28/22	183	Install fence at switch yard																
SW.1040	Crush Balance of Concrete Post Demo	60	7/31/21	12/17/21	10/8/21	3/8/22	117	Crush Balance of Concrete Post Demo																
SW.1050	Backfill Power Block	70	12/3/21	12/17/21	3/5/22	3/19/22	12	Backfill Power Block																
SW.1055	Backfill Units 4 & 5 Basement to El. 0	10	6/26/21	3/9/22	7/7/21	3/19/22	207	Backfill Units 4 & 5 Basement to El. 0																

Activity ID	Activity Name	Orig Dur	Start	Late Start	Finish	Late Finish	Float	2021												2022					
								Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun			
SW.1060	Install guard rail at former bridge locations	10	6/2/21	3/17/22	6/12/21	3/28/22	235																		
SW.1070	Final Grading	7	3/7/22	3/21/22	3/14/22	3/28/22	12																		
SW.1080	Pavement Repair - if required	1	3/15/22	4/8/22	3/15/22	4/8/22	21																		
Backfill Tunnels to Control Houses		7	7/17/21	3/18/22	7/24/21	3/19/22	192																		
SW.1000	Control Bldg. 1/2 Tunnel Backfill	2	7/17/21	3/18/22	7/19/21	3/19/22	197																		
SW.1020	Control Bldg. 3 Tunnel Backfill	2	7/23/21	3/18/22	7/24/21	3/19/22	192																		
Cooling Water Intake & Discharge		154	12/1/20 A	4/15/21	6/9/21	3/17/22	229																		
CW.1010	De-water	10	12/1/20 A	4/15/21	4/2/21	4/16/21	12																		
CW.1030	Remove silt (estimated 150)	3	2/10/21 A	4/15/21	4/2/21	4/16/21	12																		
CW.1030.1	Remove Additional Silt (estimated ~1000 cy)	20	4/3/21	4/17/21	4/26/21	5/10/21	12																		
CW.1070	Demo CW Deck Unit 4 Col. 23-16	3	4/27/21	5/11/21	4/29/21	5/13/21	12																		
CW.1075	Ramp into Turbine Hall Basement Col. 23 to 26	4	4/30/21	5/14/21	5/4/21	5/18/21	12																		
CW.1080	Backfill CW Intake/Discharge Tunnels Unit 4 Col. 23-16	5	5/3/21	6/5/21	5/7/21	6/10/21	29																		
CW.1090	Demo CW Deck Unit 3 Col. 16-10	3	5/8/21	2/3/22	5/11/21	2/5/22	221																		
CW.1100	Backfill CW Intake/Discharge Tunnel Unit 3 Col. 16-10	5	5/12/21	2/7/22	5/17/21	2/11/22	221																		
CW.1110	Demo CW Deck Unit 2 Col. 10-5	3	5/18/21	2/12/22	5/20/21	2/15/22	221																		
CW.1120	Backfill CW Intake/Discharge Tunnel Unit 2 Col. 10-5	5	5/21/21	2/16/22	5/26/21	2/22/22	221																		
CW.1130	Demo CW Deck Unit 1 Col. 5-1	3	5/27/21	2/23/22	5/29/21	2/25/22	221																		
CW.1140	Backfill CW Intake/Discharge Tunnel Unit 1 Col. 5-1	5	5/31/21	3/12/22	6/4/21	3/17/22	233																		
CW.1150	Demo CW Deck Unit 5 Col. 31-23	3	5/31/21	2/26/22	6/2/21	3/1/22	221																		
CW.1160	Backfill CW Intake/Discharge Unit 5 Col. 28-23	6	6/3/21	3/2/22	6/9/21	3/8/22	221																		
Project Completion		10	3/15/22	3/29/22	3/25/22	4/8/22	12																		
PC.1000	De-mobilization	10	3/15/22	3/29/22	3/25/22	4/8/22	12																		

ATTACHMENT C

**AQ-SC3
AIR QUALITY CONSTRUCTION
COMPLIANCE SUMMARY
APRIL 2021**



Air Quality Construction Compliance Summary

Amended Carlsbad Energy Center Project, Phase IV, San Diego County, CA (07-AFC-06C)

PREPARED FOR: Carlsbad Power I, LLC for the licensed
Carlsbad Energy Center Project

PREPARED BY: Timothy Sisk (Alternate AQCM), NRG Energy, Inc.

DATE: May 14, 2021

COMPLIANCE PERIOD: April 2021

This compliance memorandum summarizes the activities conducted in July 2020 to demonstrate compliance with the approved *Air Quality Construction Mitigation Plan (AQCMP) for Phase IV of the Amended Carlsbad Energy Center Project* (Amended CECP) (CEC, 2019). The Amended CECP Phase IV AQCMP covers the aboveground demolition/removal of Encina Power Station. Below grade demolition and site remediation, which would be accomplished under the authority of San Diego County Environmental Health Department (site remediation) and the City of Carlsbad (redevelopment of the site for future use), are beyond the scope of Phase IV of the Amended CECP.

Mobilization for Phase IV of the project started during the first week of November 2019. Limited demolition and asbestos abatement began on January 29, 2020.

Due to the COVID-19 pandemic and the California State of Emergency, demolition activities were suspended on March 20, 2020. Demolition activities recommenced during the week of July 6-10, 2020 with limited remobilization during which staff were re-orientated to the site and the scope of work, and safety trained.

Demolition activities during April 2021 involved interior and exterior asbestos abatement, removal of numerous facility structures and equipment within the powerblock building, torch cutting of metallic equipment (structural components, piping, etc.), and demolition of the stack chimney exterior.

Fugitive Dust Compliance Measures

For this compliance period during Phase IV of the Encina Power Station Demolition, the following compliance measures were implemented, if they occurred, using the compliance checklist:

- Observance of a visible dust plume
- Additional control measures implemented to reduce a visible dust plume
- Complaints filed with the San Diego Air Pollution Control District
- Deviations from the AQCMP

No deviations from conditions AQ-SC3 or AQ-SC4 occurred during the compliance period.

Fugitive dust control measures prescribed in the AQCMP are monitored via checklists, which are included in Attachment A of this report.



Diesel Equipment Compliance Measures

Diesel-fueled engines subject to the AQCMP and used during this compliance period that met the diesel equipment compliance measures were tagged by the Air Quality Construction Mitigation Manager (AQCMM) and/or the Delegated AQCMM to indicate the equipment are approved for use onsite. The equipment tagged during this compliance period are included in Table 1.

The following compliance measures were implemented during this compliance period:

- Equipment with diesel engines with a rating of 50 horsepower (hp) or higher shall meet Tier 4/4i emissions standards. No exemptions were requested for this compliance period.
- Equipment is maintained in accordance with manufactures recommendations.
- Equipment idling limited to 5 minutes or less to the extent practical.
- Equipment is labeled in accordance with Air Resources Board requirements.
- Equipment will employ electric motors where feasible.

Equipment onsite and used during this compliance period are being recorded and are listed in Table 1. Documentation confirming that equipment used for ten (10) days or more are Tier 4 or Tier 4i, along with the appropriate letter from the equipment owner confirming maintenance is performed as required for the equipment listed in Table 1, are included as Attachment B to this memorandum.

References

California Energy Commission (CEC), 2019. *Air Quality Construction Mitigation Plan, Phase IV, Amended Carlsbad Energy Center Project, (07-AFC-06C)*, Submitted on October 16, 2019; Awaiting CEC approval of Amendment.



Table 1
Diesel Equipment
AQCMP 07-AFC-06C

<u>Date Arrived (Removal Date)</u>	<u>CARB ID</u>	<u>S/N</u>	<u>Equipment</u>	<u>Engine Data</u>	<u>Diesel hp</u>	<u>Tier</u>	<u>Equipment Owner (Renter)</u>
11/11/2019	FP4A83	41935	Bobcat S770	Kubota, CKBXLO3.8AKD, V3800-CR-T, 3.8L, SN: CG200	92	4I	BISCO
11/11/2019	GC4A66	41936	Bobcat S770	Kubota, CKBXLO3.8AKD, V3800-CR-T, 3.8L, SN: CG2732	92	4I	BISCO
11/11/2019	YG9P77	41937	Bobcat S770	Kubota, CKBXLO3.8AKD, V3800-CR-T, 3.8L, SN: CG4188	92	4I	BISCO
01/07/2020	JN8S95	41951	Bobcat S770	Doosan, KDICLO3.4LEA, D34P, 3.4L, SN: D34P9060110LELO2	92	4	BISCO
01/07/2020	XY9V35	41952	Bobcat S770	Doosan, KDICLO3.4LEA, D34P, 3.4L, SN: D34P9060108LELO2	92	4	BISCO
01/13/2020	VN6P66	800-8457	Tennant Sweeper	Kubota, HKBLX02.4EKD, 2403-T, 2.4L, SN: 7HD0257	57	4	BISCO
02/21/2020	BT4G48	A97047	Komatsu Loader WA500-8	Komatsu, KKLXL15.2EDC SN: 834073	357	4	BISCO
03/16/2020	KP3K59	41956	Bobcat S770	Doosan, KDICLO3.4LEA, D34P, 3.4L, SN: D34P9059852LELO2	92	4	BISCO
07/13/2020	UK9P58	Z62H-4439	Genie 62' Manlift	Deutz, KDZXL02.9021, D2.9L4, 2.9L, SN: 12372450	50	4	Sunbelt BISCO
07/24/2020	RP6M67	WLHZ- 1488KZC049084	Liebherr 926 WLC	Liebherr, KCHA27.01SQC. D34P, SN: 2018038427	268	4	BISCO
08/19/2020	LA3M33	0300263462	Genie 80' Manlift	Deutz, KDZXL02.9020,	74	4	Sunbelt BISCO



				TD2.9L4, 2.9L, SN: 12368578			
08/19/2020	KW7Y76	0300231915	JLG 180' Manway lift	Deutz, HDZXL03.6060, TCD 3.6, L4, SN: 1196431	99.8	4	Sunbelt BISCO
08/19/2020	WP5U33	Z80H-7235	Genie 80' Manlift	Deutz, JDZXL02.9020, TD2.9L4, 2.9L, SN: 12258372	74	4	Sunbelt BISCO
09/08/2020	VP9E67	JCB5CH2GJG2435628	JCB 12K Lull	JCB, GJCBL04.4S09 2.9, SN: SJ320/40919	109	4	Sunbelt BISCO
09/21/2020	FF8U93	10167	Liebherr 956 WLC	Liebherr, HLHAL12.0SQC. D946, SN: 2017 04 2818	326	4	BISCO
09/27/2020	XG3J59	10166	Liebherr 956 WLC	Liebherr, HLHAL12.0SQC. D946, SN: 2018 04 1117	326	4	BISCO
09/23/2020	XU6N58	2577075	JCB 6K Forklift	JCB, HJCBL04.4TA5 2.9, SN: SJ320/40925U1890 317	74	4	Sunbelt Pullman
02/06/2021	TY3X36	S85XCH-1749	Genie 80' Manlift	Deutz, KDZXL02.9020, TD2.9L4, 2.9L, SN: 12341261	74	4	Sunbelt BISCO
02/02/2021	DT3Y49	B3CA16723	Track Skidsteer	DOOSAN, KDICL03.4LEB. D34NAP, SN: 9054266LEL04	74	4	Sunbelt BISCO
02/15/2021	AS4P69	HHKHK601AK- 0001260	Hyundai HX220 LR Excavator	Cummins-QSB6.7L, SN: 223350872	182.6	4	Porter BISCO
04/02/2021	GV7W79	541676	GR550-KL- 55-ton Crane	Cummins- FCEXL6.7AAK, SN: 26673705	260	4	Coastline BISCO
04/05/2021	DG6D66	48966	Liebherr 976 WLC	Liebherr, JLHAL16.2VQC. D9508, SN: 2018 14 1636	544	4	BISCO
04/07/2021	KW7J68	541425	GR550-KL- 55-ton Crane	Cummins- HCEXL6.7AAK, SN: 26642180	260	4	Coastline BISCO
04/09/2021	YF7677	MKL00395	Caterpillar 973	CATERPILLAR KCPXLO9.3HTF SN: SYE3625	275	4	BISCO



Cabrillo Power I, LLC
4600 Carlsbad Boulevard
Carlsbad, CA 92008

4/20/2021	EN5X73	100009364	Bobcat S550	DOOSAN, HDICL02.4LEA. D24NAP, SN: 74118426	61	4	Sunbelt BISCO
4/23/2021	CN6Y95	03002066286	JLG 1350SJP	DeutzAG, FDZXL02.9016, TCD2.9L4,3.6, SN: 111761890	74	4	United BISCO



Cabrillo Power I, LLC
4600 Carlsbad Boulevard
Carlsbad, CA 92008

Attachment A

Air Quality Control Checklists

AQCMP or designee name: Tommy Brister

Date: 4/01/2021**Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily****Going Requirements****Area Affected:****Requirement:****Implemented
(Y/N):****Notes:**

Construction site entrance and Travel through	Post visible speed limit signs of a maximum of 10 MPH for unpaved	YES	Signs posted is various areas
Construction Eq Vehicle tires	Inspected and washed as necessary to clean off dirt prior to leaving	NA	No Dirt traffic at current time
Construction entrance	Enter only through treated entrance roadways as noted on Site Map. Alternative route approved by CPM - If alternative route chosen indicated on Site Map and note rationale for change	YES	Gate #3 is the designated rout of entry for project. Paved road
Unpaved roads and disturbed areas in project and laydown area	Water areas to limit visible dust. If watering is required note frequency and time in notes section of checklist	NA	No dirt traffic at current time
Construction areas adjacent to any paved roadways	Provided with sandbags or other measures in SWPPP to prevent runoff, note location of measures in Site Figure Map	YES	
Tire washing / cleaning station	Gravel ramps min 20 ft in length - identify location in Site Figure Map	YES	No truck traffic at current time
Unpaved Exits	At all exit locations: Gravel or treated to prevent track-out - identify	YES	Rumble plate put in place
Paved Areas	Swept at least twice daily (or less during periods of precipitation during active days of construction)	YES	Is being completed twice a day
Public Roadway existing construction site	500 feet of public roadway swept visually clean at least twice daily (or less during periods of precipitation) during active	YES	No dirt traffic at current time
Bulk transport vehicles with materials that have potential to cause visible emissions on public	Cover or wet and load so that the trucks have at least 2 feet of freeboard	NA	No truck traffic at current time
Storage areas inactive for more than 10 days	Covered or treated with dust suppressants, and vehicle access will be restricted.	N/A	
Construction Areas that may be disturbed and are generating fugitive dust	Install wind erosions control techniques (such as gravel, windbreaks, water, chemical dust suppressants, and/or vegetation) until soil is stabilized or permanently covered w/ vegetation.	NA	No truck traffic at current time
Disturbed areas Demolition Haul Trucks -	Re-Vegetated as soon as possible Travel limited to paved or	YES	No dirt traffic at the

Within the Encina Power Station
Property

graveled surfaces - Note Routes on Site Figure Map

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project,

1 The activity shall not restart until the AQCM or AQCM Delegate is satisfied that appropriate additional mitigation or other site conditions have changed so that visual dust plumes will not result upon restarting the activity that caused the shut-down. The owner/operator may appeal to the CPM any directive from the AQCM or AQCM Delegate to shut down an activity, provided that the shutdown shall go into effect within one hour of the original determination, unless overruled by the CPM before that time.

Date: 4/01/2021

Monitoring for Visible Dust Plumes with the potential to be transported off the projectsite: Definition of Areas Requirement

Specific Location / Area:

<i>Identify Area</i>	200 feet beyond the centerline of the construction of linear	
<i>Identify</i>	within 100 feet upwind of any regularly occupied structures	
<i>Identify distance /</i>	50 feet upwind of I-5	

Reduce visible dust plumes to comply with CEC COC AQ-SC4 (with the exception of visible emissions within 50 feet upwind of the I-5

freeway) Area Affected / Source:	NO Truck / Dirt traffic at current time	
---	--	--

Date / Time Identified:

Mitigation Measure Implemented:

Time Implemented / Notes

Step 1: Within 15 minutes of making such a determination, require more intensive application of existing method – such as additional soil wetting		
Step 2: If Step 1 fails to result in adequate mitigation within 30 minutes of the original determination, apply additional measures such as application of soil stabilizers, visqueen, or a geotech fabric.		
Step 3: If Steps 1 and 2 fail to result in effective mitigation within 1 hour of the original determination, the AQCM or AQCM Delegate shall direct a temporary shutdown of the activity causing the emissions. ¹		
Step 1: Immediately cease the activities causing the visible dust plumes if any obscuration of visibility is observed to drivers. Reduce visible dust plumes to comply with CEC COC AQ-SC4 within 50 feet upwind of the I-5 freeway		
Area Affected / Source:	No truck or Dirt traffic	Date / Time Identified:
application of the existing mitigation methods immediately if the visible plumes are seen within 50 feet of I-5 but are not causing obscuration of visibility to drivers.	Mitigation Measure Implemented:	Time Implemented / Notes
Step 2: Direct implementation of additional methods for dust suppression and monitor the start-up and/or continuation of the dust causing activities to ensure that the additional mitigation is effective.		
Step 3: Direct a temporary shutdown of the activity causing the emissions if Step 2 specified above fails to result in effective mitigation. ²		

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: Tommy Brister

Date: 4/01/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily

On Going Diesel Requirements	Checklist Criteria:	Response:	Notes:
Update Equipment Inventory List	Equipment Updated (Y/N/NA):	YES	Newly arrived equipment is tracked
Confirm all equipment are ARB tagged on both sides and tags are Visible.	Tags Visible (Y/N):	YES	All equipment coming on site is being tagged
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	Tags are visible
Documentation of acceptable engine tier is on file.	Equipment Updated (Y/N/NA):	YES	
Letter from each equipment owner is on file indicating that equipment is being properly maintained	Letters Updated (Y/N/NA):	YES	
All diesel heavy construction equipment shall not idle for more than 5 minutes, to the extent practical. Vehicles that need to idle as part of their normal operation (such as concrete trucks) are exempted from this requirement. Note equipment needed to idle longer than 5 min as part of normal operation in the notes section of this checklist.	Idling Limited:(Y/N)	YES	
A list of all other actions taken to control diesel construction related emissions	Other Reductions:	N/A	

AQCMP or designee name: Tommy Brister

Date: 4/02/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily**Going Requirements****Area Affected:****Requirement:****Implemented
(Y/N):****Notes:**

Construction site entrance and Travel through	Post visible speed limit signs of a maximum of 10 MPH for unpaved	YES	Signs posted is various areas
Construction Eq Vehicle tires	Inspected and washed as necessary to clean off dirt prior to leaving	NA	No Dirt traffic at current time
Construction entrance	Enter only through treated entrance roadways as noted on Site Map. Alternative route approved by CPM - If alternative route chosen indicated on Site Map and note rationale for change	YES	Gate #3 is the designated rout of entry for project. Paved road
Unpaved roads and disturbed areas in project and laydown area	Water areas to limit visible dust. If watering is required note frequency and time in notes section of checklist	NA	No dirt traffic at current time
Construction areas adjacent to any paved roadways	Provided with sandbags or other measures in SWPPP to prevent runoff, note location of measures in Site Figure Map	YES	
Tire washing / cleaning station	Gravel ramps min 20 ft in length - identify location in Site Figure Map	YES	No truck traffic at current time
Unpaved Exits	At all exit locations: Gravel or treated to prevent track-out - identify	YES	Rumble plate put in place
Paved Areas	Swept at least twice daily (or less during periods of precipitation during active days of construction)	YES	Is being completed twice a day
Public Roadway existing construction site	500 feet of public roadway swept visually clean at least twice daily (or less during periods of precipitation) during active	YES	No dirt traffic at current time
Bulk transport vehicles with materials that have potential to cause visible emissions on public	Cover or wet and load so that the trucks have at least 2 feet of freeboard	NA	No truck traffic at current time
Storage areas inactive for more than 10 days	Covered or treated with dust suppressants, and vehicle access will be restricted.	N/A	
Construction Areas that may be disturbed and are generating fugitive dust	Install wind erosions control techniques (such as gravel, windbreaks, water, chemical dust suppressants, and/or vegetation) until soil is stabilized or permanently covered w/ vegetation.	NA	No truck traffic at current time
Disturbed areas Demolition Haul Trucks -	Re-Vegetated as soon as possible Travel limited to paved or	YES	No dirt traffic at the

Within the Encina Power Station
Property

graveled surfaces - Note Routes on Site Figure Map

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project,

1 The activity shall not restart until the AQCMM or AQCMM Delegate is satisfied that appropriate additional mitigation or other site conditions have changed so that visual dust plumes will not result upon restarting the activity that caused the shut-down. The owner/operator may appeal to the CPM any directive from the AQCMM or AQCMM Delegate to shut down an activity, provided that the shutdown shall go into effect within one hour of the original determination, unless overruled by the CPM before that time.

Date: 4/02/2021

Monitoring for Visible Dust Plumes with the potential to be transported off the projectsite: Definition of Areas Requirement

Specific Location / Area:

<i>Identify Area</i>	200 feet beyond the centerline of the construction of linear	
<i>Identify</i>	within 100 feet upwind of any regularly occupied structures	
<i>Identify distance /</i>	50 feet upwind of I-5	

Reduce visible dust plumes to comply with CEC COC AQ-SC4 (with the exception of visible emissions within 50 feet upwind of the I-5

freeway) Area Affected / Source:	NO Truck / Dirt traffic at current time	
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Date / Time Identified:

**Mitigation Measure
Implemented:**

Time Implemented / Notes

Step 1: Within 15 minutes of making such a determination, require more intensive application of existing method – such as additional soil wetting		
Step 2: If Step 1 fails to result in adequate mitigation within 30 minutes of the original determination, apply additional measures such as application of soil stabilizers, visqueen, or a geotech fabric.		
Step 3: If Steps 1 and 2 fail to result in effective mitigation within 1 hour of the original determination, the AQCMM or AQCMM Delegate shall direct a temporary shutdown of the activity		
causing the emissions. ¹		
Step 1: Immediately cease the activities causing the visible dust plumes if any obscuration of visibility is occurring to drivers on I-5.		
Reduce visible dust plumes to comply with CEC COC AQ-SC4 within 50 feet upwind of the I-5 freeway		
Area Affected / Source:	No truck or Dirt traffic	Date / Time Identified:
application of the existing mitigation methods immediately if the visible plumes are seen within 50 feet of I-5 but are not causing obscuration of visibility to drivers.	Mitigation Measure Implemented:	Time Implemented / Notes
Step 2: Direct implementation or additional methods for dust suppression and monitor the start-up and/or continuation of the dust causing activities to ensure that the additional mitigation is effective.		
Step 3: Direct a temporary shutdown of the activity causing the emissions if Step 2 specified above fails to result in effective mitigation. ²		

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: Tommy Brister

Date: 4/02/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily

On Going Diesel Requirements	Checklist Criteria:	Response:	Notes:
Update Equipment Inventory List	Equipment Updated (Y/N/NA):	YES	Newly arrived equipment is tracked
Confirm all equipment are ARB tagged on both sides and tags are Visible.	Tags Visible (Y/N):	YES	All equipment coming on site is being tagged
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	Tags are visible
Documentation of acceptable engine tier is on file.	Equipment Updated (Y/N/NA):	YES	
Letter from each equipment owner is one file indicating that equipment is being properly maintained	Letters Updated (Y/N/NA):	YES	
All diesel heavy construction equipment shall not idle for more than 5 minutes, to the extent practical. Vehicles that need to idle as part of their normal operation (such as concrete trucks) are exempted from this requirement. Note equipment needed to idle longer than 5 min as part of normal operation in the notes section of this checklist.	Idling Limited:(Y/N)	YES	
A list of all other actions taken to control diesel construction related emissions	Other Reductions:	N/A	

AQCMP or designee name: Tommy Brister

Date: 4/03/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily**Going Requirements****Area Affected:****Requirement:****Implemented
(Y/N):****Notes:**

Construction site entrance and Travel through	Post visible speed limit signs of a maximum of 10 MPH for unpaved	YES	Signs posted is various areas
Construction Eq Vehicle tires	Inspected and washed as necessary to clean off dirt prior to leaving	NA	No Dirt traffic at current time
Construction entrance	Enter only through treated entrance roadways as noted on Site Map. Alternative route approved by CPM - If alternative route chosen indicated on Site Map and note rationale for change	YES	Gate #3 is the designated rout of entry for project. Paved road
Unpaved roads and disturbed areas in project and laydown area	Water areas to limit visible dust. If watering is required note frequency and time in notes section of checklist	NA	No dirt traffic at current time
Construction areas adjacent to any paved roadways	Provided with sandbags or other measures in SWPPP to prevent runoff, note location of measures in Site Figure Map	YES	
Tire washing / cleaning station	Gravel ramps min 20 ft in length - identify location in Site Figure Map	YES	No truck traffic at current time
Unpaved Exits	At all exit locations: Gravel or treated to prevent track-out - identify	YES	Rumble plate put in place
Paved Areas	Swept at least twice daily (or less during periods of precipitation during active days of construction)	YES	Is being completed twice a day
Public Roadway existing construction site	500 feet of public roadway swept visually clean at least twice daily (or less during periods of precipitation) during active	YES	No dirt traffic at current time
Bulk transport vehicles with materials that have potential to cause visible emissions on public	Cover or wet and load so that the trucks have at least 2 feet of freeboard	NA	No truck traffic at current time
Storage areas inactive for more than 10 days	Covered or treated with dust suppressants, and vehicle access will be restricted.	N/A	
Construction Areas that may be disturbed and are generating fugitive dust	Install wind erosions control techniques (such as gravel, windbreaks, water, chemical dust suppressants, and/or vegetation) until soil is stabilized or permanently covered w/ vegetation.	NA	No truck traffic at current time
Disturbed areas Demolition Haul Trucks -	Re-Vegetated as soon as possible Travel limited to paved or	YES	No dirt traffic at the

Within the Encina Power Station
Property

graveled surfaces - Note Routes on Site Figure Map

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project,

1 The activity shall not restart until the AQCM or AQCM Delegate is satisfied that appropriate additional mitigation or other site conditions have changed so that visual dust plumes will not result upon restarting the activity that caused the shut-down. The owner/operator may appeal to the CPM any directive from the AQCM or AQCM Delegate to shut down an activity, provided that the shutdown shall go into effect within one hour of the original determination, unless overruled by the CPM before that time.

Date: 4/03/2021

Monitoring for Visible Dust Plumes with the potential to be transported off the projectsite: Definition of Areas Requirement

Specific Location / Area:

Identify Area	200 feet beyond the centerline of the construction of linear	
Identify	within 100 feet upwind of any regularly occupied structures	
Identify distance /	50 feet upwind of I-5	

Reduce visible dust plumes to comply with CEC COC AQ-SC4 (with the exception of visible emissions within 50 feet upwind of the I-5

freeway) Area Affected / Source:	NO Truck / Dirt traffic at current time	
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Date / Time Identified:

Mitigation Measure Implemented:

Time Implemented / Notes

Step 1: Within 15 minutes of making such a determination, require more intensive application of existing method - such as additional soil wetting		
Step 2: If Step 1 fails to result in adequate mitigation within 30 minutes of the original determination, apply additional measures such as application of soil stabilizers, visqueen, or a geotech fabric.		
Step 3: If Steps 1 and 2 fail to result in effective mitigation within 1 hour of the original determination, the AQCM or AQCM Delegate shall direct a temporary shutdown of the activity causing the emissions. ¹		
Step 1: Immediately cease the activities causing the visible dust plumes if any obscuration of visibility is occurring to drivers on I-5.		
Reduce visible dust plumes to comply with CEC COC AQ-SC4 within 50 feet upwind of the I-5 freeway		
Area Affected / Source:	No truck or Dirt traffic	Date / Time Identified:
application of the existing mitigation methods immediately if the visible plumes are seen within 50 feet of I-5 but are not causing obscuration of visibility to drivers.	Mitigation Measure Implemented:	Time Implemented / Notes
Step 2: Direct implementation or additional methods for dust suppression and monitor the start-up and/or continuation of the dust causing activities to ensure that the additional mitigation is effective.		
Step 3: Direct a temporary shutdown of the activity causing the emissions if Step 2 specified above fails to result in effective mitigation. ²		

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: *Tommy Brister*

Date: 4/03/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily

On Going Diesel Requirements	Checklist Criteria:	Response:	Notes:
Update Equipment Inventory List	Equipment Updated (Y/N/NA):	YES	Newly arrived equipment is tracked
Confirm all equipment are ARB tagged on both sides and tags are Visible.	Tags Visible (Y/N):	YES	All equipment coming on site is being tagged
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	Tags are visible
Documentation of acceptable engine tier is on file.	Equipment Updated (Y/N/NA):	YES	
Letter from each equipment owner is on file indicating that equipment is being properly maintained	Letters Updated (Y/N/NA):	YES	
All diesel heavy construction equipment shall not idle for more than 5 minutes, to the extent practical. Vehicles that need to idle as part of their normal operation (such as concrete trucks) are exempted from this requirement. Note equipment needed to idle longer than 5 min as part of normal operation in the notes section of this checklist.	Idling Limited:(Y/N)	YES	
A list of all other actions taken to control diesel construction related emissions	Other Reductions:	N/A	

AQCMP or designee name: Tommy Brister

Date: 4/05/2021**Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily****Going Requirements****Area Affected:****Requirement:****Implemented
(Y/N):****Notes:**

Construction site entrance and Travel through	Post visible speed limit signs of a maximum of 10 MPH for unpaved	YES	Signs posted in various areas
Construction Equipment tires	Inspected and washed as necessary to clean off dirt prior to leaving	NA	No dirt traffic at current time
Construction entrance	Enter only through treated entrance roadways as noted on Site Map. Alternative route approved by CPM - If alternative route chosen indicated on Site Map and note rationale for change	YES	Gate #3 is the designated route of entry for project. Paved road
Unpaved roads and disturbed areas in project and laydown area	Water areas to limit visible dust. If watering is required note frequency and time in notes section of checklist	NA	No dirt traffic at current time
Construction areas adjacent to any paved roadways	Provided with sandbags or other measures in SWPPP to prevent runoff, note location of measures in Site Figure Map	YES	
Tire washing / cleaning station	Gravel ramps min 20 ft in length - identify location in Site Figure Map	YES	No truck traffic at current time
Unpaved Exits	At all exit locations: Gravel or treated to prevent track-out - <u>identify</u>	YES	Rumble plate put in place
Paved Areas	Swept at least twice daily (or less during periods of precipitation during active days of construction)	YES	Is being completed twice a day
Public Roadway existing construction site	500 feet of public roadway swept visually clean at least twice daily (or less during periods of precipitation) during active	YES	No dirt traffic at current time
Bulk transport vehicles with materials that have potential to cause visible emissions on public	Cover or wet and load so that the trucks have at least 2 feet of freeboard	NA	No truck traffic at current time
Storage areas inactive for more than 10 days	Covered or treated with dust suppressants, and vehicle access will be restricted.	N/A	
Construction Areas that may be disturbed and are generating fugitive dust	Install wind erosion control techniques (such as gravel, windbreaks, water, chemical dust suppressants, and/or vegetation) until soil is stabilized or permanently covered w/ vegetation.	NA	No truck traffic at current time
Disturbed areas Demolition Haul Trucks -	Re-Vegetated as soon as possible Travel limited to paved or	YES	No dirt traffic at the

Within the Encina Power Station
Property

graveled surfaces - Note Routes on Site Figure Map

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project,

1. The activity shall not restart until the AQCMM or AQCMM Delegate is satisfied that appropriate additional mitigation or other site conditions have changed so that visual dust plumes will not result upon restarting the activity that caused the shut-down. The owner/operator may appeal to the CPM any directive from the AQCMM or AQCMM Delegate to shut down an activity, provided that the shutdown shall go into effect within one hour of the original determination, unless overruled by the CPM before that time.

Date: 4/05/2021

Monitoring for Visible Dust Plumes with the potential to be transported off the projectsite: Definition of Areas Requirement

Specific Location / Area:

<i>Identify Area</i>	200 feet beyond the centerline of the construction of linear	
<i>Identify</i>	within 100 feet upwind of any regularly occupied structures	
<i>Identify distance /</i>	50 feet upwind of I-5	

Reduce visible dust plumes to comply with CEC COC AQ-SC4 (with the exception of visible emissions within 50 feet upwind of the I-5

freeway) Area Affected / Source:	NO Truck / Dirt traffic at current time	
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Date / Time Identified:

Mitigation Measure Implemented:

Time Implemented / Notes

Step 1: Within 15 minutes of making such a determination, require more intensive application of existing method – such as additional soil wetting		
Step 2: If Step 1 fails to result in adequate mitigation within 30 minutes of the original determination, apply additional measures such as application of soil stabilizers, visqueen, or a geotech fabric.		
Step 3: If Steps 1 and 2 fail to result in effective mitigation within 1 hour of the original determination, the AQCMM or AQCMM Delegate shall direct a temporary shutdown of the activity causing the emissions. ¹		
Step 1: Immediately cease the activities causing the visible dust plumes if any obscuration of visibility is occurring to drivers on I-5. Direct more intensive application of the existing mitigation methods immediately if the visible plumes are seen within 50 feet of I-5 but are not causing obscuration of visibility to drivers.	Reduce visible dust plumes to comply with CEC COC AQ-SC4 within 50 feet upwind of the I-5 freeway	
Step 2: Direct implementation of additional methods for dust suppression and monitor the start-up and/or continuation of the dust causing activities to ensure that the additional mitigation is effective.	Area Affected / Source: No truck or Dirt traffic	Date / Time Identified:
Step 3: Direct a temporary shutdown of the activity causing the emissions if Step 2 specified above fails to result in effective mitigation. ²	Mitigation Measure Implemented:	Time Implemented / Notes

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: *Tommy Brister*

Date: 4/05/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily

On Going Diesel Requirements	Checklist Criteria:	Response:	Notes:
Update Equipment Inventory List	Equipment Updated (Y/N/NA):	YES	Newly arrived equipment is tracked
Confirm all equipment are ARB tagged on both sides and tags are Visible.	Tags Visible (Y/N):	YES	All equipment coming on site is being tagged
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	Tags are visible
Documentation of acceptable engine tier is on file.	Equipment Updated (Y/N/NA):	YES	
Letter from each equipment owner is on file indicating that equipment is being properly maintained	Letters Updated (Y/N/NA):	YES	
All diesel heavy construction equipment shall not idle for more than 5 minutes, to the extent practical. Vehicles that need to idle as part of their normal operation (such as concrete trucks) are exempted from this requirement. Note equipment needed to idle longer than 5 min as part of normal operation in the notes section of this checklist.	Idling Limited:(Y/N)	YES	
A list of all other actions taken to control diesel construction related emissions	Other Reductions:	N/A	

AQCMP or designee name: Tommy Brister

Date: 4/06/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily**Going Requirements****Area Affected:****Requirement:****Implemented
(Y/N):****Notes:**

Construction site entrance and Travel through	Post visible speed limit signs of a maximum of 10 MPH for unpaved	YES	Signs posted in various areas
Construction Eq Vehicle tires	Inspected and washed as necessary to clean off dirt prior to leaving	NA	No Dirt traffic at current time
Construction entrance	Enter only through treated entrance roadways as noted on Site Map. Alternative route approved by CPM - If alternative route chosen indicated on Site Map and note rationale for change	YES	Gate #3 is the designated route of entry for project. Paved road
Unpaved roads and disturbed areas in project and laydown area	Water areas to limit visible dust. If watering is required note frequency and time in notes section of checklist	NA	No dirt traffic at current time
Construction areas adjacent to any paved roadways	Provided with sandbags or other measures in SWPPP to prevent runoff, note location of measures in Site Figure Map	YES	
Tire washing / cleaning station	Gravel ramps min 20 ft in length - identify location in Site Figure Map	YES	No truck traffic at current time
Unpaved Exits	At all exit locations: Gravel or treated to prevent track-out - identify	YES	Rumble plate put in place
Paved Areas	Swept at least twice daily (or less during periods of precipitation during active days of construction)	YES	Is being completed twice a day
Public Roadway existing construction site	500 feet of public roadway swept visually clean at least twice daily (or less during periods of precipitation) during active	YES	No dirt traffic at current time
Bulk transport vehicles with materials that have potential to cause visible emissions on public	Cover or wet and load so that the trucks have at least 2 feet of freeboard	NA	No truck traffic at current time
Storage areas inactive for more than 10 days	Covered or treated with dust suppressants, and vehicle access will be restricted.	N/A	
Construction Areas that may be disturbed and are generating fugitive dust	Install wind erosion control techniques (such as gravel, windbreaks, water, chemical dust suppressants, and/or vegetation) until soil is stabilized or permanently covered w/ vegetation.	NA	No truck traffic at current time
Disturbed areas Demolition Haul Trucks -	Re-Vegetated as soon as possible Travel limited to paved or	YES	No dirt traffic at the

Within the Encina Power Station
Property

graveled surfaces - Note Routes on Site Figure Map

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project,

1 The activity shall not restart until the AQCM or AQCM Delegate is satisfied that appropriate additional mitigation or other site conditions have changed so that visual dust plumes will not result upon restarting the activity that caused the shut-down. The owner/operator may appeal to the CPM any directive from the AQCM or AQCM Delegate to shut down an activity, provided that the shutdown shall go into effect within one hour of the original determination, unless overruled by the CPM before that time.

Date: 4/06/2021

Monitoring for Visible Dust Plumes with the potential to be transported off the projectsite: Definition of Areas Requirement

Specific Location / Area:

<i>Identify Area</i>	200 feet beyond the centerline of the construction of linear	
<i>Identify</i>	within 100 feet upwind of any regularly occupied structures	
<i>Identify distance /</i>	50 feet upwind of I-5	

Reduce visible dust plumes to comply with CEC COC AQ-SC4 (with the exception of visible emissions within 50 feet upwind of the I-5

freeway) Area Affected / Source:	NO Truck / Dirt traffic at current time	
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Date / Time Identified:

Mitigation Measure Implemented:

Time Implemented / Notes

Step 1: Within 15 minutes of making such a determination, require more intensive application of existing method - such as additional soil wetting		
Step 2: If Step 1 fails to result in adequate mitigation within 30 minutes of the original determination, apply additional measures such as application of soil stabilizers, visqueen, or a geotech fabric.		
Step 3: If Steps 1 and 2 fail to result in effective mitigation within 1 hour of the original determination, the AQCM or AQCM Delegate shall direct a temporary shutdown of the activity causing the emissions. ¹		
Step 1: Immediately cease the activities causing the visible dust plumes if any obscuration of visibility is occurring to drivers on I-5. Direct more intensive application of the existing mitigation methods immediately if the visible plumes are seen within 50 feet of I-5 but are not causing obscuration of visibility to drivers.	Reduce visible dust plumes to comply with CEC COC AQ-SC4 within 50 feet upwind of the I-5 freeway	
Step 2: Direct implementation of additional methods for dust suppression and monitor the start-up and/or continuation of the dust causing activities to ensure that the additional mitigation is effective.	Area Affected / Source: No truck or Dirt traffic	Date / Time Identified:
Step 3: Direct a temporary shutdown of the activity causing the emissions if Step 2 specified above fails to result in effective mitigation. ²	Mitigation Measure Implemented:	Time Implemented / Notes

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: *Tommy Brister*

Date: 4/06/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily

On Going Diesel Requirements	Checklist Criteria:	Response:	Notes:
Update Equipment Inventory List	Equipment Updated (Y/N/NA):	YES	Newly arrived equipment is tracked
Confirm all equipment are ARB tagged on both sides and tags are Visible.	Tags Visible (Y/N):	YES	All equipment coming on site is being tagged
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	Tags are visible
Documentation of acceptable engine tier is on file.	Equipment Updated (Y/N/NA):	YES	
Letter from each equipment owner is on file indicating that equipment is being properly maintained	Letters Updated (Y/N/NA):	YES	
All diesel heavy construction equipment shall not idle for more than 5 minutes, to the extent practical. Vehicles that need to idle as part of their normal operation (such as concrete trucks) are exempted from this requirement. Note equipment needed to idle longer than 5 min as part of normal operation in the notes section of this checklist.	Idling Limited:(Y/N)	YES	
A list of all other actions taken to control diesel construction related emissions	Other Reductions:	N/A	

AQCMP or designee name: Tommy Brister

Date: 4/07/2021**Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily****Going Requirements****Area Affected:****Requirement:****Implemented
(Y/N):****Notes:**

Construction site entrance and Travel through	Post visible speed limit signs of a maximum of 10 MPH for unpaved	YES	Signs posted in various areas
Construction Eq Vehicle tires	Inspected and washed as necessary to clean off dirt prior to leaving	NA	No dirt traffic at current time
Construction entrance	Enter only through treated entrance roadways as noted on Site Map. Alternative route approved by CPM - If alternative route chosen indicated on Site Map and note rationale for change	YES	Gate #3 is the designated route of entry for project. Paved road
Unpaved roads and disturbed areas in project and laydown area	Water areas to limit visible dust. If watering is required note frequency and time in notes section of checklist	NA	No dirt traffic at current time
Construction areas adjacent to any paved roadways	Provided with sandbags or other measures in SWPPP to prevent runoff, note location of measures in Site Figure Map	YES	
Tire washing / cleaning station	Gravel ramps min 20 ft in length - identify location in Site Figure Map	YES	No truck traffic at current time
Unpaved Exits	At all exit locations: Gravel or treated to prevent track-out - identify	YES	Rumble plate put in place
Paved Areas	Swept at least twice daily (or less during periods of precipitation during active days of construction)	YES	Is being completed twice a day
Public Roadway existing construction site	500 feet of public roadway swept visually clean at least twice daily (or less during periods of precipitation) during active	YES	No dirt traffic at current time
Bulk transport vehicles with materials that have potential to cause visible emissions on public	Cover or wet and load so that the trucks have at least 2 feet of freeboard	NA	No truck traffic at current time
Storage areas inactive for more than 10 days	Covered or treated with dust suppressants, and vehicle access will be restricted.	N/A	
Construction Areas that may be disturbed and are generating fugitive dust	Install wind erosion control techniques (such as gravel, windbreaks, water, chemical dust suppressants, and/or vegetation) until soil is stabilized or permanently covered w/ vegetation.	NA	No truck traffic at current time
Disturbed areas Demolition Haul Trucks -	Re-Vegetated as soon as possible Travel limited to paved or	YES	No dirt traffic at the

Within the Encina Power Station
Property

graveled surfaces - Note Routes on Site Figure Map

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project,

1 The activity shall not restart until the AQCM or AQCM Delegate is satisfied that appropriate additional mitigation or other site conditions have changed so that visual dust plumes will not result upon restarting the activity that caused the shut-down. The owner/operator may appeal to the CPM any directive from the AQCM or AQCM Delegate to shut down an activity, provided that the shutdown shall go into effect within one hour of the original determination, unless overruled by the CPM before that time.

Date: 4/07/2021

Monitoring for Visible Dust Plumes with the potential to be transported off the projectsite: Definition of Areas Requirement

Specific Location / Area:

<i>Identify Area</i>	200 feet beyond the centerline of the construction of linear	
<i>Identify</i>	within 100 feet upwind of any regularly occupied structures	
<i>Identify distance /</i>	50 feet upwind of I-5	

Reduce visible dust plumes to comply with CEC COC AQ-SC4 (with the exception of visible emissions within 50 feet upwind of the I-5

freeway) Area Affected / Source:	NO Truck / Dirt traffic at current time	
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Date / Time Identified:

Mitigation Measure Implemented:

Time Implemented / Notes

Step 1: Within 15 minutes of making such a determination, require more intensive application of existing method – such as additional soil wetting		
Step 2: If Step 1 fails to result in adequate mitigation within 30 minutes of the original determination, apply additional measures such as application of soil stabilizers, visqueen, or a geotech fabric.		
Step 3: If Steps 1 and 2 fail to result in effective mitigation within 1 hour of the original determination, the AQCM or AQCM Delegate shall direct a temporary shutdown of the activity		
causing the emissions. ¹		
Step 1: Immediately cease the activities causing the visible dust plumes if any obscuration of visibility is occurring to drivers on I-5.		
Reduce visible dust plumes to comply with CEC COC AQ-SC4 within 50 feet upwind of the I-5 freeway		
Area Affected / Source:	No truck or Dirt traffic	Date / Time Identified:
application of the existing mitigation methods immediately if the visible plumes are seen within 50 feet of I-5 but are not causing obscuration of visibility to drivers.	Mitigation Measure Implemented:	Time Implemented / Notes
Step 2: Direct implementation of additional methods for dust suppression and monitor the start-up and/or continuation of the dust causing activities to ensure that the additional mitigation is effective.		
Step 3: Direct a temporary shutdown of the activity causing the emissions if Step 2 specified above fails to result in effective mitigation. ²		

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: Tommy Brister

Date: 4/07/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily

On Going Diesel Requirements	Checklist Criteria:	Response:	Notes:
Update Equipment Inventory List	Equipment Updated (Y/N/NA):	YES	Newly arrived equipment is tracked
Confirm all equipment are ARB tagged on both sides and tags are Visible.	Tags Visible (Y/N):	YES	All equipment coming on site is being tagged
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	Tags are visible
Documentation of acceptable engine tier is on file.	Equipment Updated (Y/N/NA):	YES	
Letter from each equipment owner is on file indicating that equipment is being properly maintained	Letters Updated (Y/N/NA):	YES	
All diesel heavy construction equipment shall not idle for more than 5 minutes, to the extent practical. Vehicles that need to idle as part of their normal operation (such as concrete trucks) are exempted from this requirement. Note equipment needed to idle longer than 5 min as part of normal operation in the notes section of this checklist.	Idling Limited:(Y/N)	YES	
A list of all other actions taken to control diesel construction related emissions	Other Reductions:	N/A	

AQCMP or designee name: Tommy Brister

Date: 4/08/2021**Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily****Going Requirements****Area Affected:****Requirement:****Implemented
(Y/N):****Notes:**

Construction site entrance and Travel through	Post visible speed limit signs of a maximum of 10 MPH for unpaved	YES	Signs posted is various areas
Construction Eq Vehicle tires	Inspected and washed as necessary to clean off dirt prior to leaving	NA	No Dirt traffic at current time
Construction entrance	Enter only through treated entrance roadways as noted on Site Map. Alternative route approved by CPM - If alternative route chosen indicated on Site Map and note rationale for change	YES	Gate #3 is the designated rout of entry for project. Paved road
Unpaved roads and disturbed areas in project and laydown area	Water areas to limit visible dust. If watering is required note frequency and time in notes section of checklist	NA	No dirt traffic at current time
Construction areas adjacent to any paved roadways	Provided with sandbags or other measures in SWPPP to prevent runoff, note location of measures in Site Figure Map	YES	
Tire washing / cleaning station	Gravel ramps min 20 ft in length - identify location in Site Figure Map	YES	No truck traffic at current time
Unpaved Exits	At all exit locations: Gravel or treated to prevent track-out - <u>identify</u>	YES	Rumble plate put in place
Paved Areas	Swept at least twice daily (or less during periods of precipitation during active days of construction)	YES	Is being completed twice a day
Public Roadway existing construction site	500 feet of public roadway swept visually clean at least twice daily (or less during periods of precipitation) during active	YES	No dirt traffic at current time
Bulk transport vehicles with materials that have potential to cause visible emissions on public	Cover or wet and load so that the trucks have at least 2 feet of freeboard	NA	No truck traffic at current time
Storage areas inactive for more than 10 days	Covered or treated with dust suppressants, and vehicle access will be restricted.	N/A	
Construction Areas that may be disturbed and are generating fugitive dust	Install wind erosions control techniques (such as gravel, windbreaks, water, chemical dust suppressants, and/or vegetation) until soil is stabilized or permanently covered w/ vegetation.	NA	No truck traffic at current time
Disturbed areas Demolition Haul Trucks -	Re-Vegetated as soon as possible Travel limited to paved or	YES	No dirt traffic at the

Within the Encina Power Station
Property

graveled surfaces - Note Routes on Site Figure Map

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project,

1 The activity shall not restart until the AQCM or AQCM Delegate is satisfied that appropriate additional mitigation or other site conditions have changed so that visual dust plumes will not result upon restarting the activity that caused the shut-down. The owner/operator may appeal to the CPM any directive from the AQCM or AQCM Delegate to shut down an activity, provided that the shutdown shall go into effect within one hour of the original determination, unless overruled by the CPM before that time.

Date: 4/08/2021

Monitoring for Visible Dust Plumes with the potential to be transported off the projectsite: Definition of Areas Requirement

Specific Location / Area:

<i>Identify Area</i>	200 feet beyond the centerline of the construction of linear	
<i>Identify</i>	within 100 feet upwind of any regularly occupied structures	
<i>Identify distance /</i>	50 feet upwind of I-5	

Reduce visible dust plumes to comply with CEC COC AQ-SC4 (with the exception of visible emissions within 50 feet upwind of the I-5

freeway) Area Affected / Source:	NO Truck / Dirt traffic at current time	
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Date / Time Identified:

**Mitigation Measure
Implemented:**

Time Implemented / Notes

Step 1: Within 15 minutes of making such a determination, require more intensive application of existing method - such as additional soil wetting		
Step 2: If Step 1 fails to result in adequate mitigation within 30 minutes of the original determination, apply additional measures such as application of soil stabilizers, visqueen, or a geotech fabric.		
Step 3: If Steps 1 and 2 fail to result in effective mitigation within 1 hour of the original determination, the AQCM or AQCM Delegate shall direct a temporary shutdown of the activity causing the emissions. ¹		
Step 1: Immediately cease the activities causing the visible dust plumes if any obscuration of visibility is occurring to drivers on I-5.		
Reduce visible dust plumes to comply with CEC COC AQ-SC4 within 50 feet upwind of the I-5 freeway		
Area Affected / Source:	No truck or Dirt traffic	Date / Time Identified:
application of the existing mitigation methods immediately if the visible plumes are seen within 50 feet of I-5 but are not causing obscuration of visibility to drivers.	Mitigation Measure Implemented:	Time Implemented / Notes
Step 2: Direct implementation of additional methods for dust suppression and monitor the start-up and/or continuation of the dust causing activities to ensure that the additional mitigation is effective.		
Step 3: Direct a temporary shutdown of the activity causing the emissions if Step 2 specified above fails to result in effective mitigation. ²		

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: *Tommy Brister*

Date: 4/08/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily

On Going Diesel Requirements	Checklist Criteria:	Response:	Notes:
Update Equipment Inventory List	Equipment Updated (Y/N/NA):	YES	Newly arrived equipment is tracked
Confirm all equipment are ARB tagged on both sides and tags are Visible.	Tags Visible (Y/N):	YES	All equipment coming on site is being tagged
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	Tags are visible
Documentation of acceptable engine tier is on file.	Equipment Updated (Y/N/NA):	YES	
Letter from each equipment owner is on file indicating that equipment is being properly maintained	Letters Updated (Y/N/NA):	YES	
All diesel heavy construction equipment shall not idle for more than 5 minutes, to the extent practical. Vehicles that need to idle as part of their normal operation (such as concrete trucks) are exempted from this requirement. Note equipment needed to idle longer than 5 min as part of normal operation in the notes section of this checklist.	Idling Limited:(Y/N)	YES	
A list of all other actions taken to control diesel construction related emissions	Other Reductions:	N/A	

AQCMP or designee name: Tommy Brister

Date: 4/09/2021**Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily****Going Requirements****Area Affected:****Requirement:****Implemented
(Y/N):****Notes:**

Construction site entrance and Travel through	Post visible speed limit signs of a maximum of 10 MPH for unpaved	YES	Signs posted is various areas
Construction Eq Vehicle tires	Inspected and washed as necessary to clean off dirt prior to leaving	NA	No Dirt traffic at current time
Construction entrance	Enter only through treated entrance roadways as noted on Site Map. Alternative route approved by CPM - If alternative route chosen indicated on Site Map and note rationale for change	YES	Gate #3 is the designated rout of entry for project. Paved road
Unpaved roads and disturbed areas in project and laydown area	Water areas to limit visible dust. If watering is required note frequency and time in notes section of checklist	NA	No dirt traffic at current time
Construction areas adjacent to any paved roadways	Provided with sandbags or other measures in SWPPP to prevent runoff, note location of measures in Site Figure Map	YES	
Tire washing / cleaning station	Gravel ramps min 20 ft in length - identify location in Site Figure Map	YES	No truck traffic at current time
Unpaved Exits	At all exit locations: Gravel or treated to prevent track-out - identify	YES	Rumble plate put in place
Paved Areas	Swept at least twice daily (or less during periods of precipitation during active days of construction)	YES	Is being completed twice a day
Public Roadway existing construction site	500 feet of public roadway swept visually clean at least twice daily (or less during periods of precipitation) during active	YES	No dirt traffic at current time
Bulk transport vehicles with materials that have potential to cause visible emissions on public	Cover or wet and load so that the trucks have at least 2 feet of freeboard	NA	No truck traffic at current time
Storage areas inactive for more than 10 days	Covered or treated with dust suppressants, and vehicle access will be restricted.	N/A	
Construction Areas that may be disturbed and are generating fugitive dust	Install wind erosions control techniques (such as gravel, windbreaks, water, chemical dust suppressants, and/or vegetation) until soil is stabilized or permanently covered w/ vegetation.	NA	No truck traffic at current time
Disturbed areas Demolition Haul Trucks -	Re-Vegetated as soon as possible Travel limited to paved or	YES	No dirt traffic at the

Within the Encina Power Station
Property

graveled surfaces - Note Routes on Site Figure Map

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project,

1 The activity shall not restart until the AQCM or AQCM Delegate is satisfied that appropriate additional mitigation or other site conditions have changed so that visual dust plumes will not result upon restarting the activity that caused the shut-down. The owner/operator may appeal to the CPM any directive from the AQCM or AQCM Delegate to shut down an activity, provided that the shutdown shall go into effect within one hour of the original determination, unless overruled by the CPM before that time.

Date: 4/09/2021

Monitoring for Visible Dust Plumes with the potential to be transported off the projectsite: Definition of Areas Requirement

Specific Location / Area:

Identify Area	200 feet beyond the centerline of the construction of linear	
Identify	within 100 feet upwind of any regularly occupied structures	
Identify distance /	50 feet upwind of I-5	

Reduce visible dust plumes to comply with CEC COC AQ-SC4 (with the exception of visible emissions within 50 feet upwind of the I-5

freeway) Area Affected / Source:	NO Truck / Dirt traffic at current time	
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Date / Time Identified:

Mitigation Measure Implemented:

Time Implemented / Notes

Step 1: Within 15 minutes of making such a determination, require more intensive application of existing method - such as additional soil wetting		
Step 2: If Step 1 fails to result in adequate mitigation within 30 minutes of the original determination, apply additional measures such as application of soil stabilizers, visqueen, or a geotech fabric.		
Step 3: If Steps 1 and 2 fail to result in effective mitigation within 1 hour of the original determination, the AQCM or AQCM Delegate shall direct a temporary shutdown of the activity causing the emissions. ¹		
Step 1: Immediately cease the activities causing the visible dust plumes if any obscuration of visibility is occurring to the south of I-5.		
Reduce visible dust plumes to comply with CEC COC AQ-SC4 within 50 feet upwind of the I-5 freeway		
Area Affected / Source:	No truck or Dirt traffic	Date / Time Identified:
application of the existing mitigation methods immediately if the visible plumes are seen within 50 feet of I-5 but are not causing obscuration of visibility to drivers.	Mitigation Measure Implemented:	Time Implemented / Notes
Step 2: Direct implementation of additional methods for dust suppression and monitor the start-up and/or continuation of the dust causing activities to ensure that the additional mitigation is effective.		
Step 3: Direct a temporary shutdown of the activity causing the emissions if Step 2 specified above fails to result in effective mitigation. ²		

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: *Tommy Brister*

Date: 4/09/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily

On Going Diesel Requirements	Checklist Criteria:	Response:	Notes:
Update Equipment Inventory List	Equipment Updated (Y/N/NA):	YES	Newly arrived equipment is tracked
Confirm all equipment are ARB tagged on both sides and tags are Visible.	Tags Visible (Y/N):	YES	All equipment coming on site is being tagged
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	Tags are visible
Documentation of acceptable engine tier is on file.	Equipment Updated (Y/N/NA):	YES	
Letter from each equipment owner is on file indicating that equipment is being properly maintained	Letters Updated (Y/N/NA):	YES	
All diesel heavy construction equipment shall not idle for more than 5 minutes, to the extent practical. Vehicles that need to idle as part of their normal operation (such as concrete trucks) are exempted from this requirement. Note equipment needed to idle longer than 5 min as part of normal operation in the notes section of this checklist.	Idling Limited:(Y/N)	YES	
A list of all other actions taken to control diesel construction related emissions	Other Reductions:	N/A	

AQCMP or designee name: Tommy Brister

Date: 4/10/2021**Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily****Going Requirements****Area Affected:****Requirement:****Implemented
(Y/N):****Notes:**

Construction site entrance and Travel through	Post visible speed limit signs of a maximum of 10 MPH for unpaved	YES	Signs posted is various areas
Construction Eq Vehicle tires	Inspected and washed as necessary to clean off dirt prior to leaving	NA	No Dirt traffic at current time
Construction entrance	Enter only through treated entrance roadways as noted on Site Map. Alternative route approved by CPM - If alternative route chosen indicated on Site Map and note rationale for change	YES	Gate #3 is the designated rout of entry for project. Paved road
Unpaved roads and disturbed areas in project and laydown area	Water areas to limit visible dust. If watering is required note frequency and time in notes section of checklist	NA	No dirt traffic at current time
Construction areas adjacent to any paved roadways	Provided with sandbags or other measures in SWPPP to prevent runoff, note location of measures in Site Figure Map	YES	
Tire washing / cleaning station	Gravel ramps min 20 ft in length - identify location in Site Figure Map	YES	No truck traffic at current time
Unpaved Exits	At all exit locations: Gravel or treated to prevent track-out - identify	YES	Rumble plate put in place
Paved Areas	Swept at least twice daily (or less during periods of precipitation during active days of construction)	YES	Is being completed twice a day
Public Roadway existing construction site	500 feet of public roadway swept visually clean at least twice daily (or less during periods of precipitation) during active	YES	No dirt traffic at current time
Bulk transport vehicles with materials that have potential to cause visible emissions on public	Cover or wet and load so that the trucks have at least 2 feet of freeboard	NA	No truck traffic at current time
Storage areas inactive for more than 10 days	Covered or treated with dust suppressants, and vehicle access will be restricted.	N/A	
Construction Areas that may be disturbed and are generating fugitive dust	Install wind erosions control techniques (such as gravel, windbreaks, water, chemical dust suppressants, and/or vegetation) until soil is stabilized or permanently covered w/ vegetation.	NA	No truck traffic at current time
Disturbed areas Demolition Haul Trucks -	Re-Vegetated as soon as possible Travel limited to paved or	YES	No dirt traffic at the

Within the Encina Power Station
Property

graveled surfaces - Note Routes on Site Figure Map

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project,

1. The activity shall not restart until the AQCM or AQCM Delegate is satisfied that appropriate additional mitigation or other site conditions have changed so that visual dust plumes will not result upon restarting the activity that caused the shut-down. The owner/operator may appeal to the CPM any directive from the AQCM or AQCM Delegate to shut down an activity, provided that the shutdown shall go into effect within one hour of the original determination, unless overruled by the CPM before that time.

Date: 4/10/2021

Monitoring for Visible Dust Plumes with the potential to be transported off the projectsite: Definition of Areas Requirement

Specific Location / Area:

<i>Identify Area</i>	200 feet beyond the centerline of the construction of linear	
<i>Identify</i>	within 100 feet upwind of any regularly occupied structures	
<i>Identify distance /</i>	50 feet upwind of I-5	

Reduce visible dust plumes to comply with CEC COC AQ-SC4 (with the exception of visible emissions within 50 feet upwind of the I-5

freeway) Area Affected / Source:	NO Truck / Dirt traffic at current time	
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Date / Time Identified:

Mitigation Measure Implemented:

Time Implemented / Notes

Step 1: Within 15 minutes of making such a determination, require more intensive application of existing method - such as additional soil wetting		
Step 2: If Step 1 fails to result in adequate mitigation within 30 minutes of the original determination, apply additional measures such as application of soil stabilizers, visqueen, or a geotech fabric.		
Step 3: If Steps 1 and 2 fail to result in effective mitigation within 1 hour of the original determination, the AQCM or AQCM Delegate shall direct a temporary shutdown of the activity		
causing the emissions. ¹		
Step 1: Immediately cease the activities causing the visible dust plumes if any obscuration of visibility is occurring to drivers.		
Reduce visible dust plumes to comply with CEC COC AQ-SC4 within 50 feet upwind of the I-5 freeway		
Area Affected / Source:	No truck or Dirt traffic	Date / Time Identified:
application of the existing mitigation methods immediately if the visible plumes are seen within 50 feet of I-5 but are not causing obscuration of visibility to drivers.	Mitigation Measure Implemented:	Time Implemented / Notes
Step 2: Direct implementation of additional methods for dust suppression and monitor the start-up and/or continuation of the dust causing activities to ensure that the additional mitigation is effective.		
Step 3: Direct a temporary shutdown of the activity causing the emissions if Step 2 specified above fails to result in effective mitigation. ²		

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: *Tommy Brister*

Date: 4/10/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily

On Going Diesel Requirements	Checklist Criteria:	Response:	Notes:
Update Equipment Inventory List	Equipment Updated (Y/N/NA):	YES	Newly arrived equipment is tracked
Confirm all equipment are ARB tagged on both sides and tags are Visible.	Tags Visible (Y/N):	YES	All equipment coming on site is being tagged
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	Tags are visible
Documentation of acceptable engine tier is on file.	Equipment Updated (Y/N/NA):	YES	
Letter from each equipment owner is on file indicating that equipment is being properly maintained	Letters Updated (Y/N/NA):	YES	
All diesel heavy construction equipment shall not idle for more than 5 minutes, to the extent practical. Vehicles that need to idle as part of their normal operation (such as concrete trucks) are exempted from this requirement. Note equipment needed to idle longer than 5 min as part of normal operation in the notes section of this checklist.	Idling Limited:(Y/N)	YES	
A list of all other actions taken to control diesel construction related emissions	Other Reductions:	N/A	

AQCMP or designee name: Tommy Brister

Date: 4/12/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily**Going Requirements****Area Affected:****Requirement:****Implemented
(Y/N):****Notes:**

Construction site entrance and Travel through	Post visible speed limit signs of a maximum of 10 MPH for unpaved	YES	Signs posted is various areas
Construction Eq Vehicle tires	Inspected and washed as necessary to clean off dirt prior to leaving	NA	No Dirt traffic at current time
Construction entrance	Enter only through treated entrance roadways as noted on Site Map. Alternative route approved by CPM - If alternative route chosen indicated on Site Map and note rationale for change	YES	Gate #3 is the designated rout of entry for project. Paved road
Unpaved roads and disturbed areas in project and laydown area	Water areas to limit visible dust. If watering is required note frequency and time in notes section of checklist	NA	No dirt traffic at current time
Construction areas adjacent to any paved roadways	Provided with sandbags or other measures in SWPPP to prevent runoff, note location of measures in Site Figure Map	YES	
Tire washing / cleaning station	Gravel ramps min 20 ft in length - identify location in Site Figure Map	YES	No truck traffic at current time
Unpaved Exits	At all exit locations: Gravel or treated to prevent track-out - <u>identify</u>	YES	Rumble plate put in place
Paved Areas	Swept at least twice daily (or less during periods of precipitation during active days of construction)	YES	Is being completed twice a day
Public Roadway existing construction site	500 feet of public roadway swept visually clean at least twice daily (or less during periods of precipitation) during active	YES	No dirt traffic at current time
Bulk transport vehicles with materials that have potential to cause visible emissions on public	Cover or wet and load so that the trucks have at least 2 feet of freeboard	NA	No truck traffic at current time
Storage areas inactive for more than 10 days	Covered or treated with dust suppressants, and vehicle access will be restricted.	N/A	
Construction Areas that may be disturbed and are generating fugitive dust	Install wind erosions control techniques (such as gravel, windbreaks, water, chemical dust suppressants, and/or vegetation) until soil is stabilized or permanently covered w/ vegetation.	NA	No truck traffic at current time
Disturbed areas Demolition Haul Trucks -	Re-Vegetated as soon as possible Travel limited to paved or	YES	No dirt traffic at the

Within the Encina Power Station
Property

graveled surfaces - Note Routes on Site Figure Map

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project,

1 The activity shall not restart until the AQCM or AQCM Delegate is satisfied that appropriate additional mitigation or other site conditions have changed so that visual dust plumes will not result upon restarting the activity that caused the shut-down. The owner/operator may appeal to the CPM any directive from the AQCM or AQCM Delegate to shut down an activity, provided that the shutdown shall go into effect within one hour of the original determination, unless overruled by the CPM before that time.

Date: 4/12/2021

Monitoring for Visible Dust Plumes with the potential to be transported off the projectsite: Definition of Areas Requirement

Specific Location / Area:

<i>Identify Area</i>	200 feet beyond the centerline of the construction of linear	
<i>Identify</i>	within 100 feet upwind of any regularly occupied structures	
<i>Identify distance /</i>	50 feet upwind of I-5	

Reduce visible dust plumes to comply with CEC COC AQ-SC4 (with the exception of visible emissions within 50 feet upwind of the I-5

freeway) Area Affected / Source:	NO Truck / Dirt traffic at current time	
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Date / Time Identified:

Mitigation Measure Implemented:

Time Implemented / Notes

Step 1: Within 15 minutes of making such a determination, require more intensive application of existing method - such as additional soil wetting		
Step 2: If Step 1 fails to result in adequate mitigation within 30 minutes of the original determination, apply additional measures such as application of soil stabilizers, visqueen, or a geotech fabric.		
Step 3: If Steps 1 and 2 fail to result in effective mitigation within 1 hour of the original determination, the AQCM or AQCM Delegate shall direct a temporary shutdown of the activity causing the emissions. ¹		
Step 1: Immediately cease the activities causing the visible dust plumes to comply with CEC COC AQ-SC4 within 50 feet upwind of the I-5 freeway		
Area Affected / Source:	No truck or Dirt traffic	Date / Time Identified:
application of the existing mitigation methods immediately if the visible plumes are seen within 50 feet of I-5 but are not causing obscuration of visibility to drivers.	Mitigation Measure Implemented:	Time Implemented / Notes
Step 2: Direct implementation of additional methods for dust suppression and monitor the start-up and/or continuation of the dust causing activities to ensure that the additional mitigation is effective.		
Step 3: Direct a temporary shutdown of the activity causing the emissions if Step 2 specified above fails to result in effective mitigation. ²		

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: *Tommy Brister*

Date: 4/12/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily

On Going Diesel Requirements	Checklist Criteria:	Response:	Notes:
Update Equipment Inventory List	Equipment Updated (Y/N/NA):	YES	Newly arrived equipment is tracked
Confirm all equipment are ARB tagged on both sides and tags are Visible.	Tags Visible (Y/N):	YES	All equipment coming on site is being tagged
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	Tags are visible
Documentation of acceptable engine tier is on file.	Equipment Updated (Y/N/NA):	YES	
Letter from each equipment owner is on file indicating that equipment is being properly maintained	Letters Updated (Y/N/NA):	YES	
All diesel heavy construction equipment shall not idle for more than 5 minutes, to the extent practical. Vehicles that need to idle as part of their normal operation (such as concrete trucks) are exempted from this requirement. Note equipment needed to idle longer than 5 min as part of normal operation in the notes section of this checklist.	Idling Limited:(Y/N)	YES	
A list of all other actions taken to control diesel construction related emissions	Other Reductions:	N/A	

AQCMP or designee name: Tommy Brister

Date: 4/13/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily**Going Requirements****Area Affected:****Requirement:****Implemented
(Y/N):****Notes:**

Construction site entrance and Travel through	Post visible speed limit signs of a maximum of 10 MPH for unpaved	YES	Signs posted is various areas
Construction Eq Vehicle tires	Inspected and washed as necessary to clean off dirt prior to leaving	NA	No Dirt traffic at current time
Construction entrance	Enter only through treated entrance roadways as noted on Site Map. Alternative route approved by CPM - If alternative route chosen indicated on Site Map and note rationale for change	YES	Gate #3 is the designated rout of entry for project. Paved road
Unpaved roads and disturbed areas in project and laydown area	Water areas to limit visible dust. If watering is required note frequency and time in notes section of checklist	NA	No dirt traffic at current time
Construction areas adjacent to any paved roadways	Provided with sandbags or other measures in SWPPP to prevent runoff, note location of measures in Site Figure Map	YES	
Tire washing / cleaning station	Gravel ramps min 20 ft in length - identify location in Site Figure Map	YES	No truck traffic at current time
Unpaved Exits	At all exit locations: Gravel or treated to prevent track-out - identify	YES	Rumble plate put in place
Paved Areas	Swept at least twice daily (or less during periods of precipitation during active days of construction)	YES	Is being completed twice a day
Public Roadway existing construction site	500 feet of public roadway swept visually clean at least twice daily (or less during periods of precipitation) during active	YES	No dirt traffic at current time
Bulk transport vehicles with materials that have potential to cause visible emissions on public	Cover or wet and load so that the trucks have at least 2 feet of freeboard	NA	No truck traffic at current time
Storage areas inactive for more than 10 days	Covered or treated with dust suppressants, and vehicle access will be restricted.	N/A	
Construction Areas that may be disturbed and are generating fugitive dust	Install wind erosions control techniques (such as gravel, windbreaks, water, chemical dust suppressants, and/or vegetation) until soil is stabilized or permanently covered w/ vegetation.	NA	No truck traffic at current time
Disturbed areas Demolition Haul Trucks -	Re-Vegetated as soon as possible Travel limited to paved or	YES	No dirt traffic at the

Within the Encina Power Station
Property

graveled surfaces - Note Routes on Site Figure Map

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project,

1 The activity shall not restart until the AQCM or AQCM Delegate is satisfied that appropriate additional mitigation or other site conditions have changed so that visual dust plumes will not result upon restarting the activity that caused the shut-down. The owner/operator may appeal to the CPM any directive from the AQCM or AQCM Delegate to shut down an activity, provided that the shutdown shall go into effect within one hour of the original determination, unless overruled by the CPM before that time.

Date: 4/13/2021

Monitoring for Visible Dust Plumes with the potential to be transported off the projectsite: Definition of Areas Requirement

Specific Location / Area:

<i>Identify Area</i>	200 feet beyond the centerline of the construction of linear	
<i>Identify</i>	within 100 feet upwind of any regularly occupied structures	
<i>Identify distance /</i>	50 feet upwind of I-5	

Reduce visible dust plumes to comply with CEC COC AQ-SC4 (with the exception of visible emissions within 50 feet upwind of the I-5

freeway) Area Affected / Source:	NO Truck / Dirt traffic at current time	
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Date / Time Identified:

Mitigation Measure Implemented:

Time Implemented / Notes

Step 1: Within 15 minutes of making such a determination, require more intensive application of existing method - such as additional soil wetting		
Step 2: If Step 1 fails to result in adequate mitigation within 30 minutes of the original determination, apply additional measures such as application of soil stabilizers, visqueen, or a geotech fabric.		
Step 3: If Steps 1 and 2 fail to result in effective mitigation within 1 hour of the original determination, the AQCM or AQCM Delegate shall direct a temporary shutdown of the activity causing the emissions. ¹		
Step 4: Immediately cease the activities causing the visible dust plumes if any obscuration of visibility is observed to drivers on I-5.		
Reduce visible dust plumes to comply with CEC COC AQ-SC4 within 50 feet upwind of the I-5 freeway		
Area Affected / Source:	No truck or Dirt traffic	Date / Time Identified:
applying to the project site. Direct more intensive application of the existing mitigation methods immediately if the visible plumes are seen within 50 feet of I-5 but are not causing obscuration of visibility to drivers.	Mitigation Measure Implemented:	Time Implemented / Notes
Step 2: Direct implementation of additional methods for dust suppression and monitor the start-up and/or continuation of the dust causing activities to ensure that the additional mitigation is effective.		
Step 3: Direct a temporary shutdown of the activity causing the emissions if Step 2 specified above fails to result in effective mitigation. ²		

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: *Tommy Brister*

Date: 4/13/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily

On Going Diesel Requirements	Checklist Criteria:	Response:	Notes:
Update Equipment Inventory List	Equipment Updated (Y/N/NA):	YES	Newly arrived equipment is tracked
Confirm all equipment are ARB tagged on both sides and tags are Visible.	Tags Visible (Y/N):	YES	All equipment coming on site is being tagged
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	Tags are visible
Documentation of acceptable engine tier is on file.	Equipment Updated (Y/N/NA):	YES	
Letter from each equipment owner is on file indicating that equipment is being properly maintained	Letters Updated (Y/N/NA):	YES	
All diesel heavy construction equipment shall not idle for more than 5 minutes, to the extent practical. Vehicles that need to idle as part of their normal operation (such as concrete trucks) are exempted from this requirement. Note equipment needed to idle longer than 5 min as part of normal operation in the notes section of this checklist.	Idling Limited:(Y/N)	YES	
A list of all other actions taken to control diesel construction related emissions	Other Reductions:	N/A	

AQCMP or designee name: Tommy Brister

Date: 4/14/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily

Going Requirements

Area Affected:

Requirement:

Implemented
(Y/N):

Notes:

Construction site entrance and Travel through	Post visible speed limit signs of a maximum of 10 MPH for unpaved	YES	Signs posted in various areas
Construction Equipment Vehicle tires	Inspected and washed as necessary to clean off dirt prior to leaving	NA	No Dirt traffic at current time
Construction entrance	Enter only through treated entrance roadways as noted on Site Map. Alternative route approved by CPM - If alternative route chosen indicated on Site Map and note rationale for change	YES	Gate #3 is the designated route of entry for project. Paved road
Unpaved roads and disturbed areas in project and laydown area	Water areas to limit visible dust. If watering is required note frequency and time in notes section of checklist	NA	No dirt traffic at current time
Construction areas adjacent to any paved roadways	Provided with sandbags or other measures in SWPPP to prevent runoff, note location of measures in Site Figure Map	YES	
Tire washing / cleaning station	Gravel ramps min 20 ft in length - identify location in Site Figure Map	YES	No truck traffic at current time
Unpaved Exits	At all exit locations: Gravel or treated to prevent track-out - identify	YES	Rumble plate put in place
Paved Areas	Swept at least twice daily (or less during periods of precipitation during active days of construction)	YES	Is being completed twice a day
Public Roadway existing construction site	500 feet of public roadway swept visually clean at least twice daily (or less during periods of precipitation) during active	YES	No dirt traffic at current time
Bulk transport vehicles with materials that have potential to cause visible emissions on public	Cover or wet and load so that the trucks have at least 2 feet of freeboard	NA	No truck traffic at current time
Storage areas inactive for more than 10 days	Covered or treated with dust suppressants, and vehicle access will be restricted.	N/A	
Construction Areas that may be disturbed and are generating fugitive dust	Install wind erosion control techniques (such as gravel, windbreaks, water, chemical dust suppressants, and/or vegetation) until soil is stabilized or permanently covered w/ vegetation.	NA	No truck traffic at current time
Disturbed areas Demolition Haul Trucks -	Re-Vegetated as soon as possible Travel limited to paved or	YES	No dirt traffic at the

Within the Encina Power Station
Property

graveled surfaces - Note Routes on Site Figure Map

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project,

1 The activity shall not restart until the AQCM or AQCM Delegate is satisfied that appropriate additional mitigation or other site conditions have changed so that visual dust plumes will not result upon restarting the activity that caused the shut-down. The owner/operator may appeal to the CPM any directive from the AQCM or AQCM Delegate to shut down an activity, provided that the shutdown shall go into effect within one hour of the original determination, unless overruled by the CPM before that time.

Date: 4/14/2021

Monitoring for Visible Dust Plumes with the potential to be transported off the projectsite: Definition of Areas Requirement

Specific Location / Area:

<i>Identify Area</i>	200 feet beyond the centerline of the construction of linear	
<i>Identify</i>	within 100 feet upwind of any regularly occupied structures	
<i>Identify distance /</i>	50 feet upwind of I-5	

Reduce visible dust plumes to comply with CEC COC AQ-SC4 (with the exception of visible emissions within 50 feet upwind of the I-5

freeway) Area Affected / Source:	NO Truck / Dirt traffic at current time	
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Date / Time Identified:

Mitigation Measure Implemented:

Time Implemented / Notes

Step 1: Within 15 minutes of making such a determination, require more intensive application of existing method - such as additional soil wetting		
Step 2: If Step 1 fails to result in adequate mitigation within 30 minutes of the original determination, apply additional measures such as application of soil stabilizers, visqueen, or a geotech fabric.		
Step 3: If Steps 1 and 2 fail to result in effective mitigation within 1 hour of the original determination, the AQCM or AQCM Delegate shall direct a temporary shutdown of the activity causing the emissions. ¹		
Step 4: Immediately cease the activities causing the visible dust plumes if any obscuration of visibility is occurring to drivers on I-5.		
Reduce visible dust plumes to comply with CEC COC AQ-SC4 within 50 feet upwind of the I-5 freeway		
Area Affected / Source:	No truck or Dirt traffic	Date / Time Identified:
Direct more intensive application of the existing mitigation methods immediately if the visible plumes are seen within 50 feet of I-5 but are not causing obscuration of visibility to drivers.	Mitigation Measure Implemented:	Time Implemented / Notes
Step 2: Direct implementation of additional methods for dust suppression and monitor the start-up and/or continuation of the dust causing activities to ensure that the additional mitigation is effective.		
Step 3: Direct a temporary shutdown of the activity causing the emissions if Step 2 specified above fails to result in effective mitigation. ²		

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: Tommy Brister

Date: 4/14/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily

On Going Diesel Requirements	Checklist Criteria:	Response:	Notes:
Update Equipment Inventory List	Equipment Updated (Y/N/NA):	YES	Newly arrived equipment is tracked
Confirm all equipment are ARB tagged on both sides and tags are Visible.	Tags Visible (Y/N):	YES	All equipment coming on site is being tagged
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	Tags are visible
Documentation of acceptable engine tier is on file.	Equipment Updated (Y/N/NA):	YES	
Letter from each equipment owner is on file indicating that equipment is being properly maintained	Letters Updated (Y/N/NA):	YES	
All diesel heavy construction equipment shall not idle for more than 5 minutes, to the extent practical. Vehicles that need to idle as part of their normal operation (such as concrete trucks) are exempted from this requirement. Note equipment needed to idle longer than 5 min as part of normal operation in the notes section of this checklist.	Idling Limited:(Y/N)	YES	
A list of all other actions taken to control diesel construction related emissions	Other Reductions:	N/A	

AQCMP or designee name: Tommy Brister

Date: 4/15/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily

Going Requirements

Area Affected:

Requirement:

Implemented
(Y/N):

Notes:

Construction site entrance and Travel through	Post visible speed limit signs of a maximum of 10 MPH for unpaved	YES	Signs posted is various areas
Construction Eq Vehicle tires	Inspected and washed as necessary to clean off dirt prior to leaving	NA	No Dirt traffic at current time
Construction entrance	Enter only through treated entrance roadways as noted on Site Map. Alternative route approved by CPM - If alternative route chosen indicated on Site Map and note rationale for change	YES	Gate #3 is the designated rout of entry for project. Paved road
Unpaved roads and disturbed areas in project and laydown area	Water areas to limit visible dust. If watering is required note frequency and time in notes section of checklist	NA	No dirt traffic at current time
Construction areas adjacent to any paved roadways	Provided with sandbags or other measures in SWPPP to prevent runoff, note location of measures in Site Figure Map	YES	
Tire washing / cleaning station	Gravel ramps min 20 ft in length - identify location in Site Figure Map	YES	No truck traffic at current time
Unpaved Exits	At all exit locations: Gravel or treated to prevent track-out - <u>identify</u>	YES	Rumble plate put in place
Paved Areas	Swept at least twice daily (or less during periods of precipitation during active days of construction)	YES	Is being completed twice a day
Public Roadway existing construction site	500 feet of public roadway swept visually clean at least twice daily (or less during periods of precipitation) during active	YES	No dirt traffic at current time
Bulk transport vehicles with materials that have potential to cause visible emissions on public	Cover or wet and load so that the trucks have at least 2 feet of freeboard	NA	No truck traffic at current time
Storage areas inactive for more than 10 days	Covered or treated with dust suppressants, and vehicle access will be restricted.	N/A	
Construction Areas that may be disturbed and are generating fugitive dust	Install wind erosions control techniques (such as gravel, windbreaks, water, chemical dust suppressants, and/or vegetation) until soil is stabilized or permanently covered w/ vegetation.	NA	No truck traffic at current time
Disturbed areas Demolition Haul Trucks -	Re-Vegetated as soon as possible Travel limited to paved or	YES	No dirt traffic at the

Within the Encina Power Station
Property

graveled surfaces - Note Routes on Site Figure Map

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project,

1 The activity shall not restart until the AQCM or AQCM Delegate is satisfied that appropriate additional mitigation or other site conditions have changed so that visual dust plumes will not result upon restarting the activity that caused the shut-down. The owner/operator may appeal to the CPM any directive from the AQCM or AQCM Delegate to shut down an activity, provided that the shutdown shall go into effect within one hour of the original determination, unless overruled by the CPM before that time.

Date: 4/15/2021

Monitoring for Visible Dust Plumes with the potential to be transported off the projectsite: Definition of Areas Requirement

Specific Location / Area:

<i>Identify Area</i>	200 feet beyond the centerline of the construction of linear	
<i>Identify</i>	within 100 feet upwind of any regularly occupied structures	
<i>Identify distance /</i>	50 feet upwind of I-5	

Reduce visible dust plumes to comply with CEC COC AQ-SC4 (with the exception of visible emissions within 50 feet upwind of the I-5

freeway) Area Affected / Source:	NO Truck / Dirt traffic at current time	
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Date / Time Identified:

Mitigation Measure Implemented:

Time Implemented / Notes

Step 1: Within 15 minutes of making such a determination, require more intensive application of existing method - such as additional soil wetting		
Step 2: If Step 1 fails to result in adequate mitigation within 30 minutes of the original determination, apply additional measures such as application of soil stabilizers, visqueen, or a geotech fabric.		
Step 3: If Steps 1 and 2 fail to result in effective mitigation within 1 hour of the original determination, the AQCM or AQCM Delegate shall direct a temporary shutdown of the activity causing the emissions. ¹		
Step 1: Immediately cease the activities causing the visible dust plumes to comply with CEC COC AQ-SC4 within 50 feet upwind of the I-5 freeway		
Area Affected / Source:	No truck or Dirt traffic	Date / Time Identified:
application of the existing mitigation methods immediately if the visible plumes are seen within 50 feet of I-5 but are not causing obscuration of visibility to drivers.	Mitigation Measure Implemented:	Time Implemented / Notes
Step 2: Direct implementation of additional methods for dust suppression and monitor the start-up and/or continuation of the dust causing activities to ensure that the additional mitigation is effective.		
Step 3: Direct a temporary shutdown of the activity causing the emissions if Step 2 specified above fails to result in effective mitigation. ²		

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: Tommy Brister

Date: 4/15/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily**On Going Diesel Requirements**

	Checklist Criteria:	Response:	Notes:
Update Equipment Inventory List	Equipment Updated (Y/N/NA):	YES	Newly arrived equipment is tracked
Confirm all equipment are ARB tagged on both sides and tags are Visible.	Tags Visible (Y/N):	YES	All equipment coming on site is being tagged
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	Tags are visible
Documentation of acceptable engine tier is on file.	Equipment Updated (Y/N/NA):	YES	
Letter from each equipment owner is on file indicating that equipment is being properly maintained	Letters Updated (Y/N/NA):	YES	
All diesel heavy construction equipment shall not idle for more than 5 minutes, to the extent practical. Vehicles that need to idle as part of their normal operation (such as concrete trucks) are exempted from this requirement. Note equipment needed to idle longer than 5 min as part of normal operation in the notes section of this checklist.	Idling Limited:(Y/N)	YES	
A list of all other actions taken to control diesel construction related emissions	Other Reductions:	N/A	

AQCMP or designee name: Tommy Brister

Date: 4/16/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily**Going Requirements****Area Affected:****Requirement:****Implemented
(Y/N):****Notes:**

Construction site entrance and Travel through	Post visible speed limit signs of a maximum of 10 MPH for unpaved	YES	Signs posted is various areas
Construction Eq Vehicle tires	Inspected and washed as necessary to clean off dirt prior to leaving	NA	No Dirt traffic at current time
Construction entrance	Enter only through treated entrance roadways as noted on Site Map. Alternative route approved by CPM - If alternative route chosen indicated on Site Map and note rationale for change	YES	Gate #3 is the designated rout of entry for project. Paved road
Unpaved roads and disturbed areas in project and laydown area	Water areas to limit visible dust. If watering is required note frequency and time in notes section of checklist	NA	No dirt traffic at current time
Construction areas adjacent to any paved roadways	Provided with sandbags or other measures in SWPPP to prevent runoff, note location of measures in Site Figure Map	YES	
Tire washing / cleaning station	Gravel ramps min 20 ft in length - identify location in Site Figure Map	YES	No truck traffic at current time
Unpaved Exits	At all exit locations: Gravel or treated to prevent track-out - <u>identify</u>	YES	Rumble plate put in place
Paved Areas	Swept at least twice daily (or less during periods of precipitation during active days of construction)	YES	Is being completed twice a day
Public Roadway existing construction site	500 feet of public roadway swept visually clean at least twice daily (or less during periods of precipitation) during active	YES	No dirt traffic at current time
Bulk transport vehicles with materials that have potential to cause visible emissions on public	Cover or wet and load so that the trucks have at least 2 feet of freeboard	NA	No truck traffic at current time
Storage areas inactive for more than 10 days	Covered or treated with dust suppressants, and vehicle access will be restricted.	N/A	
Construction Areas that may be disturbed and are generating fugitive dust	Install wind erosions control techniques (such as gravel, windbreaks, water, chemical dust suppressants, and/or vegetation) until soil is stabilized or permanently covered w/ vegetation.	NA	No truck traffic at current time
Disturbed areas Demolition Haul Trucks -	Re-Vegetated as soon as possible Travel limited to paved or	YES	No dirt traffic at the

Within the Encina Power Station
Property

graveled surfaces - Note Routes on Site Figure Map

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project,

1. The activity shall not restart until the AQCM or AQCM Delegate is satisfied that appropriate additional mitigation or other site conditions have changed so that visual dust plumes will not result upon restarting the activity that caused the shut-down. The owner/operator may appeal to the CPM any directive from the AQCM or AQCM Delegate to shut down an activity, provided that the shutdown shall go into effect within one hour of the original determination, unless overruled by the CPM before that time.

Date: 4/16/2021

Monitoring for Visible Dust Plumes with the potential to be transported off the projectsite: Definition of Areas Requirement

Specific Location / Area:

<i>Identify Area</i>	200 feet beyond the centerline of the construction of linear	
<i>Identify</i>	within 100 feet upwind of any regularly occupied structures	
<i>Identify distance /</i>	50 feet upwind of I-5	

Reduce visible dust plumes to comply with CEC COC AQ-SC4 (with the exception of visible emissions within 50 feet upwind of the I-5

freeway) Area Affected / Source:	NO Truck / Dirt traffic at current time	
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Date / Time Identified:

Mitigation Measure Implemented:

Time Implemented / Notes

Step 1: Within 15 minutes of making such a determination, require more intensive application of existing method - such as additional soil wetting		
Step 2: If Step 1 fails to result in adequate mitigation within 30 minutes of the original determination, apply additional measures such as application of soil stabilizers, visqueen, or a geotech fabric.		
Step 3: If Steps 1 and 2 fail to result in effective mitigation within 1 hour of the original determination, the AQCM or AQCM Delegate shall direct a temporary shutdown of the activity causing the emissions. ¹		
Step 1: Immediately cease the activities causing the visible dust plumes if any obscuration of visibility is occurring to drivers on I-5.		
Reduce visible dust plumes to comply with CEC COC AQ-SC4 within 50 feet upwind of the I-5 freeway		
Area Affected / Source:	No truck or Dirt traffic	Date / Time Identified:
application of the existing mitigation methods immediately if the visible plumes are seen within 50 feet of I-5 but are not causing obscuration of visibility to drivers.	Mitigation Measure Implemented:	Time Implemented / Notes
Step 2: Direct implementation of additional methods for dust suppression and monitor the start-up and/or continuation of the dust causing activities to ensure that the additional mitigation is effective.		
Step 3: Direct a temporary shutdown of the activity causing the emissions if Step 2 specified above fails to result in effective mitigation. ²		

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: *Tommy Brister*

Date: 4/16/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily**On Going Diesel Requirements**

	Checklist Criteria:	Response:	Notes:
Update Equipment Inventory List	Equipment Updated (Y/N/NA):	YES	Newly arrived equipment is tracked
Confirm all equipment are ARB tagged on both sides and tags are Visible.	Tags Visible (Y/N):	YES	All equipment coming on site is being tagged
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	Tags are visible
Documentation of acceptable engine tier is on file.	Equipment Updated (Y/N/NA):	YES	
Letter from each equipment owner is on file indicating that equipment is being properly maintained	Letters Updated (Y/N/NA):	YES	
All diesel heavy construction equipment shall not idle for more than 5 minutes, to the extent practical. Vehicles that need to idle as part of their normal operation (such as concrete trucks) are exempted from this requirement. Note equipment needed to idle longer than 5 min as part of normal operation in the notes section of this checklist.	Idling Limited:(Y/N)	YES	
A list of all other actions taken to control diesel construction related emissions	Other Reductions:	N/A	

AQCMP or designee name: Tommy Brister

Date: 4/17/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily**Going Requirements****Area Affected:****Requirement:****Implemented
(Y/N):****Notes:**

Construction site entrance and Travel through	Post visible speed limit signs of a maximum of 10 MPH for unpaved	YES	Signs posted is various areas
Construction Eq Vehicle tires	Inspected and washed as necessary to clean off dirt prior to leaving	NA	No Dirt traffic at current time
Construction entrance	Enter only through treated entrance roadways as noted on Site Map. Alternative route approved by CPM - If alternative route chosen indicated on Site Map and note rationale for change	YES	Gate #3 is the designated rout of entry for project. Paved road
Unpaved roads and disturbed areas in project and laydown area	Water areas to limit visible dust. If watering is required note frequency and time in notes section of checklist	NA	No dirt traffic at current time
Construction areas adjacent to any paved roadways	Provided with sandbags or other measures in SWPPP to prevent runoff, note location of measures in Site Figure Map	YES	
Tire washing / cleaning station	Gravel ramps min 20 ft in length - identify location in Site Figure Map	YES	No truck traffic at current time
Unpaved Exits	At all exit locations: Gravel or treated to prevent track-out - <u>identify</u>	YES	Rumble plate put in place
Paved Areas	Swept at least twice daily (or less during periods of precipitation during active days of construction)	YES	Is being completed twice a day
Public Roadway existing construction site	500 feet of public roadway swept visually clean at least twice daily (or less during periods of precipitation) during active	YES	No dirt traffic at current time
Bulk transport vehicles with materials that have potential to cause visible emissions on public	Cover or wet and load so that the trucks have at least 2 feet of freeboard	NA	No truck traffic at current time
Storage areas inactive for more than 10 days	Covered or treated with dust suppressants, and vehicle access will be restricted.	N/A	
Construction Areas that may be disturbed and are generating fugitive dust	Install wind erosions control techniques (such as gravel, windbreaks, water, chemical dust suppressants, and/or vegetation) until soil is stabilized or permanently covered w/ vegetation.	NA	No truck traffic at current time
Disturbed areas Demolition Haul Trucks -	Re-Vegetated as soon as possible Travel limited to paved or	YES	No dirt traffic at the

Within the Encina Power Station
Property

graveled surfaces - Note Routes on Site Figure Map

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project,

1. The activity shall not restart until the AQCMM or AQCMM Delegate is satisfied that appropriate additional mitigation or other site conditions have changed so that visual dust plumes will not result upon restarting the activity that caused the shut-down. The owner/operator may appeal to the CPM any directive from the AQCMM or AQCMM Delegate to shut down an activity, provided that the shutdown shall go into effect within one hour of the original determination, unless overruled by the CPM before that time.

Date: 4/17/2021

Monitoring for Visible Dust Plumes with the potential to be transported off the projectsite: Definition of Areas Requirement

Specific Location / Area:

<i>Identify Area</i>	200 feet beyond the centerline of the construction of linear	
<i>Identify</i>	within 100 feet upwind of any regularly occupied structures	
<i>Identify distance /</i>	50 feet upwind of I-5	

Reduce visible dust plumes to comply with CEC COC AQ-SC4 (with the exception of visible emissions within 50 feet upwind of the I-5

freeway) Area Affected / Source:	NO Truck / Dirt traffic at current time	
---	--	--

Date / Time Identified:

Mitigation Measure Implemented:

Time Implemented / Notes

Step 1: Within 15 minutes of making such a determination, require more intensive application of existing method - such as additional soil wetting		
Step 2: If Step 1 fails to result in adequate mitigation within 30 minutes of the original determination, apply additional measures such as application of soil stabilizers, visqueen, or a geotech fabric.		
Step 3: If Steps 1 and 2 fail to result in effective mitigation within 1 hour of the original determination, the AQCMM or AQCMM Delegate shall direct a temporary shutdown of the activity causing the emissions. ¹		
Step 4: Immediately cease the activities causing the visible dust plumes if any obscuration of visibility is occurring to drivers on I-5.		
Reduce visible dust plumes to comply with CEC COC AQ-SC4 within 50 feet upwind of the I-5 freeway		
Area Affected / Source:	No truck or Dirt traffic	Date / Time Identified:
application of the existing mitigation methods immediately if the visible plumes are seen within 50 feet of I-5 but are not causing obscuration of visibility to drivers.	Mitigation Measure Implemented:	Time Implemented / Notes
Step 2: Direct implementation of additional methods for dust suppression and monitor the start-up and/or continuation of the dust causing activities to ensure that the additional mitigation is effective.		
Step 3: Direct a temporary shutdown of the activity causing the emissions if Step 2 specified above fails to result in effective mitigation. ²		

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: *Tommy Brister*

Date: 4/17/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily

On Going Diesel Requirements	Checklist Criteria:	Response:	Notes:
Update Equipment Inventory List	Equipment Updated (Y/N/NA):	YES	Newly arrived equipment is tracked
Confirm all equipment are ARB tagged on both sides and tags are Visible.	Tags Visible (Y/N):	YES	All equipment coming on site is being tagged
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	Tags are visible
Documentation of acceptable engine tier is on file.	Equipment Updated (Y/N/NA):	YES	
Letter from each equipment owner is on file indicating that equipment is being properly maintained	Letters Updated (Y/N/NA):	YES	
All diesel heavy construction equipment shall not idle for more than 5 minutes, to the extent practical. Vehicles that need to idle as part of their normal operation (such as concrete trucks) are exempted from this requirement. Note equipment needed to idle longer than 5 min as part of normal operation in the notes section of this checklist.	Idling Limited:(Y/N)	YES	
A list of all other actions taken to control diesel construction related emissions	Other Reductions:	N/A	

AQCMP or designee name: Tommy Brister

Date: 4/19/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily**Going Requirements****Area Affected:****Requirement:****Implemented
(Y/N):****Notes:**

Construction site entrance and Travel through	Post visible speed limit signs of a maximum of 10 MPH for unpaved	YES	Signs posted is various areas
Construction Eq Vehicle tires	Inspected and washed as necessary to clean off dirt prior to leaving	NA	No Dirt traffic at current time
Construction entrance	Enter only through treated entrance roadways as noted on Site Map. Alternative route approved by CPM - If alternative route chosen indicated on Site Map and note rationale for change	YES	Gate #3 is the designated rout of entry for project. Paved road
Unpaved roads and disturbed areas in project and laydown area	Water areas to limit visible dust. If watering is required note frequency and time in notes section of checklist	NA	No dirt traffic at current time
Construction areas adjacent to any paved roadways	Provided with sandbags or other measures in SWPPP to prevent runoff, note location of measures in Site Figure Map	YES	
Tire washing / cleaning station	Gravel ramps min 20 ft in length - identify location in Site Figure Map	YES	No truck traffic at current time
Unpaved Exits	At all exit locations: Gravel or treated to prevent track-out - <u>identify</u>	YES	Rumble plate put in place
Paved Areas	Swept at least twice daily (or less during periods of precipitation during active days of construction)	YES	Is being completed twice a day
Public Roadway existing construction site	500 feet of public roadway swept visually clean at least twice daily (or less during periods of precipitation) during active	YES	No dirt traffic at current time
Bulk transport vehicles with materials that have potential to cause visible emissions on public	Cover or wet and load so that the trucks have at least 2 feet of freeboard	NA	No truck traffic at current time
Storage areas inactive for more than 10 days	Covered or treated with dust suppressants, and vehicle access will be restricted.	N/A	
Construction Areas that may be disturbed and are generating fugitive dust	Install wind erosions control techniques (such as gravel, windbreaks, water, chemical dust suppressants, and/or vegetation) until soil is stabilized or permanently covered w/ vegetation.	NA	No truck traffic at current time
Disturbed areas Demolition Haul Trucks -	Re-Vegetated as soon as possible Travel limited to paved or	YES	No dirt traffic at the

Within the Encina Power Station
Property

graveled surfaces - Note Routes on Site Figure Map

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project,

1 The activity shall not restart until the AQCMM or AQCMM Delegate is satisfied that appropriate additional mitigation or other site conditions have changed so that visual dust plumes will not result upon restarting the activity that caused the shut-down. The owner/operator may appeal to the CPM any directive from the AQCMM or AQCMM Delegate to shut down an activity, provided that the shutdown shall go into effect within one hour of the original determination, unless overruled by the CPM before that time.

Date: 4/19/2021

Monitoring for Visible Dust Plumes with the potential to be transported off the projectsite: Definition of Areas Requirement

Specific Location / Area:

<i>Identify Area</i>	200 feet beyond the centerline of the construction of linear	
<i>Identify</i>	within 100 feet upwind of any regularly occupied structures	
<i>Identify distance /</i>	50 feet upwind of I-5	

Reduce visible dust plumes to comply with CEC COC AQ-SC4 (with the exception of visible emissions within 50 feet upwind of the I-5

freeway) Area Affected / Source:	NO Truck / Dirt traffic at current time	
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Date / Time Identified:

Mitigation Measure Implemented:

Time Implemented / Notes

Step 1: Within 15 minutes of making such a determination, require more intensive application of existing method - such as additional soil wetting		
Step 2: If Step 1 fails to result in adequate mitigation within 30 minutes of the original determination, apply additional measures such as application of soil stabilizers, visqueen, or a geotech fabric.		
Step 3: If Steps 1 and 2 fail to result in effective mitigation within 1 hour of the original determination, the AQCMM or AQCMM Delegate shall direct a temporary shutdown of the activity causing the emissions. ¹		
Step 1: Immediately cease the activities causing the visible dust plumes if any obscuration of visibility is observed.		
Reduce visible dust plumes to comply with CEC COC AQ-SC4 within 50 feet upwind of the I-5 freeway		
Area Affected / Source: Direct more intensive	No truck or Dirt traffic	Date / Time Identified:
application of the existing mitigation methods immediately if the visible plumes are seen within 50 feet of I-5 but are not causing obscuration of visibility to drivers.	Mitigation Measure Implemented:	Time Implemented / Notes
Step 2: Direct implementation of additional methods for dust suppression and monitor the start-up and/or continuation of the dust causing activities to ensure that the additional mitigation is effective.		
Step 3: Direct a temporary shutdown of the activity causing the emissions if Step 2 specified above fails to result in effective mitigation. ²		

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: Tommy Brister

Date: 4/19/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily

On Going Diesel Requirements	Checklist Criteria:	Response:	Notes:
Update Equipment Inventory List	Equipment Updated (Y/N/NA):	YES	Newly arrived equipment is tracked
Confirm all equipment are ARB tagged on both sides and tags are Visible.	Tags Visible (Y/N):	YES	All equipment coming on site is being tagged
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	Tags are visible
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A list of all other actions taken to control diesel construction related emissions	Other Reductions:	N/A	

AQCMP or designee name: Tommy Brister

Date: 4/20/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily**Going Requirements****Area Affected:****Requirement:**

		Implemented (Y/N):	Notes:
Construction site entrance and Travel through	Post visible speed limit signs of a maximum of 10 MPH for unpaved	YES	Signs posted is various areas
Construction Eq Vehicle tires	Inspected and washed as necessary to clean off dirt prior to leaving	NA	No Dirt traffic at current time
Construction entrance	Enter only through treated entrance roadways as noted on Site Map. Alternative route approved by CPM - If alternative route chosen indicated on Site Map and note rationale for change	YES	Gate #3 is the designated rout of entry for project. Paved road
Unpaved roads and disturbed areas in project and laydown area	Water areas to limit visible dust. If watering is required note frequency and time in notes section of checklist	NA	No dirt traffic at current time
Construction areas adjacent to any paved roadways	Provided with sandbags or other measures in SWPPP to prevent runoff, note location of measures in Site Figure Map	YES	
Tire washing / cleaning station	Gravel ramps min 20 ft in length - identify location in Site Figure Map	YES	No truck traffic at current time
Unpaved Exits	At all exit locations: Gravel or treated to prevent track-out - <u>identify</u>	YES	Rumble plate put in place
Paved Areas	Swept at least twice daily (or less during periods of precipitation during active days of construction)	YES	Is being completed twice a day
Public Roadway existing construction site	500 feet of public roadway swept visually clean at least twice daily (or less during periods of precipitation) during active	YES	No dirt traffic at current time
Bulk transport vehicles with materials that have potential to cause visible emissions on public	Cover or wet and load so that the trucks have at least 2 feet of freeboard	NA	No truck traffic at current time
Storage areas inactive for more than 10 days	Covered or treated with dust suppressants, and vehicle access will be restricted.	N/A	
Construction Areas that may be disturbed and are generating fugitive dust	Install wind erosions control techniques (such as gravel, windbreaks, water, chemical dust suppressants, and/or vegetation) until soil is stabilized or permanently covered w/ vegetation.	NA	No truck traffic at current time
Disturbed areas Demolition Haul Trucks -	Re-Vegetated as soon as possible Travel limited to paved or	YES	No dirt traffic at the

Within the Encina Power Station Property

graveled surfaces - Note Routes on Site Figure Map

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project,

1 The activity shall not restart until the AQCM or AQCM Delegate is satisfied that appropriate additional mitigation or other site conditions have changed so that visual dust plumes will not result upon restarting the activity that caused the shut-down. The owner/operator may appeal to the CPM any directive from the AQCM or AQCM Delegate to shut down an activity, provided that the shutdown shall go into effect within one hour of the original determination, unless overruled by the CPM before that time.

Date: 4/20/2021

Monitoring for Visible Dust Plumes with the potential to be transported off the projectsite: Definition of Areas Requirement

Specific Location / Area:

<i>Identify Area</i>	200 feet beyond the centerline of the construction of linear	
<i>Identify</i>	within 100 feet upwind of any regularly occupied structures	
<i>Identify distance /</i>	50 feet upwind of I-5	

Reduce visible dust plumes to comply with CEC COC AQ-SC4 (with the exception of visible emissions within 50 feet upwind of the I-5

freeway) Area Affected / Source:	NO Truck / Dirt traffic at current time	
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Date / Time Identified:

Mitigation Measure Implemented:

Time Implemented / Notes

Step 1: Within 15 minutes of making such a determination, require more intensive application of existing method - such as additional soil wetting		
Step 2: If Step 1 fails to result in adequate mitigation within 30 minutes of the original determination, apply additional measures such as application of soil stabilizers, visqueen, or a geotech fabric.		
Step 3: If Steps 1 and 2 fail to result in effective mitigation within 1 hour of the original determination, the AQCM or AQCM Delegate shall direct a temporary shutdown of the activity causing the emissions. ¹		
Step 1: Immediately cease the activities causing the visible dust plumes if any obscuration of visibility is occurring to drivers.		
Reduce visible dust plumes to comply with CEC COC AQ-SC4 within 50 feet upwind of the I-5 freeway		
Area Affected / Source: Direct more intensive application of the existing mitigation methods immediately if the visible plumes are seen within 50 feet of I-5 but are not causing obscuration of visibility to drivers.	No truck or Dirt traffic	Date / Time Identified:
Step 2: Direct implementation of additional methods for dust suppression and monitor the start-up and/or continuation of the dust causing activities to ensure that the additional mitigation is effective.	Mitigation Measure Implemented:	Time Implemented / Notes
Step 3: Direct a temporary shutdown of the activity causing the emissions if Step 2 specified above fails to result in effective mitigation. ²		

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: *Tommy Brister*

Date: 4/20/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily

On Going Diesel Requirements	Checklist Criteria:	Response:	Notes:
Update Equipment Inventory List	Equipment Updated (Y/N/NA):	YES	Newly arrived equipment is tracked
Confirm all equipment are ARB tagged on both sides and tags are Visible.	Tags Visible (Y/N):	YES	All equipment coming on site is being tagged
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	Tags are visible
Documentation of acceptable engine tier is on file.	Equipment Updated (Y/N/NA):	YES	
Letter from each equipment owner is one file indicating that equipment is being properly maintained	Letters Updated (Y/N/NA):	YES	
All diesel heavy construction equipment shall not idle for more than 5 minutes, to the extent practical. Vehicles that need to idle as part of their normal operation (such as concrete trucks) are exempted from this requirement. Note equipment needed to idle longer than 5 min as part of normal operation in the notes section of this checklist.	Idling Limited:(Y/N)	YES	
A list of all other actions taken to control diesel construction related emissions	Other Reductions:	N/A	

AQCMP or designee name: Tommy Brister

Date: 4/21/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily**Going Requirements****Area Affected:****Requirement:**

		Implemented (Y/N):	Notes:
Construction site entrance and Travel through	Post visible speed limit signs of a maximum of 10 MPH for unpaved	YES	Signs posted is various areas
Construction Eq Vehicle tires	Inspected and washed as necessary to clean off dirt prior to leaving	NA	No Dirt traffic at current time
Construction entrance	Enter only through treated entrance roadways as noted on Site Map. Alternative route approved by CPM - If alternative route chosen indicated on Site Map and note rationale for change	YES	Gate #3 is the designated rout of entry for project. Paved road
Unpaved roads and disturbed areas in project and laydown area	Water areas to limit visible dust. If watering is required note frequency and time in notes section of checklist	NA	No dirt traffic at current time
Construction areas adjacent to any paved roadways	Provided with sandbags or other measures in SWPPP to prevent runoff, note location of measures in Site Figure Map	YES	
Tire washing / cleaning station	Gravel ramps min 20 ft in length - identify location in Site Figure Map	YES	No truck traffic at current time
Unpaved Exits	At all exit locations: Gravel or treated to prevent track-out - <u>identify</u>	YES	Rumble plate put in place
Paved Areas	Swept at least twice daily (or less during periods of precipitation during active days of construction)	YES	Is being completed twice a day
Public Roadway existing construction site	500 feet of public roadway swept visually clean at least twice daily (or less during periods of precipitation) during active	YES	No dirt traffic at current time
Bulk transport vehicles with materials that have potential to cause visible emissions on public	Cover or wet and load so that the trucks have at least 2 feet of freeboard	NA	No truck traffic at current time
Storage areas inactive for more than 10 days	Covered or treated with dust suppressants, and vehicle access will be restricted.	N/A	
Construction Areas that may be disturbed and are generating fugitive dust	Install wind erosions control techniques (such as gravel, windbreaks, water, chemical dust suppressants, and/or vegetation) until soil is stabilized or permanently covered w/ vegetation.	NA	No truck traffic at current time
Disturbed areas Demolition Haul Trucks -	Re-Vegetated as soon as possible Travel limited to paved or	YES	No dirt traffic at the

Within the Encina Power Station
Property

graveled surfaces - Note Routes on Site Figure Map

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project,

1. The activity shall not restart until the AQCM or AQCM Delegate is satisfied that appropriate additional mitigation or other site conditions have changed so that visual dust plumes will not result upon restarting the activity that caused the shut-down. The owner/operator may appeal to the CPM any directive from the AQCM or AQCM Delegate to shut down an activity, provided that the shutdown shall go into effect within one hour of the original determination, unless overruled by the CPM before that time.

Date: 4/21/2021

Monitoring for Visible Dust Plumes with the potential to be transported off the projectsite: Definition of Areas Requirement

Specific Location / Area:

Identify Area	200 feet beyond the centerline of the construction of linear	
Identify	within 100 feet upwind of any regularly occupied structures	
Identify distance /	50 feet upwind of I-5	

Reduce visible dust plumes to comply with CEC COC AQ-SC4 (with the exception of visible emissions within 50 feet upwind of the I-5

freeway) Area Affected / Source:	NO Truck / Dirt traffic at current time	
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Date / Time Identified:

Mitigation Measure Implemented:

Time Implemented / Notes

Step 1: Within 15 minutes of making such a determination, require more intensive application of existing method - such as additional soil wetting		
Step 2: If Step 1 fails to result in adequate mitigation within 30 minutes of the original determination, apply additional measures such as application of soil stabilizers, visqueen, or a geotech fabric.		
Step 3: If Steps 1 and 2 fail to result in effective mitigation within 1 hour of the original determination, the AQCM or AQCM Delegate shall direct a temporary shutdown of the activity causing the emissions. ¹		
Step 1: Immediately cease the activities causing the visible dust plumes if any obscuration of visibility is occurring to drivers on I-5.		
Reduce visible dust plumes to comply with CEC COC AQ-SC4 within 50 feet upwind of the I-5 freeway		
Area Affected / Source:	No truck or Dirt traffic	Date / Time Identified:
application of the existing mitigation methods immediately if the visible plumes are seen within 50 feet of I-5 but are not causing obscuration of visibility to drivers.	Mitigation Measure Implemented:	Time Implemented / Notes
Step 2: Direct implementation of additional methods for dust suppression and monitor the start-up and/or continuation of the dust causing activities to ensure that the additional mitigation is effective.		
Step 3: Direct a temporary shutdown of the activity causing the emissions if Step 2 specified above fails to result in effective mitigation. ²		

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: Tommy Brister

Date: 4/21/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily

On Going Diesel Requirements	Checklist Criteria:	Response:	Notes:
Update Equipment Inventory List	Equipment Updated (Y/N/NA):	YES	Newly arrived equipment is tracked
Confirm all equipment are ARB tagged on both sides and tags are Visible.	Tags Visible (Y/N):	YES	All equipment coming on site is being tagged
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	Tags are visible
Documentation of acceptable engine tier is on file.	Equipment Updated (Y/N/NA):	YES	
Letter from each equipment owner is on file indicating that equipment is being properly maintained	Letters Updated (Y/N/NA):	YES	
All diesel heavy construction equipment shall not idle for more than 5 minutes, to the extent practical. Vehicles that need to idle as part of their normal operation (such as concrete trucks) are exempted from this requirement. Note equipment needed to idle longer than 5 min as part of normal operation in the notes section of this checklist.	Idling Limited:(Y/N)	YES	
A list of all other actions taken to control diesel construction related emissions	Other Reductions:	N/A	

AQCMP or designee name: Tommy Brister

Date: 4/22/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily**Going Requirements****Area Affected:****Requirement:****Implemented
(Y/N):****Notes:**

Construction site entrance and Travel through	Post visible speed limit signs of a maximum of 10 MPH for unpaved	YES	Signs posted in various areas
Construction Eq Vehicle tires	Inspected and washed as necessary to clean off dirt prior to leaving	NA	No Dirt traffic at current time
Construction entrance	Enter only through treated entrance roadways as noted on Site Map. Alternative route approved by CPM - If alternative route chosen indicated on Site Map and note rationale for change	YES	Gate #3 is the designated route of entry for project. Paved road
Unpaved roads and disturbed areas in project and laydown area	Water areas to limit visible dust. If watering is required note frequency and time in notes section of checklist	NA	No dirt traffic at current time
Construction areas adjacent to any paved roadways	Provided with sandbags or other measures in SWPPP to prevent runoff, note location of measures in Site Figure Map	YES	
Tire washing / cleaning station	Gravel ramps min 20 ft in length - identify location in Site Figure Map	YES	No truck traffic at current time
Unpaved Exits	At all exit locations: Gravel or treated to prevent track-out - identify	YES	Rumble plate put in place
Paved Areas	Swept at least twice daily (or less during periods of precipitation during active days of construction)	YES	Is being completed twice a day
Public Roadway existing construction site	500 feet of public roadway swept visually clean at least twice daily (or less during periods of precipitation) during active	YES	No dirt traffic at current time
Bulk transport vehicles with materials that have potential to cause visible emissions on public	Cover or wet and load so that the trucks have at least 2 feet of freeboard	NA	No truck traffic at current time
Storage areas inactive for more than 10 days	Covered or treated with dust suppressants, and vehicle access will be restricted.	N/A	
Construction Areas that may be disturbed and are generating fugitive dust	Install wind erosion control techniques (such as gravel, windbreaks, water, chemical dust suppressants, and/or vegetation) until soil is stabilized or permanently covered w/ vegetation.	NA	No truck traffic at current time
Disturbed areas Demolition Haul Trucks -	Re-Vegetated as soon as possible Travel limited to paved or	YES	No dirt traffic at the

Within the Encina Power Station
Property

graveled surfaces - Note Routes on Site Figure Map

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project,

1. The activity shall not restart until the AQCM or AQCM Delegate is satisfied that appropriate additional mitigation or other site conditions have changed so that visual dust plumes will not result upon restarting the activity that caused the shut-down. The owner/operator may appeal to the CPM any directive from the AQCM or AQCM Delegate to shut down an activity, provided that the shutdown shall go into effect within one hour of the original determination, unless overruled by the CPM before that time.

Date: 4/22/2021

Monitoring for Visible Dust Plumes with the potential to be transported off the projectsite: Definition of Areas Requirement

Specific Location / Area:

<i>Identify Area</i>	200 feet beyond the centerline of the construction of linear	
<i>Identify</i>	within 100 feet upwind of any regularly occupied structures	
<i>Identify distance /</i>	50 feet upwind of I-5	

Reduce visible dust plumes to comply with CEC COC AQ-SC4 (with the exception of visible emissions within 50 feet upwind of the I-5

freeway) Area Affected / Source:	NO Truck / Dirt traffic at current time	
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Date / Time Identified:

Mitigation Measure Implemented:

Time Implemented / Notes

Step 1: Within 15 minutes of making such a determination, require more intensive application of existing method - such as additional soil wetting		
Step 2: If Step 1 fails to result in adequate mitigation within 30 minutes of the original determination, apply additional measures such as application of soil stabilizers, visqueen, or a geotech fabric.		
Step 3: If Steps 1 and 2 fail to result in effective mitigation within 1 hour of the original determination, the AQCM or AQCM Delegate shall direct a temporary shutdown of the activity causing the emissions. ¹		
Step 4: Immediately cease the activities causing the visible dust plumes if any obscuration of visibility is occurring to driver.		
Reduce visible dust plumes to comply with CEC COC AQ-SC4 within 50 feet upwind of the I-5 freeway		
Area Affected / Source:	No truck or Dirt traffic	Date / Time Identified:
application of the existing mitigation methods immediately if the visible plumes are seen within 50 feet of I-5 but are not causing obscuration of visibility to drivers.	Mitigation Measure Implemented:	Time Implemented / Notes
Step 2: Direct implementation of additional methods for dust suppression and monitor the start-up and/or continuation of the dust causing activities to ensure that the additional mitigation is effective.		
Step 3: Direct a temporary shutdown of the activity causing the emissions if Step 2 specified above fails to result in effective mitigation. ²		

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: Tommy Brister

Date: 4/22/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily

On Going Diesel Requirements	Checklist Criteria:	Response:	Notes:
Update Equipment Inventory List	Equipment Updated (Y/N/NA):	YES	Newly arrived equipment is tracked
Confirm all equipment are ARB tagged on both sides and tags are Visible.	Tags Visible (Y/N):	YES	All equipment coming on site is being tagged
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	Tags are visible
Documentation of acceptable engine tier is on file.	Equipment Updated (Y/N/NA):	YES	
Letter from each equipment owner is one file indicating that equipment is being properly maintained	Letters Updated (Y/N/NA):	YES	
All diesel heavy construction equipment shall not idle for more than 5 minutes, to the extent practical. Vehicles that need to idle as part of their normal operation (such as concrete trucks) are exempted from this requirement. Note equipment needed to idle longer than 5 min as part of normal operation in the notes section of this checklist.	Idling Limited:(Y/N)	YES	
A list of all other actions taken to control diesel construction related emissions	Other Reductions:	N/A	

AQCMP or designee name: Tommy Brister

Date: 4/23/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily**Going Requirements****Area Affected:****Requirement:****Implemented
(Y/N):****Notes:**

Construction site entrance and Travel through	Post visible speed limit signs of a maximum of 10 MPH for unpaved	YES	Signs posted in various areas
Construction Eq Vehicle tires	Inspected and washed as necessary to clean off dirt prior to leaving	NA	No Dirt traffic at current time
Construction entrance	Enter only through treated entrance roadways as noted on Site Map. Alternative route approved by CPM - If alternative route chosen indicated on Site Map and note rationale for change	YES	Gate #3 is the designated route of entry for project. Paved road
Unpaved roads and disturbed areas in project and laydown area	Water areas to limit visible dust. If watering is required note frequency and time in notes section of checklist	NA	No dirt traffic at current time
Construction areas adjacent to any paved roadways	Provided with sandbags or other measures in SWPPP to prevent runoff, note location of measures in Site Figure Map	YES	
Tire washing / cleaning station	Gravel ramps min 20 ft in length - identify location in Site Figure Map	YES	No truck traffic at current time
Unpaved Exits	At all exit locations: Gravel or treated to prevent track-out - <u>identify</u>	YES	Rumble plate put in place
Paved Areas	Swept at least twice daily (or less during periods of precipitation during active days of construction)	YES	Is being completed twice a day
Public Roadway existing construction site	500 feet of public roadway swept visually clean at least twice daily (or less during periods of precipitation) during active	YES	No dirt traffic at current time
Bulk transport vehicles with materials that have potential to cause visible emissions on public	Cover or wet and load so that the trucks have at least 2 feet of freeboard	NA	No truck traffic at current time
Storage areas inactive for more than 10 days	Covered or treated with dust suppressants, and vehicle access will be restricted.	N/A	
Construction Areas that may be disturbed and are generating fugitive dust	Install wind erosion control techniques (such as gravel, windbreaks, water, chemical dust suppressants, and/or vegetation) until soil is stabilized or permanently covered w/ vegetation.	NA	No truck traffic at current time
Disturbed areas Demolition Haul Trucks -	Re-Vegetated as soon as possible Travel limited to paved or	YES	No dirt traffic at the

Within the Encina Power Station
Property

graveled surfaces - Note Routes on Site Figure Map

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project,

1. The activity shall not restart until the AQCM or AQCM Delegate is satisfied that appropriate additional mitigation or other site conditions have changed so that visible dust plumes will not result upon restarting the activity that caused the shut-down. The owner/operator may appeal to the CPM any directive from the AQCM or AQCM Delegate to shut down an activity, provided that the shutdown shall go into effect within one hour of the original determination, unless overruled by the CPM before that time.

Date: 4/23/2021

Monitoring for Visible Dust Plumes with the potential to be transported off the projectsite: Definition of Areas Requirement

Specific Location / Area:

<i>Identify Area</i>	200 feet beyond the centerline of the construction of linear	
<i>Identify</i>	within 100 feet upwind of any regularly occupied structures	
<i>Identify distance /</i>	50 feet upwind of I-5	

Reduce visible dust plumes to comply with CEC COC AQ-SC4 (with the exception of visible emissions within 50 feet upwind of the I-5

freeway) Area Affected / Source:	NO Truck / Dirt traffic at current time	
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Date / Time Identified:

**Mitigation Measure
Implemented:**

Time Implemented / Notes

Step 1: Within 15 minutes of making such a determination, require more intensive application of existing method - such as additional soil wetting		
Step 2: If Step 1 fails to result in adequate mitigation within 30 minutes of the original determination, apply additional measures such as application of soil stabilizers, visqueen, or a geotech fabric.		
Step 3: If Steps 1 and 2 fail to result in effective mitigation within 1 hour of the original determination, the AQCM or AQCM Delegate shall direct a temporary shutdown of the activity causing the emissions. ¹		
Step 1: Immediately cease the activities causing the visible dust plumes if any obscuration of visibility is occurring to drivers on I-5.		
Reduce visible dust plumes to comply with CEC COC AQ-SC4 within 50 feet upwind of the I-5 freeway		
Area Affected / Source:	No truck or Dirt traffic	Date / Time Identified:
application of the existing mitigation methods immediately if the visible plumes are seen within 50 feet of I-5 but are not causing obscuration of visibility to drivers.	Mitigation Measure Implemented:	Time Implemented / Notes
Step 2: Direct implementation of additional methods for dust suppression and monitor the start-up and/or continuation of the dust causing activities to ensure that the additional mitigation is effective.		
Step 3: Direct a temporary shutdown of the activity causing the emissions if Step 2 specified above fails to result in effective mitigation. ²		

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: *Tommy Brister*

Date: 4/23/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily

On Going Diesel Requirements	Checklist Criteria:	Response:	Notes:
Update Equipment Inventory List	Equipment Updated (Y/N/NA):	YES	Newly arrived equipment is tracked
Confirm all equipment are ARB tagged on both sides and tags are Visible.	Tags Visible (Y/N):	YES	All equipment coming on site is being tagged
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	Tags are visible
Documentation of acceptable engine tier is on file.	Equipment Updated (Y/N/NA):	YES	
Letter from each equipment owner is on file indicating that equipment is being properly maintained	Letters Updated (Y/N/NA):	YES	
All diesel heavy construction equipment shall not idle for more than 5 minutes, to the extent practical. Vehicles that need to idle as part of their normal operation (such as concrete trucks) are exempted from this requirement. Note equipment needed to idle longer than 5 min as part of normal operation in the notes section of this checklist.	Idling Limited:(Y/N)	YES	
A list of all other actions taken to control diesel construction related emissions	Other Reductions:	N/A	

AQCMP or designee name: Tommy Brister

Date: 4/26/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily**Going Requirements****Area Affected:****Requirement:****Implemented
(Y/N):****Notes:**

Construction site entrance and Travel through	Post visible speed limit signs of a maximum of 10 MPH for unpaved	YES	Signs posted is various areas
Construction Eq Vehicle tires	Inspected and washed as necessary to clean off dirt prior to leaving	NA	No Dirt traffic at current time
Construction entrance	Enter only through treated entrance roadways as noted on Site Map. Alternative route approved by CPM - If alternative route chosen indicated on Site Map and note rationale for change	YES	Gate #3 is the designated rout of entry for project. Paved road
Unpaved roads and disturbed areas in project and laydown area	Water areas to limit visible dust. If watering is required note frequency and time in notes section of checklist	NA	No dirt traffic at current time
Construction areas adjacent to any paved roadways	Provided with sandbags or other measures in SWPPP to prevent runoff, note location of measures in Site Figure Map	YES	
Tire washing / cleaning station	Gravel ramps min 20 ft in length - identify location in Site Figure Map	YES	No truck traffic at current time
Unpaved Exits	At all exit locations: Gravel or treated to prevent track-out - <u>identify</u>	YES	Rumble plate put in place
Paved Areas	Swept at least twice daily (or less during periods of precipitation during active days of construction)	YES	Is being completed twice a day
Public Roadway existing construction site	500 feet of public roadway swept visually clean at least twice daily (or less during periods of precipitation) during active	YES	No dirt traffic at current time
Bulk transport vehicles with materials that have potential to cause visible emissions on public	Cover or wet and load so that the trucks have at least 2 feet of freeboard	NA	No truck traffic at current time
Storage areas inactive for more than 10 days	Covered or treated with dust suppressants, and vehicle access will be restricted.	N/A	
Construction Areas that may be disturbed and are generating fugitive dust	Install wind erosions control techniques (such as gravel, windbreaks, water, chemical dust suppressants, and/or vegetation) until soil is stabilized or permanently covered w/ vegetation.	NA	No truck traffic at current time
Disturbed areas Demolition Haul Trucks -	Re-Vegetated as soon as possible Travel limited to paved or	YES	No dirt traffic at the

Within the Encina Power Station
Property

graveled surfaces - Note Routes on Site Figure Map

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project,

1. The activity shall not restart until the AQCM or AQCM Delegate is satisfied that appropriate additional mitigation or other site conditions have changed so that visual dust plumes will not result upon restarting the activity that caused the shut-down. The owner/operator may appeal to the CPM any directive from the AQCM or AQCM Delegate to shut down an activity, provided that the shutdown shall go into effect within one hour of the original determination, unless overruled by the CPM before that time.

Date: 4/26/2021

Monitoring for Visible Dust Plumes with the potential to be transported off the projectsite: Definition of Areas Requirement

Specific Location / Area:

<i>Identify Area</i>	200 feet beyond the centerline of the construction of linear	
<i>Identify</i>	within 100 feet upwind of any regularly occupied structures	
<i>Identify distance /</i>	50 feet upwind of I-5	

Reduce visible dust plumes to comply with CEC COC AQ-SC4 (with the exception of visible emissions within 50 feet upwind of the I-5

freeway) Area Affected / Source:	NO Truck / Dirt traffic at current time	
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Date / Time Identified:

**Mitigation Measure
Implemented:**

Time Implemented / Notes

Step 1: Within 15 minutes of making such a determination, require more intensive application of existing method - such as additional soil wetting		
Step 2: If Step 1 fails to result in adequate mitigation within 30 minutes of the original determination, apply additional measures such as application of soil stabilizers, visqueen, or a geotech fabric.		
Step 3: If Steps 1 and 2 fail to result in effective mitigation within 1 hour of the original determination, the AQCM or AQCM Delegate shall direct a temporary shutdown of the activity causing the emissions. ¹		
Step 4: Immediately cease the activities causing the emissions if the dust plumes cause obscuration of visibility or result in a violation of the AQCM or AQCM Delegate's determination.		
Reduce visible dust plumes to comply with CEC COC AQ-SC4 within 50 feet upwind of the I-5 freeway		
Area Affected / Source:	No truck or Dirt traffic	Date / Time Identified:
Step 1: Direct more intensive application of the existing mitigation methods immediately if the visible plumes are seen within 50 feet of I-5 but are not causing obscuration of visibility to drivers.	Mitigation Measure Implemented:	Time Implemented / Notes
Step 2: Direct implementation of additional methods for dust suppression and monitor the start-up and/or continuation of the dust causing activities to ensure that the additional mitigation is effective.		
Step 3: Direct a temporary shutdown of the activity causing the emissions if Step 2 specified above fails to result in effective mitigation. ²		

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: Tommy Brister

Date: 4/26/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily

On Going Diesel Requirements	Checklist Criteria:	Response:	Notes:
Update Equipment Inventory List	Equipment Updated (Y/N/NA):	YES	Newly arrived equipment is tracked
Confirm all equipment are ARB tagged on both sides and tags are Visible.	Tags Visible (Y/N):	YES	All equipment coming on site is being tagged
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	Tags are visible
Documentation of acceptable engine tier is on file.	Equipment Updated (Y/N/NA):	YES	
Letter from each equipment owner is on file indicating that equipment is being properly maintained	Letters Updated (Y/N/NA):	YES	
All diesel heavy construction equipment shall not idle for more than 5 minutes, to the extent practical. Vehicles that need to idle as part of their normal operation (such as concrete trucks) are exempted from this requirement. Note equipment needed to idle longer than 5 min as part of normal operation in the notes section of this checklist.	Idling Limited:(Y/N)	YES	
A list of all other actions taken to control diesel construction related emissions	Other Reductions:	N/A	

AQCMP or designee name: Tommy Brister

Date: 4/27/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily**Going Requirements****Area Affected:****Requirement:****Implemented
(Y/N):****Notes:**

Construction site entrance and Travel through	Post visible speed limit signs of a maximum of 10 MPH for unpaved	YES	Signs posted is various areas
Construction Eq Vehicle tires	Inspected and washed as necessary to clean off dirt prior to leaving	NA	No Dirt traffic at current time
Construction entrance	Enter only through treated entrance roadways as noted on Site Map. Alternative route approved by CPM - If alternative route chosen indicated on Site Map and note rationale for change	YES	Gate #3 is the designated rout of entry for project. Paved road
Unpaved roads and disturbed areas in project and laydown area	Water areas to limit visible dust. If watering is required note frequency and time in notes section of checklist	NA	No dirt traffic at current time
Construction areas adjacent to any paved roadways	Provided with sandbags or other measures in SWPPP to prevent runoff, note location of measures in Site Figure Map	YES	
Tire washing / cleaning station	Gravel ramps min 20 ft in length - identify location in Site Figure Map	YES	No truck traffic at current time
Unpaved Exits	At all exit locations: Gravel or treated to prevent track-out - identify	YES	Rumble plate put in place
Paved Areas	Swept at least twice daily (or less during periods of precipitation during active days of construction)	YES	Is being completed twice a day
Public Roadway existing construction site	500 feet of public roadway swept visually clean at least twice daily (or less during periods of precipitation) during active	YES	No dirt traffic at current time
Bulk transport vehicles with materials that have potential to cause visible emissions on public	Cover or wet and load so that the trucks have at least 2 feet of freeboard	NA	No truck traffic at current time
Storage areas inactive for more than 10 days	Covered or treated with dust suppressants, and vehicle access will be restricted.	N/A	
Construction Areas that may be disturbed and are generating fugitive dust	Install wind erosions control techniques (such as gravel, windbreaks, water, chemical dust suppressants, and/or vegetation) until soil is stabilized or permanently covered w/ vegetation.	NA	No truck traffic at current time
Disturbed areas Demolition Haul Trucks -	Re-Vegetated as soon as possible Travel limited to paved or	YES	No dirt traffic at the

Within the Encina Power Station
Property

graveled surfaces - Note Routes on Site Figure Map

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project,

The activity shall not restart until the AQCM or AQCM Delegate is satisfied that appropriate additional mitigation or other site conditions have changed so that visual dust plumes will not result upon restarting the activity that caused the shut-down. The owner/operator may appeal to the CPM any directive from the AQCM or AQCM Delegate to shut down an activity, provided that the shutdown shall go into effect within one hour of the original determination, unless overruled by the CPM before that time.

Date: 4/27/2021

Monitoring for Visible Dust Plumes with the potential to be transported off the projectsite: Definition of Areas Requirement

Specific Location / Area:

<i>Identify Area</i>	200 feet beyond the centerline of the construction of linear	
<i>Identify</i>	within 100 feet upwind of any regularly occupied structures	
<i>Identify distance /</i>	50 feet upwind of I-5	

Reduce visible dust plumes to comply with CEC COC AQ-SC4 (with the exception of visible emissions within 50 feet upwind of the I-5

freeway) Area Affected / Source:	NO Truck / Dirt traffic at current time	
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Date / Time Identified:

Mitigation Measure Implemented:

Time Implemented / Notes

Step 1: Within 15 minutes of making such a determination, require more intensive application of existing method - such as additional soil wetting		
Step 2: If Step 1 fails to result in adequate mitigation within 30 minutes of the original determination, apply additional measures such as application of soil stabilizers, visqueen, or a geotech fabric.		
Step 3: If Steps 1 and 2 fail to result in effective mitigation within 1 hour of the original determination, the AQCM or AQCM Delegate shall direct a temporary shutdown of the activity causing the emissions. ¹		
Step 4: Immediately cease the activities causing the visible dust plumes if any obscuration of visibility is observed to drivers on I-5.		
Reduce visible dust plumes to comply with CEC COC AQ-SC4 within 50 feet upwind of the I-5 freeway		
Area Affected / Source:	No truck or Dirt traffic	Date / Time Identified:
Direct more intensive application of the existing mitigation methods immediately if the visible plumes are seen within 50 feet of I-5 but are not causing obscuration of visibility to drivers.	Mitigation Measure Implemented:	Time Implemented / Notes
Step 2: Direct implementation of additional methods for dust suppression and monitor the start-up and/or continuation of the dust causing activities to ensure that the additional mitigation is effective.		
Step 3: Direct a temporary shutdown of the activity causing the emissions if Step 2 specified above fails to result in effective mitigation. ²		

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: *Tommy Brister*

Date: 4/27/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily

On Going Diesel Requirements	Checklist Criteria:	Response:	Notes:
Update Equipment Inventory List	Equipment Updated (Y/N/NA):	YES	Newly arrived equipment is tracked
Confirm all equipment are ARB tagged on both sides and tags are Visible.	Tags Visible (Y/N):	YES	All equipment coming on site is being tagged
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	Tags are visible
Documentation of acceptable engine tier is on file.	Equipment Updated (Y/N/NA):	YES	
Letter from each equipment owner is on file indicating that equipment is being properly maintained	Letters Updated (Y/N/NA):	YES	
All diesel heavy construction equipment shall not idle for more than 5 minutes, to the extent practical. Vehicles that need to idle as part of their normal operation (such as concrete trucks) are exempted from this requirement. Note equipment needed to idle longer than 5 min as part of normal operation in the notes section of this checklist.	Idling Limited:(Y/N)	YES	
A list of all other actions taken to control diesel construction related emissions	Other Reductions:	N/A	

AQCMP or designee name: Tommy Brister

Date: 4/28/2021**Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily****Going Requirements****Area Affected:****Requirement:****Implemented
(Y/N):****Notes:**

Construction site entrance and Travel through	Post visible speed limit signs of a maximum of 10 MPH for unpaved	YES	Signs posted in various areas
Construction Eq Vehicle tires	Inspected and washed as necessary to clean off dirt prior to leaving	NA	No Dirt traffic at current time
Construction entrance	Enter only through treated entrance roadways as noted on Site Map. Alternative route approved by CPM - If alternative route chosen indicated on Site Map and note rationale for change	YES	Gate #3 is the designated route of entry for project. Paved road
Unpaved roads and disturbed areas in project and laydown area	Water areas to limit visible dust. If watering is required note frequency and time in notes section of checklist	NA	No dirt traffic at current time
Construction areas adjacent to any paved roadways	Provided with sandbags or other measures in SWPPP to prevent runoff, note location of measures in Site Figure Map	YES	
Tire washing / cleaning station	Gravel ramps min 20 ft in length - identify location in Site Figure Map	YES	No truck traffic at current time
Unpaved Exits	At all exit locations: Gravel or treated to prevent track-out - <u>identify</u>	YES	Rumble plate put in place
Paved Areas	Swept at least twice daily (or less during periods of precipitation during active days of construction)	YES	Is being completed twice a day
Public Roadway existing construction site	500 feet of public roadway swept visually clean at least twice daily (or less during periods of precipitation) during active.	YES	No dirt traffic at current time
Bulk transport vehicles with materials that have potential to cause visible emissions on public	Cover or wet and load so that the trucks have at least 2 feet of freeboard	NA	No truck traffic at current time
Storage areas inactive for more than 10 days	Covered or treated with dust suppressants, and vehicle access will be restricted.	N/A	
Construction Areas that may be disturbed and are generating fugitive dust	Install wind erosion control techniques (such as gravel, windbreaks, water, chemical dust suppressants, and/or vegetation) until soil is stabilized or permanently covered w/ vegetation.	NA	No truck traffic at current time
Disturbed areas Demolition Haul Trucks -	Re-Vegetated as soon as possible Travel limited to paved or	YES	No dirt traffic at the

Within the Encina Power Station
Property

graveled surfaces - Note Routes on Site Figure Map

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project,

1 The activity shall not restart until the AQCM or AQCM Delegate is satisfied that appropriate additional mitigation or other site conditions have changed so that visual dust plumes will not result upon restarting the activity that caused the shut-down. The owner/operator may appeal to the CPM any directive from the AQCM or AQCM Delegate to shut down an activity, provided that the shutdown shall go into effect within one hour of the original determination, unless overruled by the CPM before that time.

Date: 4/28/2021

Monitoring for Visible Dust Plumes with the potential to be transported off the projectsite: Definition of Areas Requirement

Specific Location / Area:

<i>Identify Area</i>	200 feet beyond the centerline of the construction of linear	
<i>Identify</i>	within 100 feet upwind of any regularly occupied structures	
<i>Identify distance /</i>	50 feet upwind of I-5	

Reduce visible dust plumes to comply with CEC COC AQ-SC4 (with the exception of visible emissions within 50 feet upwind of the I-5

freeway) Area Affected / Source:	NO Truck / Dirt traffic at current time	
---	--	--

Date / Time Identified:

Mitigation Measure Implemented:

Time Implemented / Notes

Step 1: Within 15 minutes of making such a determination, require more intensive application of existing method - such as additional soil wetting		
Step 2: If Step 1 fails to result in adequate mitigation within 30 minutes of the original determination, apply additional measures such as application of soil stabilizers, visqueen, or a geotech fabric.		
Step 3: If Steps 1 and 2 fail to result in effective mitigation within 1 hour of the original determination, the AQCM or AQCM Delegate shall direct a temporary shutdown of the activity causing the emissions. ¹		
Step 4: Immediately cease the activities causing the visible dust plumes if any obscuration of visibility is observed to drivers on I-5.		
Reduce visible dust plumes to comply with CEC COC AQ-SC4 within 50 feet upwind of the I-5 freeway		
Area Affected / Source:	No truck or Dirt traffic	Date / Time Identified:
Direct more intensive application of the existing mitigation methods immediately if the visible plumes are seen within 50 feet of I-5 but are not causing obscuration of visibility to drivers.	Mitigation Measure Implemented:	Time Implemented / Notes
Step 2: Direct implementation of additional methods for dust suppression and monitor the start-up and/or continuation of the dust causing activities to ensure that the additional mitigation is effective.		
Step 3: Direct a temporary shutdown of the activity causing the emissions if Step 2 specified above fails to result in effective mitigation. ²		

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: *Tommy Brister*

Date: 4/28/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily

On Going Diesel Requirements	Checklist Criteria:	Response:	Notes:
Update Equipment Inventory List	Equipment Updated (Y/N/NA):	YES	Newly arrived equipment is tracked
Confirm all equipment are ARB tagged on both sides and tags are Visible.	Tags Visible (Y/N):	YES	All equipment coming on site is being tagged
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	Tags are visible
Documentation of acceptable engine tier is on file.	Equipment Updated (Y/N/NA):	YES	
Letter from each equipment owner is on file indicating that equipment is being properly maintained	Letters Updated (Y/N/NA):	YES	
All diesel heavy construction equipment shall not idle for more than 5 minutes, to the extent practical. Vehicles that need to idle as part of their normal operation (such as concrete trucks) are exempted from this requirement. Note equipment needed to idle longer than 5 min as part of normal operation in the notes section of this checklist.	Idling Limited:(Y/N)	YES	
A list of all other actions taken to control diesel construction related emissions	Other Reductions:	N/A	

AQCMP or designee name: Tommy Brister

Date: 4/29/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily**Going Requirements****Area Affected:****Requirement:****Implemented
(Y/N):****Notes:**

Construction site entrance and Travel through	Post visible speed limit signs of a maximum of 10 MPH for unpaved	YES	Signs posted in various areas
Construction Eq Vehicle tires	Inspected and washed as necessary to clean off dirt prior to leaving	NA	No dirt traffic at current time
Construction entrance	Enter only through treated entrance roadways as noted on Site Map. Alternative route approved by CPM - If alternative route chosen indicated on Site Map and note rationale for change	YES	Gate #3 is the designated route of entry for project. Paved road
Unpaved roads and disturbed areas in project and laydown area	Water areas to limit visible dust. If watering is required note frequency and time in notes section of checklist	NA	No dirt traffic at current time
Construction areas adjacent to any paved roadways	Provided with sandbags or other measures in SWPPP to prevent runoff, note location of measures in Site Figure Map	YES	
Tire washing / cleaning station	Gravel ramps min 20 ft in length - identify location in Site Figure Map	YES	No truck traffic at current time
Unpaved Exits	At all exit locations: Gravel or treated to prevent track-out - <u>identify</u>	YES	Rumble plate put in place
Paved Areas	Swept at least twice daily (or less during periods of precipitation during active days of construction)	YES	Is being completed twice a day
Public Roadway existing construction site	500 feet of public roadway swept visually clean at least twice daily (or less during periods of precipitation) during active	YES	No dirt traffic at current time
Bulk transport vehicles with materials that have potential to cause visible emissions on public	Cover or wet and load so that the trucks have at least 2 feet of freeboard	NA	No truck traffic at current time
Storage areas inactive for more than 10 days	Covered or treated with dust suppressants, and vehicle access will be restricted.	N/A	
Construction Areas that may be disturbed and are generating fugitive dust	Install wind erosion control techniques (such as gravel, windbreaks, water, chemical dust suppressants, and/or vegetation) until soil is stabilized or permanently covered w/ vegetation.	NA	No truck traffic at current time
Disturbed areas Demolition Haul Trucks -	Re-Vegetated as soon as possible Travel limited to paved or	YES	No dirt traffic at the

Within the Encina Power Station Property

graveled surfaces - Note Routes on Site Figure Map

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project,

1 The activity shall not restart until the AQCM or AQCM Delegate is satisfied that appropriate additional mitigation or other site conditions have changed so that visual dust plumes will not result upon restarting the activity that caused the shut-down. The owner/operator may appeal to the CPM any directive from the AQCM or AQCM Delegate to shut down an activity, provided that the shutdown shall go into effect within one hour of the original determination, unless overruled by the CPM before that time.

Date: 4/29/2021

Monitoring for Visible Dust Plumes with the potential to be transported off the projectsite: Definition of Areas Requirement

Specific Location / Area:

<i>Identify Area</i>	200 feet beyond the centerline of the construction of linear	
<i>Identify</i>	within 100 feet upwind of any regularly occupied structures	
<i>Identify distance /</i>	50 feet upwind of I-5	

Reduce visible dust plumes to comply with CEC COC AQ-SC4 (with the exception of visible emissions within 50 feet upwind of the I-5

freeway) Area Affected / Source:	NO Truck / Dirt traffic at current time	
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Date / Time Identified:

Mitigation Measure Implemented:

Time Implemented / Notes

Step 1: Within 15 minutes of making such a determination, require more intensive application of existing method - such as additional soil wetting		
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Step 1: Immediately cease the activities causing the visible dust plumes if obscuration of visibility is		
Reduce visible dust plumes to comply with CEC COC AQ-SC4 within 50 feet upwind of the I-5 freeway		
Area Affected / Source: Direct more intensive	No truck or Dirt traffic	Date / Time Identified:
application of the existing mitigation methods immediately if the visible plumes are seen within 50 feet of I-5 but are not causing obscuration of visibility to drivers.	Mitigation Measure Implemented:	Time Implemented / Notes
Step 2: Direct implementation of additional methods for dust suppression and monitor the start-up and/or continuation of the dust causing activities to ensure that the additional mitigation is effective.		
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Air Quality Construction Mitigation | for the Carlsbad Energy Center Project

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: *Tommy Brister*

Date: 4/29/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily

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Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	Tags are visible
Documentation of acceptable engine tier is on file.	Equipment Updated (Y/N/NA):	YES	
Letter from each equipment owner is on file indicating that equipment is being properly maintained	Letters Updated (Y/N/NA):	YES	
All diesel heavy construction equipment shall not idle for more than 5 minutes, to the extent practical. Vehicles that need to idle as part of their normal operation (such as concrete trucks) are exempted from this requirement. Note equipment needed to idle longer than 5 min as part of normal operation in the notes section of this checklist.	Idling Limited:(Y/N)	YES	
A list of all other actions taken to control diesel construction related emissions	Other Reductions:	N/A	

AQCMP or designee name: Tommy Brister

Date: 4/30/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily**Going Requirements****Area Affected:****Requirement:****Implemented
(Y/N):****Notes:**

Construction site entrance and Travel through	Post visible speed limit signs of a maximum of 10 MPH for unpaved	YES	Signs posted in various areas
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Construction areas adjacent to any paved roadways	Provided with sandbags or other measures in SWPPP to prevent runoff, note location of measures in Site Figure Map	YES	
Tire washing / cleaning station	Gravel ramps min 20 ft in length – identify location in Site Figure Map	YES	No truck traffic at current time
Unpaved Exits	At all exit locations: Gravel or treated to prevent track-out – <u>identify</u>	YES	Rumble plate put in place
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Public Roadway existing construction site	500 feet of public roadway swept visually clean at least twice daily (or less during periods of precipitation) during active	YES	No dirt traffic at current time
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Reduce visible dust plumes to comply with CEC COC AQ-SC4 (with the exception of visible emissions within 50 feet upwind of the I-5

freeway) Area Affected / Source:	NO Truck / Dirt traffic at current time	
---	--	--

Date / Time Identified:

Mitigation Measure Implemented:

Time Implemented / Notes

Step 1: Within 15 minutes of making such a determination, require more intensive application of existing method - such as additional soil wetting		
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Step 3: If Steps 1 and 2 fail to result in effective mitigation within 1 hour of the original determination, the AQCM or AQCM Delegate shall direct a temporary shutdown of the activity causing the emissions. ¹		
Step 1: Immediately cease the activities causing the visible dust plumes to comply with CEC COC AQ-SC4 within 50 feet upwind of the I-5 freeway		
Area Affected / Source: Direct more intensive application of the existing mitigation methods immediately if the visible plumes are seen within 50 feet of I-5 but are not causing obscuration of visibility to drivers.	No truck or Dirt traffic	Date / Time Identified:
Step 2: Direct implementation of additional methods for dust suppression and monitor the start-up and/or continuation of the dust causing activities to ensure that the additional mitigation is effective.	Mitigation Measure Implemented:	Time Implemented / Notes
Step 3: Direct a temporary shutdown of the activity causing the emissions if Step 2 specified above fails to result in effective mitigation. ²		

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: *Tommy Brister*

Date: 4/30/2021

Air Quality Construction Mitigation Manager or Designee to Complete Checklist Daily

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All diesel heavy construction equipment shall not idle for more than 5 minutes, to the extent practical. Vehicles that need to idle as part of their normal operation (such as concrete trucks) are exempted from this requirement. Note equipment needed to idle longer than 5 min as part of normal operation in the notes section of this checklist.	Idling Limited:(Y/N)	YES	
A list of all other actions taken to control diesel construction related emissions	Other Reductions:	N/A	



Cabrillo Power I, LLC
4600 Carlsbad Boulevard
Carlsbad, CA 92008

Attachment B

Diesel Engine Tier and Maintenance Documentation

Brandenburg®

May 3rd , 2021

Project Code: MA0842

NRG-Encina Power Station
4600 Carlsbad Blvd.
Carlsbad, Ca. 92008

Attn: Tim Sisk
Environmental Manager

Subject: Maintenance and Inspection of Equipment

Dear Mr. Sisk:

This letter confirms that Brandenburg Industrial Services Company performs daily inspection reports when equipment is utilized and performs required maintenance for all on-site equipment. Attached is a current Equipment Log for equipment currently on site.

Please let me know if any further information is required.

Best regards,

Liam J Campbell

Liam Campbell
Brandenburg Industrial Service Co.

DIVISION OFFICE

2217 Spillman Drive
Bethlehem, PA 18015-1982
Phone (610) 691-1800
Fax (610) 691-4200

BRANDENBURG INDUSTRIAL SERVICE COMPANY

501 W. Lake Street, Suite 104 | Elmhurst, IL 60126-1419 | Phone (630) 956-7200 | Fax (630) 956-7222
2625 S. Loomis Street | Chicago, IL 60608-5414 | Phone (312) 326-5800 | Fax (312) 326-5055
1 N. Broadway, Stop 670 | Gary, IN 46402-3101 | Phone (219) 881-0200 | Fax (219) 880-4330
200 E. Big Beaver Road | Troy, MI 48083-1208 | Phone (313) 382-2500 | Fax (800) 849-1589
#50 Rivera Aulet Street, Bo. Pueblo Suite 101 | Arecibo, PR 00612 | Phone (787) 650-7171
800 Town & Country Blvd. | Houston, TX 77024-3916 | Phone (832) 431-3287 | Fax (800) 849-1589

Brandenburg®

Job Name: NRG Encina PowerStation

Job #: MA0842

Month Ending: April

Equipment Number	Tier 4 Inspection	Description	Equipment Move on	Equipment Move Off	EIN #
41935	Green; #2; 11/21/2019	Bobcat S770	11/11/2019		FP4A83
41936	Green; #3; 11/21/2019	Bobcat S770	11/11/2019		GC4A66
41937	Green; #4; 11/21/2019	Bobcat S770	11/11/2019		YG9P77
673141 (Rental)	N/A	20 ft Scissor Lift	7/14/2020		N/A
10206385 (Rental)	N/A	20 ft Scissor Lift	7/14/2020		N/A
37037	N/A	Air Compressor	12/12/2019		N/A
41951	Green; #6; 1/07/2020	Bobcat S770	1/7/2020		JN8S96
41952	Green; #7; 1/07/2020	Bobcat S770	1/7/2020		XY9V35
30426	Green; #8; 1/14/2020	Tennant Sweeper	1/13/2020		VN6P66
436081	N/A	45' Eletric Man Lift	1/16/2020		N/A
10202100	N/A	20' Single Manlift	08/19/2020		N/A
10206593 (Rental)	Green; #17; 7/16/2020	60' Man lift	7/13/2020		UK9P58
10265035 (Rental)	N/A	24' Push Man lift	1/20/2020		N/A
AP5873 (Rental)	N/A	56 KW Diesel Generator	7/28/2020	12/18/2020	1728987 (PERP)
3356-12 (Rental)	Green; #18 7/15/2020	12k Lull	7/13/2020	9/8/2020	WH8P44
25225	Green; #13; 02/24/2020	Komatsu WA500 Loader	2/21/2020		BT4G48

BRANDENBURG INDUSTRIAL SERVICE COMPANY

2217 Spillman Drive | Bethlehem, PA 18015-1982 | Phone (610) 691-1800 | Fax (610) 691-4200

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41956	Green; #14; 03/16/2020	Bobcat S770	3/16/2020	7/15/2020	KP3K59
41956	Green; #15 04/09/2021	Bobcat S770	4/09/2021		KP3K59
04075	N/A	Generator	3/16/2020		N/A
00981	Green; #14 3/16/2020	Generator	3/16/2020		N/A
10263	Green; #20 7/28/2020	Liebherr 926 Track Excavator	7/27/2020		RP6M67
P1032915 (Rental)	N/A	Water Truck	7/29/2020		N/A
10185986	Green; #23 08/19/2020	80' Manlift	8/19/2020		WP5U33
10131906	Green; #22 08/19/2020	80' Manlift	8/19/2020		LA3M33
10162844	Green; # 33 2/6/2021	80' Manlift	2/5/2021		TY3X36
1018483	Green; #21 08/14/2020	180' Manlift	8/14/2020	04/22/2021	KW7Y76
79660	N/A	320 KW Diesel Generator	8/31/2020		PP6408
40919	Green; #25 09/08/2020	12k Lull	9/08/2020	11/2/2020	VP9E67
12054	Green; #31 11/2/2020	12k Lull	10/31/2020		DB3C39
46417	Green; #28 09/27/2020	Liebherr R956 Track Excavator	9/26/2020		XG3J59
45156	Green; #26 09/22/2020	Liebherr R956 Track Excavator	9/21/2020		FF8U93
00989	N/A	Doosan G70 Generator	12/14/2020		N/A
30466	N/A	Doosan G70 Generator	12/14/2020		N/A
10228594	Green #32; 02/02/2021	Track Skidsteer	02/01/2021		DT3Y49

BRANDENBURG INDUSTRIAL SERVICE COMPANY

2217 Spillman Drive | Bethlehem, PA 18015-1982 | Phone (610) 691-1800 | Fax (610) 691-4200

Brandenburg®

HHKHK601AK0001260	Green #34 02/15/2021	Hyundai HX220 LR Excavator	02/15/2021		AS4P69
744626	N/A	32' Electric Scissor Lift	03/30/2021		N/A
10198037	N/A	20' Electric Single Manlift	03/30/2021		N/A
10021	Green #36 04/12/2021	976 Lienherr	04/05/2021		DG6D66
25041	Green #16 04/09/2021	973 Track Loader	4/9/2021		YF7677
0300206286	Green #40 04/27/2021	135' JLG Manlift	4/23/2021		CN6Y95
1009364	Green #1009364	Bobcat S550	4/20/2021		EN5X73
541676	Green #	55 Ton Crane	4/2/2021		GV7W79
541425	Green #	55 Ton Crane	4/7/2021		KW7J68

ATTACHMENT D

**BIO-6
PHASE IV BIOLOGICAL RESOURCES
MONTHLY COMPLIANCE REPORT
APRIL 2021**

Cabrillo Power I LLC

**Biological Resources Monthly
Compliance Report (07-AFC-06C)
Phase IV – Demolition of
Encina Power Station**

April 2021 Reporting Period

May 2021

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APPENDIX A - BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

APPENDIX B - OBSERVED WILDLIFE SPECIES LIST

APPENDIX C - WILDLIFE OBSERVATION FORMS

This Monthly Compliance Report (MCR) summarizes biological resources monitoring activities and documentation conducted during the demolition phase of the Encina Power Station (EPS) from April 1 through April 30, 2021, in accordance with the Biological Resources Mitigation Implementation and Monitoring Plan (BRMIMP). The following biological Conditions of Certification (COCs) pertaining to monitoring activities covered by this MCR include, but are not limited to:

- BIO-2 Designated Biologist Duties
- BIO-4 Designated Biologist and Biological Monitor Authority
- BIO-5 Biological Resources Worker Environmental Awareness Program (WEAP);
- BIO-6 Biological Resources Mitigation Implementation and Monitoring Plan;
- BIO-7 General Impact Avoidance Mitigation Features; and
- BIO-8 Mitigation Management to Avoid Harassment or Harm.

This section summarizes biological monitoring activities conducted during the April 2021 reporting period. Demolition mobilization began November 2019, and the start of demolition began on January 29, 2020.

Biological monitoring by the Designated Biologist is conducted on a weekly basis during the nesting season. Biological Monitors conducted monitoring on a daily basis. The Biological Resources Compliance Monitoring Logs are provided in Appendix A. A list of wildlife species observed during the monitoring events is included in Appendix B. The Wildlife Observation Forms (WOF) are included in Appendix C.

The frequency and duration of monitoring is dependent upon the biological resources located within, as well as transiting through the work area. Biological monitoring will continue as described above, as well as on-call monitoring, when necessary, until the Designated Biologist determines that a change is necessary for the protection of sensitive biological resources or a reduction in monitoring is warranted because of a lack of biological resources within the site.

All on-site staff receives WEAP training prior to start of work. The hardcopy sign-in training logs are submitted separately.

2.1

NESTING BIRDS

Avian activity has increased throughout the site during the April 2021 reporting period. Courtship and nesting behaviors were observed. A list of wildlife species observed during the monitoring events are provided in Appendix B.

Environmentally Sensitive Area (ESA) buffers are established around all active nests for birds protected under the Migratory Bird Treaty Act (MBTA). On April 3, 2021, an active American peregrine falcon (*Falco peregrinus anatum*; United States Fish and Wildlife Service [USFWS] Birds of Conservation Concern [BCC]; California Department of Fish and Wildlife [CDFW] Fully Protected [FP]; California Department of Forestry [CDF] Sensitive [S]) nest was found on the east side of the EPS building. A 100-foot ESA buffer was established, and notification was submitted to the California Energy Commission (CEC) because this is a special-status species. A Nest Monitoring Plan (NMP) was submitted for CEC review on April 6, 2021. A revised NMP was submitted on April 7, 2021, which incorporated comments from USFWS and CDFW. Biological monitoring

of the American peregrine falcon nest has been continuous while stack demolition was occurring.

On April 8, 2021, two active house finch (*Haemorhous mexicanus*) nests were found within the louvers on Unit 5 and two 25-foot ESA buffers were established. The nests successfully fledged, and the ESA buffers were removed on April 28, 2021.

On April 28, 2021, two additional active house finch nests were found on the southern wall of the transmission bay. Two 25-foot ESA buffers were established around these nests.

2.3 SPECIAL-STATUS SPECIES

Six special-status avian species were observed during the February 2021 reporting period, which included the following: American peregrine falcon, California brown pelican (*Pelecanus occidentalis californicus*; CDFW FP), California gull (*Larus californicus*; CDFW Watch List [WL]), double-crested cormorant (*Phalacrocorax auratus*; CDFW WL), great blue heron (*Ardea herodias*; CDF S), and great egret (*Ardea alba*; CDF S). California Natural Diversity Database (CNDDDB) forms were not submitted for the species listed above because the occurrences are not qualifying life event. As stated in the CNDDDB data submission guidelines, birds in transit (fly-overs) and detections of foraging or perched birds are not added (CDFW, 2016)¹.

2.4 WILDLIFE DISPLACEMENT, INJURIES, AND MORTALITIES

2.4.1 Migratory Bird Treaty Act Protected Species

On April 14, 2021, an injured house finch (*Haemorhous mexicanus*) was found within the site and was transported to a rehabilitation facility.

No additional injured or dead species protected by the MBTA were observed within the EPS site. The American peregrine falcon pair readily hunts and consumes prey within the EPS site. Therefore, small pieces of prey remnants are found, but not whole bird carcasses. A list of wildlife species observed during the monitoring events are included in Appendix B.

¹ California Department of Fish and Wildlife (CDFW). 2016. *Submitting Avian Detections to the CNDDDB*. Available online at: <https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=25731>

2.4.2

Other Species

On April 22, 2021, a female raccoon (*Procyon lotor*) with kits was observed in Unit 5 boiler. AAAC Wildlife Removal were contacted and provided consultation on April 24 for possible live-trapping and relocation within the EPS site of female raccoon and kits located in Unit 5. On April 26, AAAC set up a baited trap for live-trapping of female raccoon. Regular inspections were scheduled to check the baited trap twice daily from April 27-30, 2021. The trapping effort was not successful in capturing the female raccoon or kits during the April 2021 reporting period. The female raccoon and kits remained sheltered at original location in Unit 5.

No additional injured or dead wildlife species were observed within the EPS site. A list of wildlife species observed during the monitoring events are included in Appendix B.

2.5

HAZARDOUS MATERIAL SPILLS

No project-related hazardous material spills were observed during the biological monitoring visits.

2.6

TRASH

Litter, including wind-blown, were observed during the biological monitoring visits. Litter removal requests were submitted to the demolition contractor.

2.8

NON-COMPLIANCE REPORT

No non-compliance notifications or incident reports were issued.

Appendix A
Biological Resources Compliance Monitoring Log

NRG Energy Encina Power Station (EPS) Project					
BIOLOGICAL RESOURCES					
COMPLIANCE MONITORING LOG					
Date		Monitor			Time (Begin-End)
April 2, 2021		Melissa Fowler			08:45-11:10
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment
61	76	3	N	Good (8.0 mi)	100% cloud cover/overcast
Location(s) of Work Site Activities Monitored					
NRG EPS site.					
Summary of Biological Resources Monitoring Observations					
<p>Biological resources monitoring for biological constraints, special-status species, and nesting birds was conducted at the NRG EPS site.</p> <p>Nesting Bird Observations:</p> <ul style="list-style-type: none"> • Avian activity is increasing throughout the site. • Nesting behaviors were observed in the American peregrine falcon (<i>Falco peregrinus anatum</i>; United States Fish and Wildlife Service [USFWS] Birds of Conservation Concern [BCC]; California Department of Fish and Wildlife [CDFW] Fully Protected [FP]; California Department of Forestry [CDF] Sensitive [S]) pair. • House finch (<i>Haemorrhous mexicanus</i>) and mourning dove (<i>Zenaida macroura</i>) pairs were observed within the EPS building. • An American crow (<i>Corvus brachyrhynchos</i>) pair were building a nest within the San Diego Gas & Electric (SDGE) switchyard. • European starlings (<i>Sturnus vulgaris</i>) were exhibiting nesting behaviors in a monopole within the SCGE switchyard. • No observations were noted. <p>Special-Status Species Observed:</p> <ul style="list-style-type: none"> • An American peregrine falcon (<i>Falco peregrinus anatum</i>; United States Fish and Wildlife Service [USFWS] Birds of Conservation Concern [BCC]; California Department of Fish and Wildlife [CDFW] Fully Protected [FP]; California Department of Forestry [CDF] Sensitive [S]) pair was observed. • California brown pelicans (<i>Pelecanus occidentalis californicus</i>; California Department of Fish and Wildlife Service [CDFW] Fully Protected [FP]) were observed within the project vicinity. • Double-crested cormorants (<i>Phalacrocorax auratus</i>; CDFW WL) were observed within the project vicinity. • No additional special-status species were observed. <p>Other Biological Resources Observations:</p> <ul style="list-style-type: none"> • No additional observations were noted. <p>Other Observations/Comments:</p> <ul style="list-style-type: none"> • Litter was observed within the EPS site. A litter removal request was submitted to the contractor. • Uncovered trash receptacles were observed. A request was submitted to cover all trash receptacles. • No additional observations were noted. 					
Items Requiring Action/Follow-up					
<ul style="list-style-type: none"> • A request was submitted to the contractor to conduct litter removal and to cover all trash receptacles. 					
Wildlife Species Observed					
<p>American bushtit (<i>Psaltiriparus minimus</i>), American crow, American peregrine falcon, Anna's hummingbird (<i>Calypte anna</i>), black phoebe (<i>Sayornis nigricans</i>), California brown pelican, common raven (<i>Corvus corax</i>), common yellowthroat (<i>Geothlypis trichas</i>), double-crested cormorant, European starling, Heermann's gull (<i>Larus heermanni</i>), house finch, hmourning dove, royal tern (<i>Thalasseus maximus</i>), song sparrow (<i>Melospiza melodia</i>), western fence lizard (<i>Sceloporus occidentalis</i>), western gull (<i>Larus occidentalis</i>), and white-crowned sparrow (<i>Zonotrichia leucophrys</i>).</p>					

Photo 1



Location	EPS site	Description	Overview of demolition activities within the site.
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Photo 2



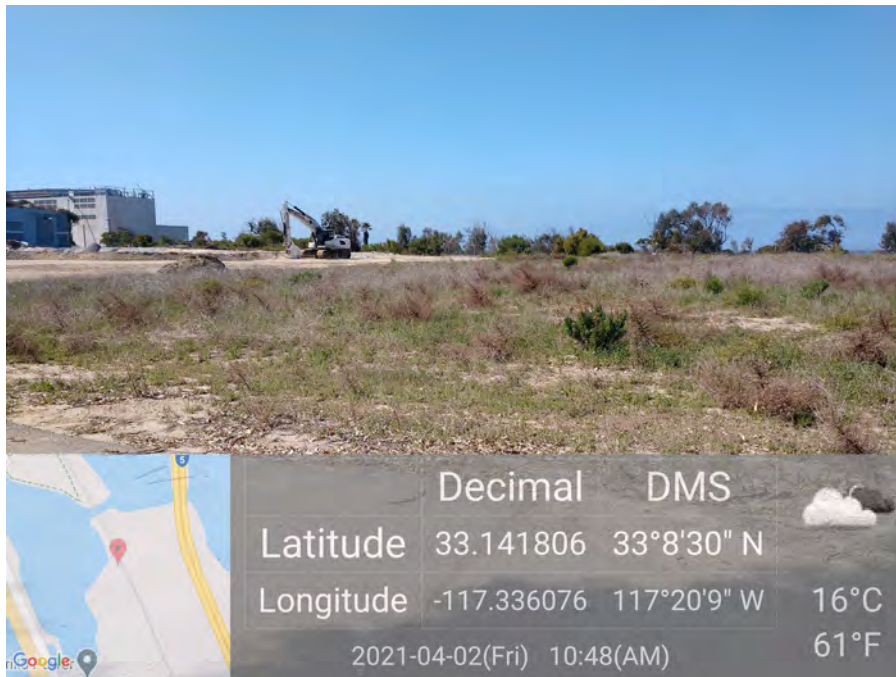
Location	EPS site	Description	An uncovered trash receptacles was observed.
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Photo 3



Location	EPS site	Description	House finch activity was observed in the louvers.
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Photo 4



Location	EPS site	Description	Overview of the northern staging area.
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Encina Power Station (EPS)					
BIOLOGICAL RESOURCES					
COMPLIANCE MONITORING LOG - OPERATIONS					
Date		Monitor			Time (Begin-End)
April 7, 2021		Leigh Ann Boswell (Biological Monitor, ERM)			0815-1445
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment
57°F (start), 66°F (end)	83%	5 mph	N	Clear, no issues	100% cloud cover (start), 5% cloud cover (end)
Site Location(s)					
Encina Power Station site					
Summary of Biological Resources Monitoring Observations					
<p>The biologist conducted monitoring of the EPS American peregrine falcon nest and both adult falcons for signs of disturbance or distress during demolition work on April 7, 2021. The nest is located on the eastern side of the EPS, next to the Encina Stack. The biologist was unable to directly observe the eggs and the nest due to the height of the nest. However, from her position at the Laydown Yard located at the southern end of the EPS, she was able to observe both adult falcons when switching incubation duties, in flight, and perched throughout the site.</p> <p>Demolition work occurred on the EPS throughout the day, with a break from 1200-1245 when crews stopped for lunch. A 100-foot buffer has been installed around the nest and no workers were observed within this buffer zone. Work did continue outside the buffer zone, with moving equipment including a large crane and demolition-related noises, throughout the day.</p> <p>Bird/Nesting Birds Observations:</p> <ul style="list-style-type: none"> The pair of American peregrine falcons (<i>Falco peregrinus anatum</i>; United States Fish and Wildlife Service [USFWS] Birds of Conservation Concern [BCC]; California Department of Fish and Wildlife [CDFW] Fully Protected [FP]; California Department of Forestry [CDF] Sensitive [S]) showed no observable signs of distress or disturbance throughout the day. An adult falcon was observed incubating on the nest for the entire day. The adults switched incubating four times throughout the day. None of the switches in the incubating adult occurred following any particularly loud demolition noises. The non-incubating adult was often observed perched on the EPS during both demolition activities and the lunch break. The birds did not appear to be startled from their perches or the nest at any time. For example, the non-incubating adult was observed perched on the EPS near crane activities for 33 minutes. The non-incubating adult was observed bringing prey to the nest and providing the prey to the incubating adult twice during the day. At both times, the incubating adult took the prey to the top of a nearby pole in the switchyard and consumed it while the other adult began incubating. <p>Special-Status Species Observed:</p> <ul style="list-style-type: none"> Two American peregrine falcons were observed within the project site. <p>Other Biological Resources Observations:</p> <ul style="list-style-type: none"> No additional observations were noted. <p>Other Observations/Comments:</p> <ul style="list-style-type: none"> No additional observations were noted. 					
Items Requiring Action/Follow-up					
<ul style="list-style-type: none"> None. 					

Wildlife Species Observed:

American crow (*Corvus brachyrhynchos*), American peregrine falcon, black phoebe (*Sayornis nigricans*), common raven (*Corvus corax*), house finch (*Haemorhous mexicanus*), house sparrow (*Passer domesticus*), mourning dove (*Zenaida macroura*), and red-tailed hawk (*Buteo jamaicensis*).

Photo 1

Location	33.1352N, 117.3355W Facing north	Description	Location of the peregrine falcon nest on the eastern side of the EPS from the observation location in the Laydown Yard.
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Photo 2



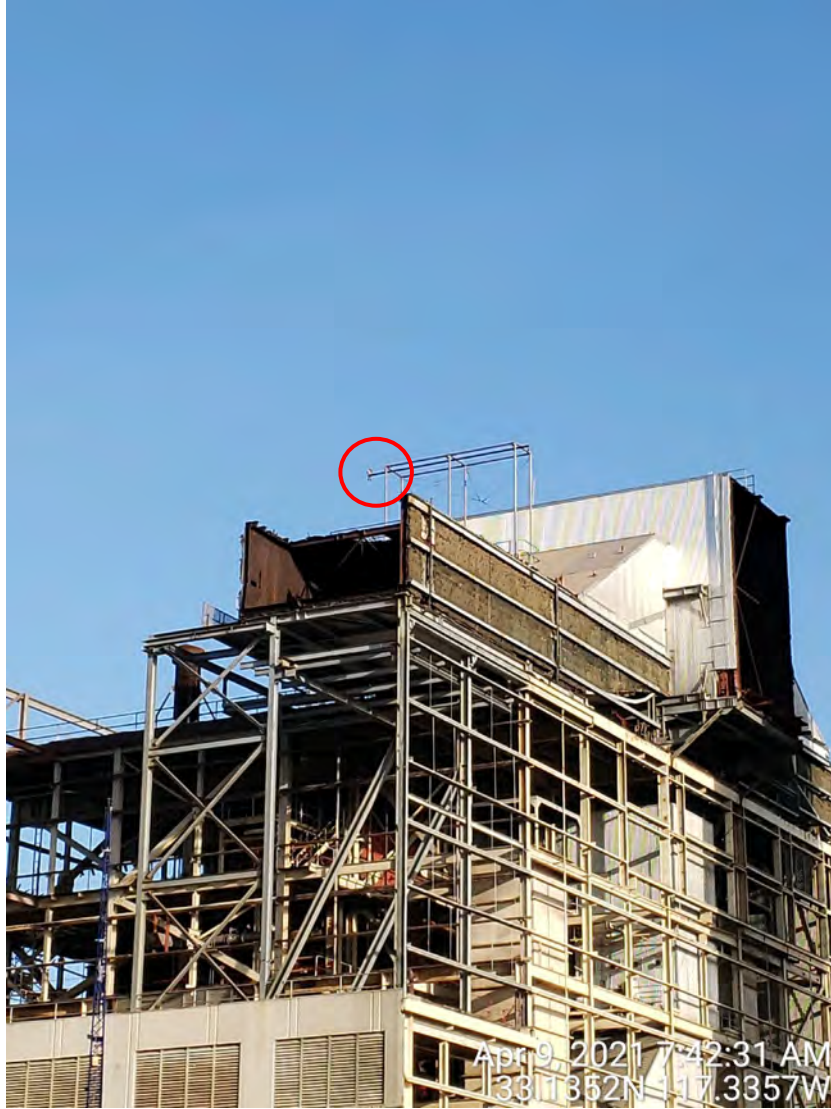
Location	33.1353N, 117.3354W Facing northwest	Description	Non-incubating peregrine falcon adult observed perched on top of the EPS near active crane activities.
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Note: Observations were documented outside of the 100-ft ESA boundary.

<div>Encina Power Station (EPS)</div> <div>BIOLOGICAL RESOURCES</div> <div>COMPLIANCE MONITORING LOG - OPERATIONS</div>					
Date		Monitor			Time (Begin-End)
April 9, 2021		Leigh Ann Boswell (Biological Monitor, ERM)			0726-1534
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment
57°F (start), 63°F (end)	72%	10mph	N	Clear, no issues	100% cloud cover (start), 5% cloud cover (end)
Site Location(s)					
EPS site					
Summary of Biological Resources Monitoring Observations					
<p>The biologist conducted monitoring of the EPS American peregrine falcon nest and both adult falcons for signs of disturbance or distress during demolition work on April 9, 2021. The nest is located on the eastern side of the EPS, next to the Encina Stack. The biologist was unable to directly observe the eggs and the nest due to the height of the nest. However, from her position at the Laydown Yard located at the southern end of the EPS, she was able to observe both adult falcons when switching incubation duties, in flight, and perched throughout the site.</p> <p>Demolition work occurred on the EPS throughout the day, with a break from 1200-1245 when crews stopped for lunch. A 100-foot buffer has been installed around the nest and no workers were observed within this buffer zone. Work did continue outside the buffer zone, with moving equipment including a large crane, lift, and demolition-related noises, throughout the day.</p> <p>Bird/Nesting Birds Observations:</p> <ul style="list-style-type: none"> The pair of American peregrine falcons (<i>Falco peregrinus anatum</i>; United States Fish and Wildlife Service [USFWS] Birds of Conservation Concern [BCC]; California Department of Fish and Wildlife [CDFW] Fully Protected [FP]; California Department of Forestry [CDF] Sensitive [S]) showed no observable signs of distress or disturbance throughout the day. The did not flush from the nest, give any auditory distress calls, or dive bomb employees at any point during the day. An adult falcon was observed to be incubating on the nest for the entire day. The adults switched the individual performing the incubation four times throughout the day. None of the switches in the incubating adult occurred following any particularly loud demolition noises. The non-incubating adult was observed perched on the nest ledge next to the incubating adult for most of the day, as well as perched on the EPS and nearby metal poles at some points during the day. The birds did not appear to be startled from their perches or the nest at any time. For example, the non-incubating adult was observed perched on the nest ledge on the EPS near crane activities for 68 minutes. The non-incubating adult was observed bringing prey to the nest and providing the prey to the incubating adult once during the day. The incubating adult took the prey to the top of a nearby pole in the switchyard and consumed it while the other adult began incubating. <p>Special-Status Species Observed:</p> <ul style="list-style-type: none"> Two American peregrine falcons were observed within the project site. <p>Other Biological Resources Observations:</p> <ul style="list-style-type: none"> No additional observations were noted. <p>Other Observations/Comments:</p> <ul style="list-style-type: none"> No additional observations were noted. 					
Items Requiring Action/Follow-up					
<ul style="list-style-type: none"> None. 					

Wildlife Species Observed:

American crow (*Corvus brachyrhynchos*), American peregrine falcon, black phoebe (*Sayornis nigricans*), common raven (*Corvus corax*), house finch (*Haemorhous mexicanus*), house sparrow (*Passer domesticus*), and mourning dove (*Zenaida macroura*).

Photo 1

Location	33.1352N, 117.3357W Facing northwest	Description	Non-incubating peregrine falcon adult observed perched on top of the EPS near active crane activities.
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Photo 2



Location	33.1352N, 117.3355W Facing northwest	Description	Both peregrine falcon adults at the nest, with the non-incubating adult perched on the nest ledge next to the incubating adult.
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NRG Energy Encina Power Station (EPS) Project

BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

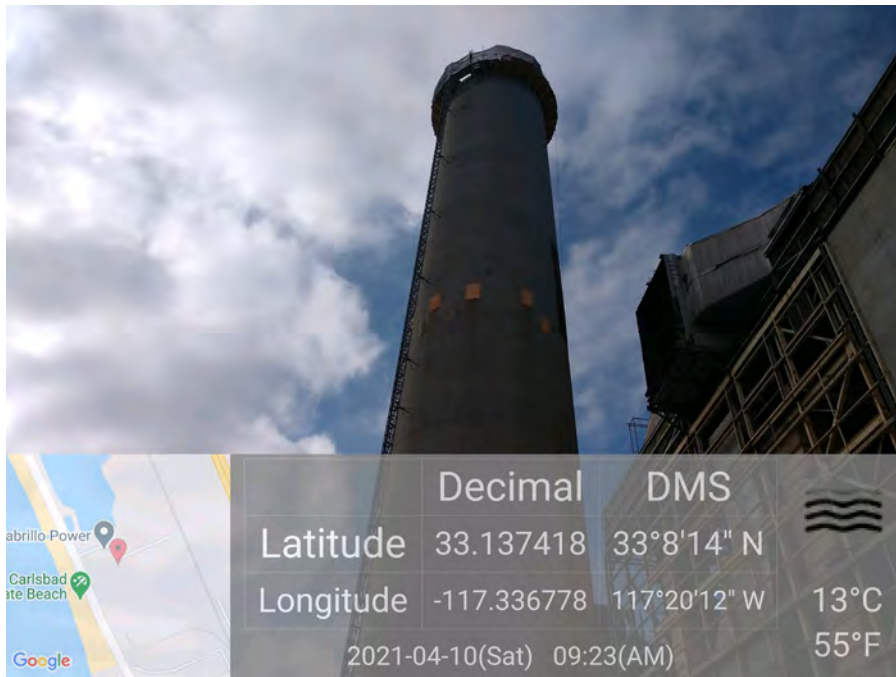
Date		Monitor			Time (Begin-End)	
April 10, 2021		Melissa Fowler			07:45-11:30	
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment	
60	67	5	N	Good	100% cloud cover/overcast	
Location(s) of Work Site Activities Monitored						
NRG EPS site.						
Summary of Biological Resources Monitoring Observations						
<p>Biological resources monitoring for biological constraints, special-status species, and nesting birds was conducted at the NRG EPS site.</p> <p>Nesting Bird Observations:</p> <ul style="list-style-type: none"> • Avian activity is increasing throughout the site. • House finch (<i>Haemorhous mexicanus</i>) and mourning dove (<i>Zenaida macroura</i>) pairs were observed within the EPS building. • An American crow (<i>Corvus brachyrhynchos</i>) pair were nesting within the San Diego Gas & Electric (SDGE) switchyard. • European starlings (<i>Sturnus vulgaris</i>) were exhibiting nesting behaviors in a monopole within the SCGE switchyard. • No observations were noted. <p>Special-Status Species Observed:</p> <ul style="list-style-type: none"> • An American peregrine falcon (<i>Falco peregrinus anatum</i>; United States Fish and Wildlife Service [USFWS] Birds of Conservation Concern [BCC]; California Department of Fish and Wildlife [CDFW] Fully Protected [FP]; California Department of Forestry [CDF] Sensitive [S]) pair was observed. • California brown pelicans (<i>Pelecanus occidentalis californicus</i>; California Department of Fish and Wildlife Service [CDFW] Fully Protected [FP]) were observed within the project vicinity. • Double-crested cormorants (<i>Phalacrocorax auratus</i>; CDFW WL) were observed within the project vicinity. • No additional special-status species were observed. <p>Other Biological Resources Observations:</p> <ul style="list-style-type: none"> • BIO-3 training was conducted with Nikki Bottum (Biological Monitor/ERM) and Emma Worthey (Biological Monitor/ERM). • No additional observations were noted. <p>Other Observations/Comments:</p> <ul style="list-style-type: none"> • No additional observations were noted. 						
Items Requiring Action/Follow-up						
<ul style="list-style-type: none"> • None. 						
Wildlife Species Observed						
<p>American crow, American peregrine falcon, California brown pelican, double-crested cormorant, European starling, house finch, mourning dove, song sparrow (<i>Melospiza melodia</i>), western fence lizard (<i>Sceloporus occidentalis</i>), western gull (<i>Larus occidentalis</i>), white-crowned sparrow (<i>Zonotrichia leucophrys</i>).</p>						

Photo 1



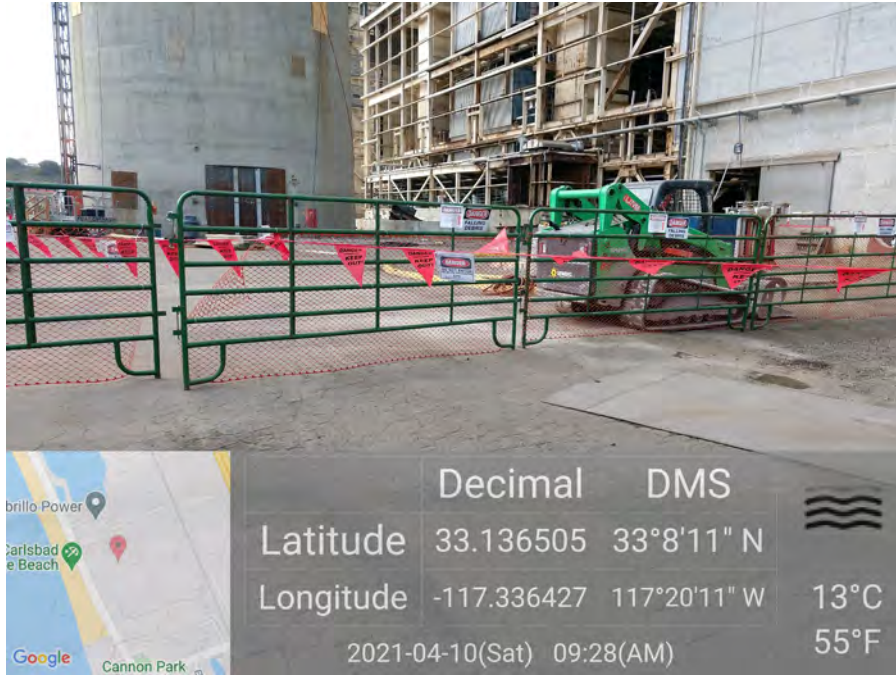
Location	EPS site	Description	House finches were observed flying into the louvers.
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Photo 2



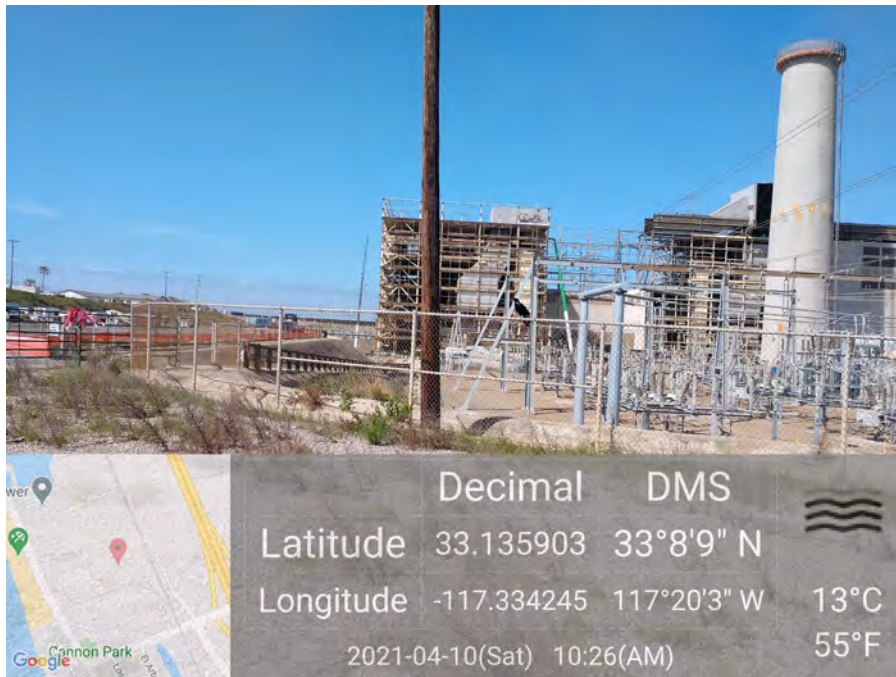
Location	EPS site	Description	An American peregrine falcon was observed perching on the stack.
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Photo 3



Location	EPS site	Description	Overview of the American peregrine falcon ESA.
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Photo 4



Location	EPS site	Description	Overview of demolition activities.
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NRG Energy Encina Power Station (EPS) Project

BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

Date		Monitor			Time (Begin-End)	
April 10, 2021		Nikki Bottum (Biological Monitor, ERM)			1000-1500	
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment	
65	-	-	N	Good	Sunny	
Location(s) of Work Site Activities Monitored						
NRG EPS site.						
Summary of Biological Resources Monitoring Observations						
<p>Biological resources monitoring for biological constraints, special-status species, and nesting birds was conducted at the NRG EPS site.</p> <p>Nesting Bird Observations:</p> <ul style="list-style-type: none"> Feeding and preening was observed in an American peregrine falcon (<i>Falco peregrinus anatum</i>; United States Fish and Wildlife Service [USFWS] Birds of Conservation Concern [BCC]; California Department of Fish and Wildlife [CDFW] Fully Protected [FP]; California Department of Forestry [CDF] Sensitive [S]) pair. Adult American peregrine falcon male flew to switchyard power pole to perch. No agitated behaviors were observed with the American peregrine falcon pair. <p>Special-Status Species Observed:</p> <ul style="list-style-type: none"> American peregrine falcons were observed. California brown pelicans (<i>Pelecanus occidentalis californicus</i>; CDFW Fully Protected [FP]) were observed within the project vicinity. A California gull (<i>Larus californicus</i>; CDFW Watch List [WL]) was observed within the project vicinity. Double-crested cormorants (<i>Phalacrocorax auratus</i>; CDFW WL) were observed within the project vicinity. A great egret (<i>Ardea alba</i>; California Department of Forestry [CDF] Sensitive [S]) was observed within the project vicinity. No additional special-status species were observed. <p>Other Biological Resources Observations:</p> <ul style="list-style-type: none"> No additional observations were noted. <p>Other Observations/Comments:</p> <ul style="list-style-type: none"> No additional observations were noted. 						
Items Requiring Action/Follow-up						
<ul style="list-style-type: none"> No actions requiring follow-up 						
Wildlife Species Observed						
<p>American peregrine falcon, American crow (<i>Corvus brachyrhynchos</i>), black phoebe (<i>Sayornis nigricans</i>), common Raven (<i>Corvus corax</i>), California brown pelican, California gull, double-crested cormorant, European starling (<i>Sturnus vulgaris</i>), great egret, house finch (<i>Haemorrhous mexicanus</i>), mourning dove (<i>Zenaida macroura</i>), Say's phoebe (<i>Sayornis saya</i>), western gull (<i>Larus occidentalis</i>), and white-crowned sparrow (<i>Zonotrichia leucophrys</i>).</p>						

NRG Energy Encina Power Station (EPS) Project					
BIOLOGICAL RESOURCES					
COMPLIANCE MONITORING LOG					
Date		Monitor			Time (Begin-End)
April 12, 2021		Nikki Bottum (Biological Monitor, ERM)			0700-1700
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment
63	66	4	N	Good	Overcast in the morning
Location(s) of Work Site Activities Monitored					
NRG EPS site.					
Summary of Biological Resources Monitoring Observations					
<p>Biological resources monitoring for biological constraints, special-status species, and nesting birds was conducted at the NRG EPS site.</p> <p>Nesting Bird Observations:</p> <ul style="list-style-type: none"> Feeding and preening was observed in an American peregrine falcon (<i>Falco peregrinus anatum</i>; United States Fish and Wildlife Service [USFWS] Birds of Conservation Concern [BCC]; California Department of Fish and Wildlife [CDFW] Fully Protected [FP]; California Department of Forestry [CDF] Sensitive [S]) pair. Adult American peregrine falcon male flew to switchyard power pole to perch multiple times. No agitated behaviors were observed with the American peregrine falcon pair. The adult American peregrine falcons were vocalizing with each other by nest. <p>Special-Status Species Observed:</p> <ul style="list-style-type: none"> An American peregrine falcon pair was observed. California brown pelicans (<i>Pelecanus occidentalis californicus</i>; CDFW Fully Protected [FP]) were observed within the project vicinity. A California gull (<i>Larus californicus</i>; CDFW Watch List [WL]) was observed within the project vicinity. Double-crested cormorants (<i>Phalacrocorax auratus</i>; CDFW WL) were observed within the project vicinity. A great egret (<i>Ardea alba</i>; California Department of Forestry [CDF] Sensitive [S]) was observed within the project vicinity. No additional special-status species were observed. <p>Other Biological Resources Observations:</p> <ul style="list-style-type: none"> No additional observations were noted. <p>Other Observations/Comments:</p> <ul style="list-style-type: none"> No additional observations were noted. 					
Items Requiring Action/Follow-up					
<ul style="list-style-type: none"> No items requiring follow-up 					
Wildlife Species Observed					
<p>American crow (<i>Corvus brachyrhynchos</i>), American peregrine falcon, black phoebe (<i>Sayornis nigricans</i>), California brown pelican, California gull, common raven (<i>Corvus, corax</i>), double-crested cormorant, European starling (<i>Sturnus vulgaris</i>), great egret, house finch (<i>Haemorhous mexicanus</i>), mourning dove (<i>Zenaida macroura</i>), Say's phoebe (<i>Sayornis saya</i>), western gull (<i>Larus occidentalis</i>), and white-crowned sparrow (<i>Zonotrichia leucophrys</i>).</p>					

NRG Energy Encina Power Station (EPS) Project

BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

Date						Monitor						Time (Begin-End)					
April 13, 2021						Nikki Bottum (Biological Monitor, ERM)						0700-1700					
Temperature (°F)		Humidity (%)		Wind (mph)		Precipitation (Y/N, amount)		Visibility		Weather Comment							
56		81		6		Y, <1"		Good		Overcast, with intermittent sprinkles in the am							
Location(s) of Work Site Activities Monitored																	
NRG EPS site.																	
Summary of Biological Resources Monitoring Observations																	
<p>Biological resources monitoring for biological constraints, special-status species, and nesting birds was conducted at the NRG EPS site.</p> <p>Nesting Bird Observations:</p> <ul style="list-style-type: none"> Feeding, incubating, and preening was observed in an American peregrine falcon (<i>Falco peregrinus anatum</i>; United States Fish and Wildlife Service [USFWS] Birds of Conservation Concern [BCC]; California Department of Fish and Wildlife [CDFW] Fully Protected [FP]; California Department of Forestry [CDF] Sensitive [S]) pair. The adult male was vocalizing after fresh kill and to attract the female to food. Adults switched incubating on nest twice during the monitoring event. No agitated behaviors were observed with the American peregrine falcon pair. <p>Special-Status Species Observed:</p> <ul style="list-style-type: none"> An American peregrine falcon pair was observed. California brown pelicans (<i>Pelecanus occidentalis californicus</i>; California Department of Fish and Wildlife Service [CDFW] Fully Protected [FP]) were observed within the project vicinity. A California gull (<i>Larus californicus</i>; CDFW Watch List [WL]) was observed within the project vicinity. Double-crested cormorants (<i>Phalacrocorax auratus</i>; CDFW WL) were observed within the project vicinity. No additional special-status species were observed. <p>Other Biological Resources Observations:</p> <ul style="list-style-type: none"> No additional observations were noted. <p>Other Observations/Comments:</p> <ul style="list-style-type: none"> A personal drone not associated with the EPS demolition project was observed flying by stack. The drone was observed flying offsite of the EPS property towards public areas to the east of the EPS property. 																	
Items Requiring Action/Follow-up																	
<ul style="list-style-type: none"> No items requiring follow-up. 																	
Wildlife Species Observed																	
<p>American crow (<i>Corvus brachyrhynchos</i>), American peregrine falcon (<i>Falco peregrinus</i>), black phoebe (<i>Sayornis nigricans</i>), California brown pelican, California gull, double-crested cormorant, European starling (<i>Sturnus vulgaris</i>), house finch (<i>Haemorrhous mexicanus</i>), mourning dove (<i>Zenaida macroura</i>), and western gull (<i>Larus occidentalis</i>).</p>																	

NRG Energy Encina Power Station (EPS) Project					
BIOLOGICAL RESOURCES					
COMPLIANCE MONITORING LOG					
Date		Monitor			Time (Begin-End)
April 14, 2021		Nikki Bottum (Biological Monitor, ERM)			0700-1800
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment
56	72	4 SW	N	Good	Overcast in am. Partly cloudy in pm
Location(s) of Work Site Activities Monitored					
NRG EPS site.					
Summary of Biological Resources Monitoring Observations					
<p>Biological resources monitoring for biological constraints, special-status species, and nesting birds was conducted at the NRG EPS site.</p> <p>Nesting Bird Observations:</p> <ul style="list-style-type: none"> Feeding, foraging, and preening by the adult male American peregrine falcon (<i>Falco peregrinus anatum</i>; United States Fish and Wildlife Service [USFWS] Birds of Conservation Concern [BCC]; California Department of Fish and Wildlife [CDFW] Fully Protected [FP]; California Department of Forestry [CDF] Sensitive [S]) was observed. The adult American peregrine falcon male was vocalizing after a fresh kill. The adult American peregrine falcon female was not observed. No agitated behaviors in the American peregrine falcon pair were observed. <p>Special-Status Species Observed:</p> <ul style="list-style-type: none"> An American peregrine falcon pair was observed. California brown pelicans (<i>Pelecanus occidentalis californicus</i>; California Department of Fish and Wildlife Service [CDFW] Fully Protected [FP]) were observed within the project vicinity. A California gull (<i>Larus californicus</i>; CDFW Watch List [WL]) was observed within the project vicinity. Double-crested cormorants (<i>Phalacrocorax auratus</i>; CDFW WL) were observed within the project vicinity. A great blue heron (<i>Ardea herodias</i>; California Department of Forestry [CDF] Sensitive [S]) was observed. No additional special-status species were observed. <p>Other Biological Resources Observations:</p> <ul style="list-style-type: none"> No additional observations were noted. <p>Other Observations/Comments:</p> <ul style="list-style-type: none"> An injured adult house finch (<i>Haemorrhous mexicanus</i>) was identified within the site. Project Wildlife with the Humane Society was contacted. The bird was picked up and taken to their facility. 					
Items Requiring Action/Follow-up					
<ul style="list-style-type: none"> No items requiring follow-up. 					
Wildlife Species Observed					
<p>American peregrine falcon (<i>Falco peregrinus</i>), American crow (<i>Corvus brachyrhynchos</i>), American goldfinch (<i>Spinus tristis</i>), black phoebe (<i>Sayornis nigricans</i>), California brown pelican, California gull, California towhee (<i>Melospiza crissalis</i>), common raven (<i>Corvus corax</i>), double-crested cormorant, European starling (<i>Sturnus vulgaris</i>), great blue heron, house finch, mourning dove (<i>Zenaidura macroura</i>), and western gull (<i>Larus occidentalis</i>).</p>					

NRG Energy Encina Power Station (EPS) Project

BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

Date		Monitor			Time (Begin-End)	
April 15 2021		Nikki Bottum (Biological Monitor, ERM)			0700-1800	
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment	
55	57	1 WNW	N	Good	Mostly sunny in am. Partly cloudy in pm	
Location(s) of Work Site Activities Monitored						
NRG EPS site.						
Summary of Biological Resources Monitoring Observations						
<p>Biological resources monitoring for biological constraints, special-status species, and nesting birds was conducted at the NRG EPS site.</p> <p>Nesting Bird Observations:</p> <ul style="list-style-type: none"> Feeding, incubating, and preening by adult American peregrine falcon (<i>Falco peregrinus anatum</i>; United States Fish and Wildlife Service [USFWS] Birds of Conservation Concern [BCC]; California Department of Fish and Wildlife [CDFW] Fully Protected [FP]; California Department of Forestry [CDF] Sensitive [S]) male was observed. The adult American peregrine falcons were vocalizing with each other. The adult American peregrine falcon male had one fresh kill. No agitated behaviors were observed in the American peregrine falcon pair. <p>Special-Status Species Observed:</p> <ul style="list-style-type: none"> An American peregrine falcon pair was observed. California brown pelicans (<i>Pelecanus occidentalis californicus</i>; California Department of Fish and Wildlife Service [CDFW] Fully Protected [FP]) were observed within the project vicinity. A California gull (<i>Larus californicus</i>; CDFW Watch List [WL]) was observed within the project vicinity. Double-crested cormorants (<i>Phalacrocorax auratus</i>; CDFW WL) were observed within the project vicinity. No additional special-status species were observed. <p>Other Biological Resources Observations:</p> <ul style="list-style-type: none"> No additional observations were noted. <p>Other Observations/Comments:</p> <ul style="list-style-type: none"> No other observations. 						
Items Requiring Action/Follow-up						
<ul style="list-style-type: none"> No items requiring follow-up. 						
Wildlife Species Observed						
<p>American bushtit (<i>Psaltiriparus minimus</i>), American peregrine falcon, American crow (<i>Corvus brachyrhynchos</i>), black phoebe (<i>Sayornis nigricans</i>), California brown pelican, California gull, common raven (<i>Corvus corvax</i>), double-crested cormorant, European starling (<i>Sturnus vulgaris</i>), house finch (<i>Haemorhous mexicanus</i>), mourning dove (<i>Zenaida macroura</i>), red-tailed hawk (<i>Buteo jamaicensis</i>), song sparrow (<i>Melospiza melodia</i>), tree swallow (<i>Tachycineta bicolor</i>), western gull (<i>Larus occidentalis</i>), and western kingbird (<i>Tyrannus verticalis</i>).</p>						

NRG Energy Encina Power Station (EPS) Project					
BIOLOGICAL RESOURCES					
COMPLIANCE MONITORING LOG					
Date		Monitor			Time (Begin-End)
April 16, 2021		Nikki Bottum (Biological Monitor, ERM)			0700-1800
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment
56	79	1 ENE	N	Good	Overcast
Location(s) of Work Site Activities Monitored					
NRG EPS site.					
Summary of Biological Resources Monitoring Observations					
<p>Biological resources monitoring for biological constraints, special-status species, and nesting birds was conducted at the NRG EPS site.</p> <p>Nesting Bird Observations:</p> <ul style="list-style-type: none"> Feeding, incubating, and preening was observed in both adult American peregrine falcons (<i>Falco peregrinus anatum</i>; United States Fish and Wildlife Service [USFWS] Birds of Conservation Concern [BCC]; California Department of Fish and Wildlife [CDFW] Fully Protected [FP]; California Department of Forestry [CDF] Sensitive [S]). Adult American peregrine falcons were vocalizing with each other. The adult American peregrine falcon male had one fresh kill. The adult American peregrine falcon female head was observed while on the nest. No agitated behaviors were observed with the American peregrine falcon pair. <p>Special-Status Species Observed:</p> <ul style="list-style-type: none"> An American peregrine falcon pair was observed. California brown pelicans (<i>Pelecanus occidentalis californicus</i>; California Department of Fish and Wildlife Service [CDFW] Fully Protected [FP]) were observed within the project vicinity. A California gull (<i>Larus californicus</i>; CDFW Watch List [WL]) was observed within the project vicinity. Double-crested cormorants (<i>Phalacrocorax auratus</i>; CDFW WL) were observed within the project vicinity. No additional special-status species were observed. <p>Other Biological Resources Observations:</p> <ul style="list-style-type: none"> No additional observations were noted. <p>Other Observations/Comments:</p> <ul style="list-style-type: none"> No other observations. 					
Items Requiring Action/Follow-up					
<ul style="list-style-type: none"> No items requiring follow-up. 					
Wildlife Species Observed					
<p>American peregrine falcon (<i>Falco peregrinus</i>), American crow (<i>Corvus brachyrhynchos</i>), American goldfinch (<i>Spinus tristis</i>), Anna's hummingbird (<i>Calypte anna</i>), black phoebe (<i>Sayornis nigricans</i>), California brown pelican, California ground squirrel (<i>Otospermophilus beecheyi</i>), California gull, California towhee (<i>Melospiza crissalis</i>), common raven (<i>Corvus corax</i>), desert cottontail (<i>Sylvilagus audubonii</i>), double-crested cormorant, European starling (<i>Sturnus vulgaris</i>), house finch (<i>Haemorhous mexicanus</i>), mourning dove (<i>Zenaida macroura</i>), northern mockingbird (<i>Mimus polyglottos</i>), orange-crowned warbler (<i>Vermivora celata</i>), song sparrow (<i>Melospiza melodia</i>), tree swallow (<i>Tachycineta bicolor</i>), western fence lizard (<i>Sceloporus occidentalis</i>), western gull (<i>Larus occidentalis</i>), western kingbird (<i>Tyrannus verticalis</i>), and white-crowned sparrow (<i>Zonotrichia leucophrys</i>).</p>					

NRG Energy Encina Power Station (EPS) Project					
BIOLOGICAL RESOURCES					
COMPLIANCE MONITORING LOG					
Date		Monitor			Time (Begin-End)
April 17, 2021		Melissa Fowler			09:45-12:15
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment
61	62	7	N	Good	Fair
Location(s) of Work Site Activities Monitored					
NRG EPS site.					
Summary of Biological Resources Monitoring Observations					
<p>Biological resources monitoring for biological constraints, special-status species, and nesting birds was conducted at the NRG EPS site.</p> <p>Nesting Bird Observations:</p> <ul style="list-style-type: none"> An American peregrine falcon (<i>Falco peregrinus anatum</i>; United States Fish and Wildlife Service [USFWS] Birds of Conservation Concern [BCC]; California Department of Fish and Wildlife [CDFW] Fully Protected [FP]; California Department of Forestry [CDF] Sensitive [S]) pair were exhibiting nesting behaviors. House finch (<i>Haemorrhous mexicanus</i>) and mourning dove (<i>Zenaida macroura</i>) pairs were observed within the EPS building. An American crow (<i>Corvus brachyrhynchos</i>) pair were nesting within the San Diego Gas & Electric (SDGE) switchyard. European starlings (<i>Sturnus vulgaris</i>) were exhibiting nesting behaviors in a monopole within the SCGE switchyard. No observations were noted. <p>Special-Status Species Observed:</p> <ul style="list-style-type: none"> An American peregrine falcon pair was observed. California brown pelicans (<i>Pelecanus occidentalis californicus</i>; California Department of Fish and Wildlife Service [CDFW] Fully Protected [FP]) were observed within the project vicinity. Double-crested cormorants (<i>Phalacrocorax auratus</i>; CDFW WL) were observed within the project vicinity. No additional special-status species were observed. <p>Other Biological Resources Observations:</p> <ul style="list-style-type: none"> No additional observations were noted. <p>Other Observations/Comments:</p> <ul style="list-style-type: none"> Litter was observed within the EPS site. A litter removal request was submitted to the contractor. Uncovered trash receptacles were observed. A request was submitted to cover all trash receptacles. No additional observations were noted. 					
Items Requiring Action/Follow-up					
<ul style="list-style-type: none"> A request was submitted to the contractor to conduct litter removal and to cover all trash receptacles. 					
Wildlife Species Observed					
<p>American bushtit (<i>Psaltiriparus minimus</i>), American crow, American kestrel (<i>Falco sparverius</i>), American peregrine falcon, Anna's hummingbird (<i>Calypste anna</i>), black phoebe (<i>Sayornis nigricans</i>), California brown pelican, common raven (<i>Corvus corax</i>), double-crested cormorant, European starling, house finch, lesser goldfinch (<i>Spinus psaltria</i>), mourning dove, Say's phoebe (<i>Sayornis saya</i>), song sparrow (<i>Melospiza melodia</i>), western fence lizard (<i>Sceloporus occidentalis</i>), western gull (<i>Larus occidentalis</i>), white-crowned sparrow (<i>Zonotrichia leucophrys</i>).</p>					

Photo 1



Location	EPS site	Description	An American peregrine falcon was observed.
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Photo 2



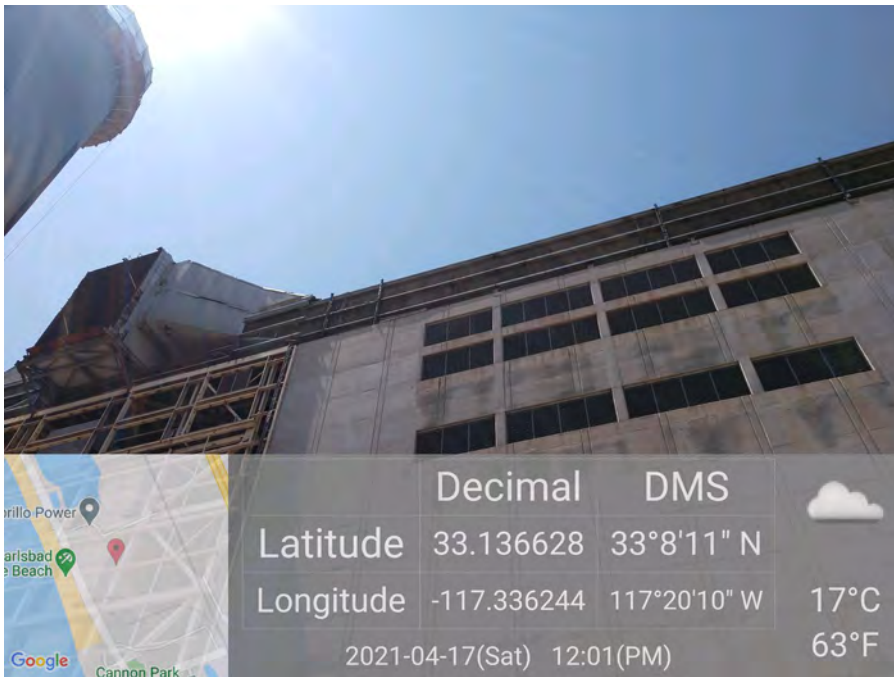
Location	EPS site	Description	Overview of the EPS building.
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Photo 3



Location	EPS site	Description	An uncovered trash can was observed.
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Photo 4



Location	EPS site	Description	House finches were observed going into the louvers.
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NRG Energy Encina Power Station (EPS) Project					
BIOLOGICAL RESOURCES					
COMPLIANCE MONITORING LOG					
Date		Monitor			Time (Begin-End)
April 17, 2021		Nikki Bottum (Biological Monitor, ERM)			0700-1800
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment
59	68	2 SSW	N	Good	Mostly cloudy (AM) and sunny (PM)
Location(s) of Work Site Activities Monitored					
NRG EPS site.					
Summary of Biological Resources Monitoring Observations					
<p>Biological resources monitoring for biological constraints, special-status species, and nesting birds was conducted at the NRG EPS site.</p> <p>Nesting Bird Observations:</p> <ul style="list-style-type: none"> Feeding, incubating, and preening was observed in both American peregrine falcon (<i>Falco peregrinus anatum</i>; United States Fish and Wildlife Service [USFWS] Birds of Conservation Concern [BCC]; California Department of Fish and Wildlife [CDFW] Fully Protected [FP]; California Department of Forestry [CDF] Sensitive [S]) adults. Adult American peregrine falcons were vocalizing with each other. Adult American peregrine falcon male had one fresh kill. Adult American peregrine falcon female head was observed while on nest. No agitated behaviors were observed with the American peregrine falcon pair. <p>Special-Status Species Observed:</p> <ul style="list-style-type: none"> The American peregrine falcon pair was observed. California brown pelicans (<i>Pelecanus occidentalis californicus</i>; CDFW FP) were observed within the project vicinity. A California gull (<i>Larus californicus</i>; CDFW Watch List [WL]) was observed within the project vicinity. Double-crested cormorants (<i>Phalacrocorax auratus</i>; CDFW WL) were observed within the project vicinity. A great egret (<i>Ardea alba</i>; CDF S) was observed within the project vicinity. No additional special-status species were observed. <p>Other Biological Resources Observations:</p> <ul style="list-style-type: none"> No additional observations were noted. <p>Other Observations/Comments:</p> <ul style="list-style-type: none"> No other observations 					
Items Requiring Action/Follow-up					
<ul style="list-style-type: none"> No items requiring follow-up 					
Wildlife Species Observed					
<p>American peregrine falcon, American crow (<i>Corvus brachyrhynchos</i>), Anna's hummingbird (<i>Calypte anna</i>), California brown pelican, California gull, common raven (<i>Corvus corvax</i>), desert cottontail (<i>Sylvilagus audubonii</i>), double-crested cormorant, European starling (<i>Sturnus vulgaris</i>), great egret, house finch (<i>Haemorhous mexicanus</i>), mourning dove (<i>Zenaida macroura</i>), song sparrow (<i>Melospiza melodia</i>), tree swallow (<i>Tachycineta bicolor</i>), western fence lizard (<i>Sceloporus occidentalis</i>), and western gull (<i>Larus occidentalis</i>).</p>					

Encina Power Station (EPS)

BIOLOGICAL RESOURCES

COMPLIANCE MONITORING LOG - OPERATIONS

Date		Monitor			Time (Begin-End)
April 19, 2021		Leigh Ann Boswell (Biological Monitor, ERM)			0720-1800
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment
55°F (start), 64°F (end)	45% (start), 72% (end)	6mph	N	Clear, no issues	Sunny, no clouds all day

Site Location(s)

Encina Power Station (EPS) site

Summary of Biological Resources Monitoring Observations

The biologist conducted monitoring of the EPS American peregrine falcon (*Falco peregrinus anatum*; United States Fish and Wildlife Service [USFWS] Birds of Conservation Concern [BCC]; California Department of Fish and Wildlife [CDFW] Fully Protected [FP]; California Department of Forestry [CDF] Sensitive [S]) nest and both adult falcons for signs of disturbance or distress during demolition work, including stack demolition, on April 19, 2021. The nest is located on the eastern side of the EPS, next to the Encina Stack. The biologist was unable to directly observe the eggs and the nest due to the height of the nest. However, from her position at the parking/laydown area located directly east of the EPS, she was able to observe both adult falcons when switching incubation duties, in flight, and perched throughout the site.

Demolition work, including demolition of the Encina Stack, occurred throughout the day, with a break from 1200-1245 when crews stopped for lunch. A 100-foot buffer has been established around the nest and no workers, except for the stack demolition crew, were observed within this buffer zone. Additional demolition work outside the buffer zone included crane and equipment movements, lifting of materials via the crane, and demolition-related noises. Additionally, at approximately 1500, the stack demolition company (Pullman) used a drone to take pictures of the stack. All drone activity was performed at the south end of the EPS, outside the buffer zone, and was short in duration. The falcons did not change behaviors in any way with the presence of the drone.

Bird/Nesting Birds Observations:

- The pair of peregrine falcons showed no observable signs of distress or disturbance throughout the day. The did not flush from the nest, give any auditory distress calls, or dive bomb employees at any point during the day.
- An adult falcon was observed to be incubating on the nest for the entire day. The adults switched the individual performing the incubation three times throughout the day. None of the switches in the incubating adult occurred following any particularly loud demolition noises at the EPS or the Encina Stack.
- The non-incubating adult was observed perched on the EPS south of the nest, in shade near the Encina Stack, for much of the day, as well as on the ledges to the north of the nest and on nearby metal poles at some points during the day.
- The birds did not appear to be startled from their perches or the nest at any time.
- The non-incubating adult was observed bringing prey to the nest and providing the prey to the incubating adult twice during the day. The incubating adult took the prey to the top of a nearby pole in the switchyard and consumed it while the other adult began incubating.

Special-Status Species Observed:

- Two American peregrine falcons were observed flying, perched, and switching incubation duties at the nest located on the eastern side of the EPS.

Other Biological Resources Observations:

- No additional observations were noted.

Other Observations/Comments:

- No additional observations were noted.

Items Requiring Action/Follow-up
<ul style="list-style-type: none">None.
Wildlife Species Observed:
American bushtit (<i>Psaltirparus minimus</i>), American crow (<i>Corvus brachyrhynchos</i>), American peregrine falcon, black phoebe (<i>Sayornis nigricans</i>), common raven (<i>Corvus corax</i>), common yellowthroat (<i>Geothlypis trichas</i>), desert cottontail (<i>Sylvilagus audubonii</i>), European starling (<i>Sturnus vulgaris</i>), house finch (<i>Haemorhous mexicanus</i>), house sparrow (<i>Passer domesticus</i>), mourning dove (<i>Zenaida macroura</i>), and white-crowned sparrow (<i>Zonotrichia leucophrys</i>).

Photo 1



Location	33.1375N, 117.3346W Facing west	Description	View of peregrine falcon nesting area and Encina stack demolition area at the beginning of 4/19/21.
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Photo 2



Location	33.1375N, 117.3350W Facing west	Description	View of peregrine falcon nesting area and Encina stack demolition area at the end of 4/19/21.
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Encina Power Station (EPS)
BIOLOGICAL RESOURCES
COMPLIANCE MONITORING LOG - OPERATIONS

Date		Monitor			Time (Begin-End)
April 20, 2021		Leigh Ann Boswell			0648-1800
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment
57°F (start), 61°F (end)	81% (start), 70% (end)	10mph	N	Clear, no issues	100% cloud cover (start), 25% cloud cover (end)

Site Location(s)

EPS site

Summary of Biological Resources Monitoring Observations

The biologist conducted monitoring of the EPS American peregrine falcon nest and both adult falcons for signs of disturbance or distress during demolition work, including stack demolition, on April 20, 2021. The nest is located on the eastern side of the EPS, next to the Encina Stack. The biologist was unable to directly observe the eggs and the nest due to the height of the nest. However, from her position at the parking/laydown area located directly east of the EPS, she was able to observe both adult falcons when switching incubation duties, in flight, and perched throughout the site.

Demolition work, including demolition of the Encina Stack, occurred throughout the day, with a break from 1200-1245 when crews stopped for lunch. A 100-foot buffer has been installed around the nest and no workers, except for the stack demolition crew, were observed within this buffer zone. Additional demolition work outside the buffer zone included crane and equipment movements, lifting of materials via the crane, and demolition-related noises. Additionally, at 1358, the stack demolition company (Pullman) used a drone to take pictures of the stack. All drone activity was performed at the south end of the EPS, outside the buffer zone, and was less than 5 minutes in duration. The falcons did not change behaviors in any way with the presence of the drone.

Bird/Nesting Birds Observations:

- The pair of peregrine falcons showed no observable signs of distress or disturbance throughout the day. They did not flush from the nest, give any auditory distress calls, or dive bomb employees at any point during the day.
- An adult falcon was observed to be incubating on the nest for the entire day. The adults switched the individual performing the incubation two times throughout the day. None of the switches in the incubating adult occurred following any particularly loud demolition noises at the Encina Power Station or the Encina Stack.
- The non-incubating adult was observed perched on the Encina Power Station ledges north of the nest or on the nearby metal pole radar dishes for the majority of the day.
- Less time was observed to be spent foraging away from the Encina Power Station than on previous observation days and no prey was observed to be consumed while the falcons were on-site. No prey was brought to the incubating adult during observations.
- The birds did not appear to be startled from their perches or the nest at any time.

Special-Status Species Observed:

- Two American peregrine falcons were observed flying, perched, and switching incubation duties at the nest located on the eastern side of the EPS.
- Double-crested cormorants (*Phalacrocorax auratus*; CDFW Watch List [WL]) were observed within the project vicinity.

Other Biological Resources Observations:

- No additional observations were noted.

Other Observations/Comments:

- No additional observations were noted.

Items Requiring Action/Follow-up
<ul style="list-style-type: none">None.
Wildlife Species Observed:
American crow (<i>Corvus brachyrhynchos</i>), American peregrine falcon, black phoebe (<i>Sayornis nigricans</i>), common raven (<i>Corvus corax</i>), double-crested cormorant, house finch (<i>Haemorrhous mexicanus</i>), house sparrow (<i>Passer domesticus</i>), European starling (<i>Sturnus vulgaris</i>), mourning dove (<i>Zenaida macroura</i>), and western gull (<i>Larus occidentalis</i>).

Photo 1



Location	33.1375N, 117.3345W Facing west	Description	View of peregrine falcon nesting area and Encina stack demolition area at the beginning of 4/20/21.
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Photo 2



Location	33.1375N, 117.3345W Facing west	Description	View of peregrine falcon nesting area and Encina stack demolition area at the end of 4/20/21.
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Encina Power Station (EPS)
BIOLOGICAL RESOURCES
COMPLIANCE MONITORING LOG - OPERATIONS

Date		Monitor			Time (Begin-End)
April 21, 2021		Leigh Ann Boswell (Biological Monitor, ERM)			0650-1800
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment
57°F (start), 57°F (end)	74% (start), 84% (end)	10 mph	Y, 0.05 inch	Rainy, but able to see	100% cloud cover (start and end)

Site Location(s)

EPS site

Summary of Biological Resources Monitoring Observations

The biologist conducted monitoring of the EPS American peregrine falcon (*Falco peregrinus anatum*; United States Fish and Wildlife Service [USFWS] Birds of Conservation Concern [BCC]; California Department of Fish and Wildlife [CDFW] Fully Protected [FP]; California Department of Forestry [CDF] Sensitive [S]) nest and both adult falcons for signs of disturbance or distress during demolition work, including stack demolition, on April 21, 2021. The nest is located on the eastern side of the EPS, next to the Encina Stack. The biologist was unable to directly observe the eggs and the nest due to the height of the nest. However, from her position at the parking/laydown area located directly east of the EPS, she was able to observe both adult falcons when switching incubation duties, in flight, and perched throughout the site. She was also able to observe when the falcons would lift their heads while on the nest to look around.

Demolition work, including demolition of the Encina Stack, occurred throughout the day, with a break from 1200-1245 when crews stopped for lunch. A 100-foot buffer has been installed around the nest and no workers, with the exception of the stack demolition crew, were observed within this buffer zone. Additional demolition work outside the buffer zone included crane and equipment movements, lifting of materials via the crane, and demolition-related noises. Additionally, 1315-1330, Brandenburg, the demolition company, accessed the basement of Unit 4, within the falcon exclusion zone to spray-paint some pillars. The falcons did not change behaviors in any way with the presence of the crew in the basement.

Bird/Nesting Birds Observations:

- The pair of peregrine falcons showed no observable signs of distress or disturbance throughout the day from the stack or EPS demolition activities. They did not flush from the nest, give any auditory distress calls, or dive bomb employees at any point during the day.
- At 1726, a small, light tan falcon or hawk of unknown species flew close to the falcon nest. Both adult peregrine falcons vocalized, flew after and attacked the intruding bird. One adult peregrine falcon returned to the nest and incubation after the bird left the EPS building vicinity. The other adult pursued the bird until it was completely off-site, then that adult returned and perched on the EPS. The Encina Stack demolition crew was already on the ground at this point in the day.
- An adult falcon was observed to be incubating on the nest for the entire day, except for the short period of time (less than 2 minutes) when the unknown raptor flew close to the nest and both adults pursued. Another short incubation break occurred when one adult brought prey and perched on the EPS. The incubating adult left the nest, took the prey, and flew off while the other adult flew to the nest to incubate. In total, an adult was off the nest for less than two minutes during this exchange as well.
- The adults switched the individual performing the incubation two times throughout the day. None of the switches in the incubating adult occurred following any particularly loud demolition noises at the Encina Power Station or the Encina Stack.
- The non-incubating adult was observed perched on the EPS ledges north of the nest for the majority of the day.
- Prey was brought to the incubating adult or nearby two times during observations, at which time the incubating adult took the prey and left the nest to consume it.
- The birds did not appear to be startled from their perches or the nest at any time by the demolition activities.

Special-Status Species Observed:

- Two American peregrine falcons were observed flying, perched, and switching incubation duties at the nest located on the eastern side of the EPS.
- Double-crested cormorants (*Phalacrocorax auratus*; CDFW WL) were observed within the project vicinity.

Other Biological Resources Observations:

- No additional observations were noted.

Other Observations/Comments:

- No additional observations were noted.

Items Requiring Action/Follow-up

- None.

Wildlife Species Observed:

American crow (*Corvus brachyrhynchos*), American peregrine falcon, black phoebe (*Sayornis nigricans*), common raven (*Corvus corax*), double-crested cormorant, European starling (*Sturnus vulgaris*), house finch (*Haemorhous mexicanus*), house sparrow (*Passer domesticus*), mourning dove (*Zenaida macroura*), and western gull (*Larus occidentalis*).

Photo 1



Location	33.1371N, 117.3342W Facing west	Description	View of peregrine falcon nesting area and Encina stack demolition area at the beginning of 4/21/21.
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NRG Energy Encina Power Station (EPS) Project

BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

Date						Monitor						Time (Begin-End)					
April 22, 2021						Nikki Bottum (Biological Monitor, ERM)						0700-1900					
Temperature (°F)		Humidity (%)		Wind (mph)		Precipitation (Y/N, amount)		Visibility		Weather Comment							
55		87		4 SW		N		Good		Overcast (AM) & partly cloudy (PM)							
Location(s) of Work Site Activities Monitored																	
NRG EPS site.																	
Summary of Biological Resources Monitoring Observations																	
<p>Biological resources monitoring for biological constraints, special-status species, and nesting birds was conducted at the NRG EPS site.</p> <p>Nesting Bird Observations:</p> <ul style="list-style-type: none"> Feeding, incubating, and preening of both adult American peregrine falcons (<i>Falco peregrinus anatum</i>; United States Fish and Wildlife Service [USFWS] Birds of Conservation Concern [BCC]; California Department of Fish and Wildlife [CDFW] Fully Protected [FP]; California Department of Forestry [CDF] Sensitive [S]) was observed. Adult American peregrine falcons were vocalizing with each other. Adult American peregrine falcon male had one fresh kill. Adult American peregrine falcon female head was observed while on the nest. No agitated behaviors in the American peregrine falcon pair were observed. <p>Special-Status Species Observed:</p> <ul style="list-style-type: none"> California brown pelicans (<i>Pelecanus occidentalis californicus</i>; CDFW FP) were observed within the project vicinity. A California gull (<i>Larus californicus</i>; CDFW Watch List [WL]) was observed within the project vicinity. Double-crested cormorants (<i>Phalacrocorax auratus</i>; CDFW WL) were observed within the project vicinity. No additional special-status species were observed. <p>Other Biological Resources Observations:</p> <ul style="list-style-type: none"> Adult raccoon (<i>Procyon lotor</i>) and kits were observed in Unit 5 behind the transmission bay. Inspected Unit 4 louvers as requested, and a stick nest was found in the south facing upper west corner. <p>Other Observations/Comments:</p> <ul style="list-style-type: none"> No other observations were noted. 																	
Items Requiring Action/Follow-up																	
<ul style="list-style-type: none"> No items requiring follow-up. 																	
Wildlife Species Observed																	
<p>American crow (<i>Corvus brachyrhynchos</i>), American peregrine falcon, Anna's hummingbird (<i>Calypete anna</i>), black phoebe (<i>Sayornis nigricans</i>), California brown pelican, California ground squirrel (<i>Otospermophilus beecheyi</i>), California gull, double-crested cormorant, European starling (<i>Sturnus vulgaris</i>), house finch (<i>Haemorhous mexicanus</i>), mourning dove (<i>Zenaida macroura</i>), northern mockingbird (<i>Mimus polyglottos</i>), raccoon, western fence lizard (<i>Sceloporus occidentalis</i>), and western gull (<i>Larus occidentalis</i>).</p>																	

NRG Energy Encina Power Station (EPS) Project

BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

Date						Monitor				Time (Begin-End)	
April 23, 2021						Nikki Bottum (Biological Monitor, ERM)				0700-1900	
Temperature (°F)		Humidity (%)		Wind (mph)		Precipitation (Y/N, amount)		Visibility		Weather Comment	
56		84		2 WSW		N		Good		Overcast (AM) & partly cloudy (PM)	
Location(s) of Work Site Activities Monitored											
NRG EPS site.											
Summary of Biological Resources Monitoring Observations											
<p>Biological resources monitoring for biological constraints, special-status species, and nesting birds was conducted at the NRG EPS site.</p> <p>Nesting Bird Observations:</p> <ul style="list-style-type: none"> Feeding, incubating, and preening of both American peregrine falcon (<i>Falco peregrinus anatum</i>; United States Fish and Wildlife Service [USFWS] Birds of Conservation Concern [BCC]; California Department of Fish and Wildlife [CDFW] Fully Protected [FP]; California Department of Forestry [CDF] Sensitive [S]) adults were observed. The adult American peregrine falcon adults were vocalizing with each other. The adult American peregrine falcon male had one fresh kill. The adult American peregrine falcon heads were observed while on nest. No agitated behaviors in the American peregrine falcon pair were observed. <p>Special-Status Species Observed:</p> <ul style="list-style-type: none"> California brown pelicans (<i>Pelecanus occidentalis californicus</i>; CDFW FP) were observed within the project vicinity. A California gull (<i>Larus californicus</i>; CDFW Watch List [WL]) was observed within the project vicinity. Double-crested cormorants (<i>Phalacrocorax auratus</i>; CDFW WL) were observed within the project vicinity. A great egret (<i>Ardea alba</i>; CDF S) was observed within the project vicinity. No additional special-status species were observed. <p>Other Biological Resources Observations:</p> <ul style="list-style-type: none"> AAAC Wildlife Removal was contacted for possible recovery and relocation of female raccoon (<i>Procyon lotor</i>) and kits on property. <p>Other Observations/Comments:</p> <ul style="list-style-type: none"> None. 											
Items Requiring Action/Follow-up											
<ul style="list-style-type: none"> House finch nest activity inspection is scheduled for tomorrow. 											
Wildlife Species Observed											
<p>Anna's hummingbird (<i>Calypte anna</i>), American bushtit (<i>Psaltiriparus minimus</i>), American crow (<i>Corvus brachyrhynchos</i>), American goldfinch (<i>Spinus tristis</i>), American peregrine falcon, black phoebe (<i>Sayornis nigricans</i>), California brown pelican, California gull, California towhee (<i>Melospiza crissalis</i>), common raven (<i>Corvus corax</i>), double-crested cormorant, European starling (<i>Sturnus vulgaris</i>), great egret, house finch (<i>Haemorrhous mexicanus</i>), mourning dove (<i>Zenaida macroura</i>), raccoon, song sparrow (<i>Melospiza melodia</i>), western gull (<i>Larus occidentalis</i>), and western fence lizard (<i>Sceloporus occidentalis</i>)</p>											

NRG Energy Encina Power Station (EPS) Project

BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

Date		Monitor			Time (Begin-End)	
April 24, 2021		Nikki Bottum (Biological Monitor, ERM)			0700-1700	
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment	
59	73	1 WNW	N	Good	Overcast in am & partly cloudy in pm	
Location(s) of Work Site Activities Monitored						
NRG EPS site.						
Summary of Biological Resources Monitoring Observations						
<p>Biological resources monitoring for biological constraints, special-status species, and nesting birds was conducted at the NRG EPS site.</p> <p>Nesting Bird Observations:</p> <ul style="list-style-type: none"> Feeding, incubating, and preening of both adult American peregrine falcons (<i>Falco peregrinus anatum</i>; United States Fish and Wildlife Service [USFWS] Birds of Conservation Concern [BCC]; California Department of Fish and Wildlife [CDFW] Fully Protected [FP]; California Department of Forestry [CDF] Sensitive [S]) were observed. Adult American peregrine falcons were vocalizing with each other. Adult American peregrine falcon male had one fresh kill. Adult American peregrine falcon head was observed while on nest. No agitated behaviors in the American peregrine falcon pair were observed. <p>Special-Status Species Observed:</p> <ul style="list-style-type: none"> American peregrine falcons were observed within the project vicinity. California brown pelicans (<i>Pelecanus occidentalis californicus</i>; CDFW FP) were observed within the project vicinity. A California gull (<i>Larus californicus</i>; CDFW Watch List [WL]) was observed within the project vicinity. Double-crested cormorants (<i>Phalacrocorax auratus</i>; CDFW WL) were observed within the project vicinity. No additional special-status species were observed. <p>Other Biological Resources Observations:</p> <ul style="list-style-type: none"> AAAC Wildlife Removal provided consultation for possible recovery and relocation of female raccoon (<i>Procyon lotor</i>) and kits from Unit 5. No other biological observations were noted. <p>Other Observations/Comments:</p> <ul style="list-style-type: none"> None. 						
Items Requiring Action/Follow-up						
<ul style="list-style-type: none"> House finch nest activity will be investigated on Monday. 						
Wildlife Species Observed						
<p>American bushtit (<i>Psaltiriparus minimus</i>), American crow (<i>Corvus brachyrhynchos</i>), American goldfinch (<i>Spinus tristis</i>), American peregrine falcon (<i>Falco peregrinus</i>), Anna's hummingbird (<i>Calypte anna</i>), black phoebe (<i>Sayornis nigricans</i>), California brown pelican, California ground squirrel (<i>Otospermophilus beechyi</i>), California gull, California towhee (<i>Melospiza crissalis</i>), desert cottontail (<i>Sylvilagus audubonii</i>), double-crested cormorant, European starling (<i>Sturnus vulgaris</i>), house finch (<i>Haemorrhous mexicanus</i>), mourning dove (<i>Zenaida macroura</i>), western fence lizard (<i>Sceloporus occidentalis</i>), western gull (<i>Larus occidentalis</i>), western kingbird (<i>Tyrannus verticalis</i>), and Wilson's warbler (<i>Cardellina pusilla</i>).</p>						

NRG Energy Encina Power Station (EPS) Project					
BIOLOGICAL RESOURCES					
COMPLIANCE MONITORING LOG					
Date		Monitor			Time (Begin-End)
April 26, 2021		Nikki Bottum (Biological Monitor, ERM)			0700-1600
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment
55	86	3 W	N	Low	Intermittent rain (AM) & partly cloudy (PM)
Location(s) of Work Site Activities Monitored					
NRG EPS site.					
Summary of Biological Resources Monitoring Observations					
<p>Biological resources monitoring for biological constraints, special-status species, and nesting birds was conducted at the NRG EPS site.</p> <p>Nesting Bird Observations:</p> <ul style="list-style-type: none"> Incubating and preening was observed in both adult American peregrine falcons (<i>Falco peregrinus anatum</i>; United States Fish and Wildlife Service [USFWS] Birds of Conservation Concern [BCC]; California Department of Fish and Wildlife [CDFW] Fully Protected [FP]; California Department of Forestry [CDF] Sensitive [S]). Feeding was observed by the female. The adult American peregrine falcons were vocalizing with each other. The American peregrine falcon adult heads were observed while on nest. No agitated behaviors in the American peregrine falcon pair were observed. <p>Special-Status Species Observed:</p> <ul style="list-style-type: none"> California brown pelicans (<i>Pelecanus occidentalis californicus</i>; California Department of Fish and Wildlife Service [CDFW] Fully Protected [FP]) were observed within the project vicinity. A California gull (<i>Larus californicus</i>; CDFW Watch List [WL]) was observed within the project vicinity. Double-crested cormorants (<i>Phalacrocorax auratus</i>; CDFW WL) were observed within the project vicinity. A great blue heron (<i>Ardea herodias</i>; CDF S) was observed within the project vicinity. No additional special-status species were observed. <p>Other Biological Resources Observations:</p> <ul style="list-style-type: none"> No other biological observations were noted. <p>Other Observations/Comments:</p> <ul style="list-style-type: none"> AAAC set up trap baited with food for live recovery of female raccoon (<i>Procyon lotor</i>). Regular inspection schedule set up to check trap. A house finch (<i>Haemorhous mexicanus</i>) nest was determined inactive. 					
Items Requiring Action/Follow-up					
<ul style="list-style-type: none"> No items requiring follow-up 					
Wildlife Species Observed					
<p>American bushtit (<i>Psaltiriparus minimus</i>), American crow (<i>Corvus brachyrhynchos</i>), American goldfinch (<i>Spinus tristis</i>), American peregrine falcon (<i>Falco peregrinus</i>), Anna's hummingbird (<i>Calypte anna</i>), Ash-throated flycatcher (<i>Myiarchus cinerascens</i>), California brown pelican, California gull, common raven (<i>Corvus corax</i>), double-crested cormorant, European starling (<i>Sturnus vulgaris</i>), great blue heron, house finch, mourning dove (<i>Zenaida macroura</i>), raccoon, song sparrow (<i>Melospiza melodia</i>), western fence lizard (<i>Sceloporus occidentalis</i>), western gull (<i>Larus occidentalis</i>), and western kingbird (<i>Tyrannus verticalis</i>).</p>					

NRG Energy Encina Power Station (EPS) Project

BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

NRG Energy Encina Power Station (EPS) Project					
BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG					
Date		Monitor			Time (Begin-End)
April 27, 2021		Nikki Bottum (Biological Monitor, ERM)			0700-1715
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment
48	73	1 WSW	N	Good	Partly cloudy (AM) & sunny (PM)
Location(s) of Work Site Activities Monitored					
NRG EPS site.					
Summary of Biological Resources Monitoring Observations					
<p>Biological resources monitoring for biological constraints, special-status species, and nesting birds was conducted at the NRG EPS site.</p> <p>Nesting Bird Observations:</p> <ul style="list-style-type: none"> Incubating and preening was observed by both adult American peregrine falcons (<i>Falco peregrinus anatum</i>; United States Fish and Wildlife Service [USFWS] Birds of Conservation Concern [BCC]; California Department of Fish and Wildlife [CDFW] Fully Protected [FP]; California Department of Forestry [CDF] Sensitive [S]). Feeding by male was observed. Adult American peregrine falcon male had one fresh kill. Adult American peregrine falcon female head was observed while on nest. No agitated behaviors in the American peregrine falcon pair were observed. No predatory behaviors were observed. <p>Special-Status Species Observed:</p> <ul style="list-style-type: none"> An American peregrine falcon pair was observed. California brown pelicans (<i>Pelecanus occidentalis californicus</i>; CDFW FP) were observed within the project vicinity. A California gull (<i>Larus californicus</i>; CDFW Watch List [WL]) was observed within the project vicinity. Double-crested cormorants (<i>Phalacrocorax auratus</i>; CDFW WL) were observed within the project vicinity. No additional special-status species were observed. <p>Other Biological Resources Observations:</p> <ul style="list-style-type: none"> No other biological observations <p>Other Observations/Comments:</p> <ul style="list-style-type: none"> Raccoon (<i>Procyon lotor</i>) trap is empty. Female raccoon and kits remain sheltered in original location. Bait still present. 					
Items Requiring Action/Follow-up					
<ul style="list-style-type: none"> No items requiring follow-up. 					
Wildlife Species Observed					
<p>American bushtit (<i>Psaltiriparus minimus</i>), American crow (<i>Corvus brachyrhynchos</i>), American goldfinch (<i>Spinus tristis</i>), American peregrine falcon, black phoebe (<i>Sayornis nigricans</i>), California brown pelican, California gull, California towhee (<i>Melospiza crissalis</i>), common raven (<i>Corvus corax</i>), double-crested cormorant, European starling (<i>Sturnus vulgaris</i>), house finch (<i>Haemorhous mexicanus</i>), mallard (<i>Anas platyrhynchos</i>), mourning dove (<i>Zenaida macroura</i>), song sparrow (<i>Melospiza melodia</i>), tree swallow (<i>Tachycineta bicolor</i>), western fence lizard (<i>Sceloporus occidentalis</i>), western gull (<i>Larus occidentalis</i>), and western kingbird (<i>Tyrannus verticalis</i>).</p>					

NRG Energy Encina Power Station (EPS) Project					
BIOLOGICAL RESOURCES					
COMPLIANCE MONITORING LOG					
Date		Monitor			Time (Begin-End)
April 28, 2021		Nikki Bottum (Biological Monitor, ERM)			0700-1730
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment
48	75	0	N	Good	sunny
Location(s) of Work Site Activities Monitored					
NRG EPS site.					
Summary of Biological Resources Monitoring Observations					
<p>Biological resources monitoring for biological constraints, special-status species, and nesting birds was conducted at the NRG EPS site.</p> <p>Nesting Bird Observations:</p> <ul style="list-style-type: none"> Incubating, feeding, and preening was observed with both American peregrine falcon (<i>Falco peregrinus anatum</i>; United States Fish and Wildlife Service [USFWS] Birds of Conservation Concern [BCC]; California Department of Fish and Wildlife [CDFW] Fully Protected [FP]; California Department of Forestry [CDF] Sensitive [S]) adults. Adult American peregrine falcon male had one fresh kill. Adult American peregrine falcon heads were observed while on the nest. Confirmed one American peregrine falcon chick hatchling via Duanne Dunn with Pullman. No agitated behaviors in the American peregrine falcon pair were observed. No predatory behaviors were observed. <p>Special-Status Species Observed:</p> <ul style="list-style-type: none"> American peregrine falcons were observed. California brown pelicans (<i>Pelecanus occidentalis californicus</i>; CDFW FP) were observed within the project vicinity. A California gull (<i>Larus californicus</i>; CDFW Watch List [WL]) was observed within the project vicinity. Double-crested cormorants (<i>Phalacrocorax auratus</i>; CDFW WL) were observed within the project vicinity. A great blue heron (<i>Ardea herodias</i>; CDF S) was observed within the project vicinity. A great egret (<i>Ardea alba</i>; CDF S) was observed within the project vicinity. No additional special-status species were observed. <p>Other Biological Resources Observations:</p> <ul style="list-style-type: none"> No other biological observations <p>Other Observations/Comments:</p> <ul style="list-style-type: none"> Raccoon (<i>Procyon lotor</i>) trap is empty. Female raccoon and kits remain sheltered in original location. Bait still present. 					
Items Requiring Action/Follow-up					
<ul style="list-style-type: none"> Raccoon trapping is ongoing. 					
Wildlife Species Observed					
<p>American crow (<i>Corvus brachyrhynchos</i>), American goldfinch (<i>Spinus tristis</i>), American peregrine falcon, Anna's hummingbird (<i>Calypte anna</i>), Ash-throated flycatcher (<i>Myiarchus cinerascens</i>), California brown pelican, California gull, cliff swallow (<i>Petrochelidon pyrrhonota</i>), common raven (<i>Corvus corax</i>), double-crested cormorant, European starling (<i>Sturnus vulgaris</i>), great blue heron, great egret, hooded Oriole (<i>Icterus cucullatus</i>), house finch (<i>Haemorhous mexicanus</i>), mourning dove (<i>Zenaida macroura</i>), raccoon, song sparrow (<i>Melospiza melodia</i>), western fence lizard (<i>Sceloporus occidentalis</i>), and western gull (<i>Larus occidentalis</i>).</p>					

NRG Energy Encina Power Station (EPS) Project

BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

Date		Monitor			Time (Begin-End)	
April 29, 2021		Nikki Bottum (Biological Monitor, ERM)			0700-1715	
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment	
54	57	0	N	Good	Sunny. High of 72	
Location(s) of Work Site Activities Monitored						
NRG EPS site.						
Summary of Biological Resources Monitoring Observations						
Biological resources monitoring for biological constraints, special-status species, and nesting birds was conducted at the NRG EPS site.						
Nesting Bird Observations: <ul style="list-style-type: none"> Incubating, feeding, and preening of both adult American peregrine falcons (<i>Falco peregrinus anatum</i>; United States Fish and Wildlife Service [USFWS] Birds of Conservation Concern [BCC]; California Department of Fish and Wildlife [CDFW] Fully Protected [FP]; California Department of Forestry [CDF] Sensitive [S]) were observed. Adult American peregrine falcon male had three fresh kills. Adult American peregrine falcon heads were observed while on nest (one time together). Adult American peregrine falcons were vocalizing with each other. No agitated behaviors in the American peregrine falcon pair were observed. No predatory behaviors were observed. 						
Special-Status Species Observed: <ul style="list-style-type: none"> American peregrine falcons were observed within the project vicinity. California brown pelicans (<i>Pelecanus occidentalis californicus</i>; CDFW FP) were observed within the project vicinity. A California gull (<i>Larus californicus</i>; CDFW Watch List [WL]) was observed within the project vicinity. Double-crested cormorants (<i>Phalacrocorax auratus</i>; CDFW WL) were observed within the project vicinity. A great blue heron (<i>Ardea herodias</i>; CDF S) was observed within the project vicinity. A great egret (<i>Ardea alba</i>; CDF S) was observed within the project vicinity. No additional special-status species were observed. 						
Other Biological Resources Observations: <ul style="list-style-type: none"> No other biological observations 						
Other Observations/Comments: <ul style="list-style-type: none"> Raccoon (<i>Procyon lotor</i>) trap is empty. Female raccoon and kits remain sheltered in original location. Bait still present. 						
Items Requiring Action/Follow-up						
<ul style="list-style-type: none"> Raccoon trapping is ongoing. 						
Wildlife Species Observed						
American bushtit (<i>Psaltiriparus minimus</i>), American crow (<i>Corvus brachyrhynchos</i>), American goldfinch (<i>Spinus tristis</i>), American peregrine falcon, California brown pelican, Anna's hummingbird (<i>Calypete anna</i>), California gull, cliff swallow (<i>Petrochelidon pyrrhonota</i>), common raven (<i>Corvus corax</i>), double-crested cormorant, European starling (<i>Sturnus vulgaris</i>), great blue heron, great egret, hooded Oriole (<i>Icterus cucullatus</i>), house finch (<i>Haemorhous mexicanus</i>), mallard (<i>Anas platyrhynchos</i>), mourning dove (<i>Zenaida macroura</i>), western fence lizard (<i>Sceloporus occidentalis</i>), western gull (<i>Larus occidentalis</i>), western kingbird (<i>Tyrannus verticalis</i>), and Wilson's warbler (<i>Cardellina pusilla</i>).						

NRG Energy Encina Power Station (EPS) Project					
BIOLOGICAL RESOURCES					
COMPLIANCE MONITORING LOG					
Date		Monitor			Time (Begin-End)
April 30, 2021		Nikki Bottum (Biological Monitor, ERM)			0700-1715
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment
61	52	2 E	N	Good	Sunny. High of 72
Location(s) of Work Site Activities Monitored					
NRG EPS site.					
Summary of Biological Resources Monitoring Observations					
<p>Biological resources monitoring for biological constraints, special-status species, and nesting birds was conducted at the NRG EPS site.</p> <p>Nesting Bird Observations:</p> <ul style="list-style-type: none"> Brooding, feeding, and preening of both American peregrine falcon (<i>Falco peregrinus anatum</i>; United States Fish and Wildlife Service [USFWS] Birds of Conservation Concern [BCC]; California Department of Fish and Wildlife [CDFW] Fully Protected [FP]; California Department of Forestry [CDF] Sensitive [S]) adults were observed (Incubating if eggs still). Adult American peregrine falcon male had two fresh kills. Adult American peregrine falcon heads were observed while on nest. Adult American peregrine falcons were vocalizing with each other. One nestling has been confirmed nestling. No agitated behaviors in the American peregrine falcon pair were observed. No predatory behaviors were observed. <p>Special-Status Species Observed:</p> <ul style="list-style-type: none"> California brown pelicans (<i>Pelecanus occidentalis californicus</i>; California Department of Fish and Wildlife Service [CDFW] Fully Protected [FP]) were observed within the project vicinity. A California gull (<i>Larus californicus</i>; CDFW Watch List [WL]) was observed within the project vicinity. Double-crested cormorants (<i>Phalacrocorax auratus</i>; CDFW WL) were observed within the project vicinity. A great blue heron (<i>Ardea herodias</i>; CDF S) was observed within the project vicinity. A great egret (<i>Ardea alba</i>; CDF S) was observed within the project vicinity. No additional special-status species were observed. <p>Other Biological Resources Observations:</p> <ul style="list-style-type: none"> No other biological resource observations were noted. <p>Other Observations/Comments:</p> <ul style="list-style-type: none"> Raccoon (<i>Procyon lotor</i>) trap is empty. Female raccoon and kits remain sheltered in original location. Bait still present. 					
Items Requiring Action/Follow-up					
<ul style="list-style-type: none"> Raccoon trapping is ongoing. 					
Wildlife Species Observed					
<p>American bushtit (<i>Psaltiriparus minimus</i>), American crow (<i>Corvus brachyrhynchos</i>), American goldfinch (<i>Spinus tristis</i>), American peregrine falcon, Anna's hummingbird (<i>Calypte anna</i>), black-chinned hummingbird (<i>Archilochus alexandri</i>), black phoebe (<i>Sayornis nigricans</i>), California brown pelican, California ground squirrel (<i>Otospermophilus beecheyi</i>), California gull, cliff swallow (<i>Petrochelidon pyrrhonota</i>), desert cottontail (<i>Sylvilagus audubonii</i>), double-crested cormorant, European starling (<i>Sturnus vulgaris</i>), great blue heron, great egret, house finch (<i>Haemorhous mexicanus</i>), mallard (<i>Anas platyrhynchos</i>), mourning dove (<i>Zenaida macroura</i>), song sparrow (<i>Melospiza melodia</i>), tree swallow (<i>Tachycineta bicolor</i>), western fence lizard (<i>Sceloporus occidentalis</i>), western gull (<i>Larus occidentalis</i>), and Wilson's warbler (<i>Cardellina pusilla</i>).</p>					

Appendix B
Observed Wildlife Species List

**Observed Wildlife Species List April 2021
Encina Power Station**

Common Name	Scientific Name	Status Federal/State/Other
Birds		
American bushtit	<i>Psaltirparus minimus</i>	--/--/--
American crow	<i>Corvus brachyrhynchos</i>	--/--/--
American goldfinch	<i>Spinus tristis</i>	--/--/--
American kestrel	<i>Falco sparverius</i>	--/--/--
American peregrine falcon	<i>Falco peregrinus anatum</i>	BCC/FP/CDF: S
Anna's hummingbird	<i>Calypte anna</i>	--/--/--
Ash-throated flycatcher	<i>Myiarchus cinerascens</i>	--/--/--
Black-chinned hummingbird	<i>Archilochus alexandri</i>	--/--/--
Black phoebe	<i>Sayornis nigricans</i>	--/--/--
California brown pelican	<i>Pelecanus occidentalis californicus</i>	--/FP/--
California gull	<i>Larus californicus</i>	--/WL/--
California towhee	<i>Melospiza crissalis</i>	--/--/--
Cliff swallow	<i>Petrochelidon pyrrhonota</i>	--/--/--
Common raven	<i>Corvus corax</i>	--/--/--
Common yellowthroat	<i>Geothlypis trichas</i>	--/--/--
Double-crested cormorant	<i>Phalacrocorax auratus</i>	--/WL/--
European starling	<i>Sturnus vulgaris</i>	--/--/--
Great blue heron	<i>Ardea herodias</i>	--/--/CDF: S
Great egret	<i>Ardea alba</i>	--/--/CDF: S
Heermann's gull	<i>Larus heermanni</i>	--/--/--
House finch	<i>Haemorhous mexicanus</i>	--/--/--
Hooded oriole	<i>Icterus cucullatus</i>	--/--/--
House sparrow	<i>Passer domesticus</i>	--/--/--
Lesser goldfinch	<i>Spinus psaltria</i>	--/--/--
Mallard	<i>Anas platyrhynchos</i>	--/--/--
Mourning dove	<i>Zenaida macroura</i>	--/--/--
Northern mockingbird	<i>Mimus polyglottos</i>	--/--/--
Orange-crowned warbler	<i>Vermivora celata</i>	--/--/--
Red-tailed hawk	<i>Buteo jamaicensis</i>	--/--/--
Royal tern	<i>Thalasseus maximus</i>	--/--/--
Say's phoebe	<i>Sayornis saya</i>	--/--/--
Song sparrow	<i>Melospiza melodia</i>	--/--/--
Tree swallow	<i>Tachycineta bicolor</i>	--/--/--
Western gull	<i>Larus occidentalis</i>	--/--/--
Western kingbird	<i>Tyrannus verticalis</i>	--/--/--
White-crowned sparrow	<i>Zonotrichia leucophrys</i>	--/--/--
Wilson's warbler	<i>Cardellina pusilla</i>	--/--/--

Mammals

California ground squirrel	<i>Otospermophilus beecheyi</i>	--/--/--
Desert cottontail	<i>Sylvilagus audubonii</i>	--/--/--
Raccoon	<i>Procyon lotor</i>	--/--/--

Reptiles

Western fence lizard	<i>Sceloporus occidentalis</i>	--/--/--
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Source:

California Department of Fish and Wildlife (CDFW), Natural Diversity Database. November 2020. Special Animals List. Periodic publication. 116 pp.

Status Codes:

If status codes are not provided, it indicates that the observed species is not a special-status species.

Federal:

FE = Federally listed Endangered: species in danger of extinction throughout a significant portion of its range

FT = Federally listed Threatened: species likely to become endangered within the foreseeable future

BCC = Birds of Conservation Concern

State:

SE = State listed as Endangered

ST = State listed as Threatened

FP = Fully Protected

CSC = California Species of Special Concern Species of concern to California Department of Fish and Wildlife (CDFW) because of declining population levels, limited ranges, and/or continuing threats have made them vulnerable to extinction.

S = Sensitive

WL = Watch List

SP = Special Animals List

Other:

- Bureau of Land Management (BLM), United States Department of Interior – Sensitive (S)

- California Department of Forestry and Fire Protection (CDF) classifies “sensitive species” as those species that warrant special protection during timber operations.

- North American Bird Conservation Initiative (NABCI) - Red Watch List (RWL)

- United States Forest Service (USFS) – Sensitive (S)

Appendix C
Wildlife Observation Forms

NRG Energy Encina Power Station (EPS)
Wildlife Observation Form (WOF)

To be filled out by personnel who find active nest sites, wildlife dens, dead and/or injured wildlife, or other biological resources during daily construction activities and to document predation events. If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1173 or melissa.n.fowler@gmail.com.

Date	Observer	Observer's Employer
April 3, 2021	Madeline Johnson	Brandenburg
Location of Observation		
EPS site		
Wildlife Species	Condition of Wildlife (alive/dead)	
American peregrine falcon (<i>Falco peregrinus anatum</i>)	Alive	
Cause of Injury or Mortality (Don't speculate, If unknown, enter "unknown")		
Not Applicable		
Current Location of Animal		
The American peregrine falcon pair has an active nest with four eggs on the eastern side of the EPS building. A 100-foot Environmentally Sensitive Area (ESA) buffer was established.		
Is the Biological Resource in Danger of Being Impacted by Project or Other Site Activities?		
Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
If Yes, Explain		
Additional Comments		
On April 2, 2021, the Designated Biologist noticed the American peregrine falcon pair was not as active. She requested that a man-lift check be conducted to determine if eggs were present or not.		

NRG Energy Encina Power Station (EPS)

Wildlife Observation Form (WOF)

To be filled out by personnel who find active nest sites, wildlife dens, dead and/or injured wildlife, or other biological resources during daily construction activities and to document predation events. If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1173 or melissa.n.fowler@gmail.com.

Date	Observer	Observer's Employer
April 8, 2021	Madeline Johnson	Brandenburg
Location of Observation		
EPS site – Unit 5		
Wildlife Species	Condition of Wildlife (alive/dead)	
House finch (<i>Haemorhous mexicanus</i>)	Alive	
Cause of Injury or Mortality (Don't speculate, If unknown, enter "unknown")		
Not Applicable		
Current Location of Animal		
Two active house finch nests were identified, and 25-foot buffers were established around the nests.		
Is the Biological Resource in Danger of Being Impacted by Project or Other Site Activities?		
Yes	<input type="checkbox"/>	No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
If Yes, Explain		
Additional Comments		

NRG Energy Encina Power Station (EPS)
Wildlife Observation Form (WOF)

To be filled out by personnel who find active nest sites, wildlife dens, dead and/or injured wildlife, or other biological resources during daily construction activities and to document predation events. If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1173 or melissa.n.fowler@gmail.com.

Date	Observer	Observer's Employer
April 14, 2021	Nikki Bottum	ERM
Location of Observation		
EPS site		
Wildlife Species	Condition of Wildlife (alive/dead)	
House finch (<i>Haemorhous mexicanus</i>)	Injured	
Cause of Injury or Mortality (Don't speculate, If unknown, enter "unknown")		
Unknown		
Current Location of Animal		
The injured house finch was picked up by Project Wildlife and transported to a rehabilitation facility.		
Is the Biological Resource in Danger of Being Impacted by Project or Other Site Activities?		
Yes	<input type="checkbox"/>	No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
If Yes, Explain		
Additional Comments		

NRG Energy Encina Power Station (EPS)
Wildlife Observation Form (WOF)

To be filled out by personnel who find active nest sites, wildlife dens, dead and/or injured wildlife, or other biological resources during daily construction activities and to document predation events. If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1173 or melissa.n.fowler@gmail.com.

Date	Observer	Observer's Employer
April 28, 2021	Madeline Johnson	Brandenburg
Location of Observation		
EPS site – transmission bay		
Wildlife Species	Condition of Wildlife (alive/dead)	
House finch (<i>Haemorhous mexicanus</i>)	Alive	
Cause of Injury or Mortality (Don't speculate, If unknown, enter "unknown")		
Not Applicable		
Current Location of Animal		
Two active house finch nests were identified, and 25-foot buffers were established around the nests.		
Is the Biological Resource in Danger of Being Impacted by Project or Other Site Activities?		
Yes	<input type="checkbox"/>	No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
If Yes, Explain		
Additional Comments		

ATTACHMENT E

**CUL-5 AND PAL-5
CERTIFICATION OF COMPLETION,
WORKER ENVIRONMENTAL AWARENESS PROGRAM,
APRIL 2021**

No WEAP training required in April 2021

ATTACHMENT F

**CUL-6/PAL-6
PALEONTOLOGICAL RESOURCE MONITORING
APRIL 2021**

No monitoring required in April 2021

ATTACHMENT G

**NOISE-2/COM-11
SUMMARY TABLE OF NOISE HOTLINE CALLS
AND PROJECT RELATED COMPLAINTS
APRIL 2021**

**Encina Power Station Demolition
Noise Hotline Calls
September 2019 through April 2021**

Date	Time	Log Number	Caller	Issue	Returned Call / Resolution	Corrective Action Completion Date
10/2/2020	10:48 AM	10022020-1	Michelle Peters - Poseidon - email	Carlsbad Desalination Plant inquired about visible emissions during demolition/equipment cutting activities.	Cabrillo Power I LLC responded on 10/2/2020 via email and have continued communications with Poseidon/Carlsbad Desalination Plant. Measures to reduce visible emissions and monitoring (personal and visible emissions estimator) have been implemented and continue to be evaluated.	10/14/2020 - Issue resolved
10/13/2020	6:43 PM	10132020-1	Mr. Halpin - Hotline Call	Community member walking along the western perimeter of Encina, along Carlsbad Blvd, called with concerns about smelling fumes from the demolition activities.	Caller was contacted and the odor issue was discussed. Odor was related to demolition activities associated with cutting the generators. Additional industrial fans have been placed within the power block building during these cutting activities.	10/14/2020 - Issue resolved
10/28/2020	Unk	10282020-2	California OSHA - Letter dated October 22, 2020 and received on October 28, 2020	Letter from CA OSHA regarding anonymous complaint that demolition project was in violation of five (5) separate California Title 8 Code of Regulations.	Cabrillo Power I LLC provided a written response to CA OSHA on November 6, 2020, which individually addressed and provided evidence to support compliance with each of the five (5) California Title 8 Code of Regulations which were alleged to be non-compliant.	11/6/2020 - Issue resolved
11/5/2020	2:38 PM	11052020-2	Tina Carter- SDG&E - Called Cabrillo directly	Mrs. Tina Carter, an employee of SDG&E contacted Encina Power Station directly regarding a complaint she received from an SDG&E Storeroom employee at the Cannon Road SDG&E service center. The storeroom employee was concerned with the air quality of the air he was breathing as he observed smoke emanating from the Encina Power Station powerblock.	In response to the complaint, SDG&E was contacted and informed the work had been discontinued for the remainder of the day. NRG's Air Quality Compliance Manager for the demolition project suspended cutting/torching activities, known as "shotgunning" that use the larger diameter cutting rods, due to the current ambient weather conditions. Mitigation measures were implemented with numerous fans and short duration cutting periods, but may not have been sufficient due the changing ambient weather conditions. A Visible Emissions Evaluator (VEE) was also monitoring and visible emissions were not observed that exceed SDAPCD Rule 50 or criteria in AQ-SC3 or AQ-SC4.	Phone call - 11/05/2020 @2:51PM Issue resolved

**Encina Power Station Demolition
Noise Hotline Calls
September 2019 through April 2021**

Date	Time	Log Number	Caller	Issue	Returned Call / Resolution	Corrective Action Completion Date
11/6/2020	1:06PM	11062020-3	Michelle Peters - Poseidon - email	Mrs. Michelle Peters an employee of Poseidon's Desalination Facility emailed Encina Power Station regarding a complaint she received from Poseidon contracted employees regarding concerns related to air quality and a "metallic" odor in the air as a result of smoke emanating from the Encina Power Station powerblock during demolition activities entailing equipment cutting.	In response to the complaint, NRG's Air Quality Compliance Manager responded to Mrs. Peters and explained that the cutting process has been completed, and will not recommence until January 2021. Personal monitoring has been conducted inside the turbine hall and outside during these activities. Area monitoring has been conducted at monitoring stations near Encina gates 2 and 3. Personal and area monitoring stations within the building have recorded data that have been below CA OSHA permissible exposure limits (PELs) for dust and the several monitored metals, including lead, arsenic, and cadmium. Mitigation measures were implemented with numerous fans and short duration cutting periods, but may not have been sufficient due to the direction of the wind. A Visible Emissions Evaluator (VEE) was also monitoring and visible emissions were not observed that exceed SDAPCD Rule 50 or criteria in AQ-SC3 or AQ-SC4	Initial Email response on 11/10/2020 - Final email response on 12/4/2020 - Issue Resolved
11/24/2020	12:00PM	11242020-5	Kristin Hamon - SDG&E- Emailed Cabrillo directly	Mrs. Kristin Hamon, an employee of SDG&E contacted Encina Power Station via email regarding a complaint she received from an SDG&E employee at the Cannon Road SDG&E service center. The employee was concerned with the air quality and when the activities causing the air quality concerns would cease. The question of what Prop 65 exposures to SDG&E employees were occurring at or around the property lines was asked.	The emissions that the SDG&E employee noted were from typical torch cutting of equipment in the basement. The cutting had been conducted during the morning and was completed by the early afternoon. There was a 10-15 mph southwest wind that was present during the cutting which would have moved any emissions away from the SDG&E Cannon Service Center. In response to the complaint, NRG's Air Quality Compliance Manager for the demolition project confirmed that mitigation measures were implemented with numerous fans operating. No visible emissions were observed leaving the Encina power block according to site personnel contacted after the complaint. SDG&E was contacted and informed the work had been discontinued for the remainder of the day, and would not resume again until after the Thanksgiving Holiday period. SDG&E was also informed that prior results from similar activities have indicated results below PELs for Prop 65 listed metals (arsenic, cadmium, chromium and lead).	Email response on 11/24/2020 - Issue resolved

**Encina Power Station Demolition
Noise Hotline Calls
September 2019 through April 2021**

Date	Time	Log Number	Caller	Issue	Returned Call / Resolution	Corrective Action Completion Date
11/30/2020	2:41PM	N/A	Terry Cook	Ms. Cook's father was one of the first operators at Encina Power Station. She heard that she may be able to get a piece of the demolition material. She asked if she could have a piece of the demolition material? Would like a call back.	Ms. Cook was contacted and informed that no decisions regarding these types of special requests have been considered yet. The project committed to staying in touch, and communicated that the project will be in a better position during the Summer of 2021 to consider these requests more fully.	Email and phone response on 12/04/2020 - ongoing review
1/7/2021	11:37PM	01072021-7	Kerry Siekmann - Terramar Community Member	Ms. Siekmann contacted the Carlsbad Energy Center Noise Hotline at 11:37PM rather than the Encina Demolition Hotline to indicate that the FAA lights on the Stack/Chimney were not on/illuminated. She expressed a safety concern for aircraft that would rely on the stack lights. Heavy fog was present during Ms. Siekman observations.	Encina Power Station confirmed by inspection of security camera footage at 11:38 PM and 11:43 PM from Carlsbad Energy Center that the FAA stack lights were orking/illuminated. Ms. Siekmann was texted at 11:57 PM that the lights were confirmed to be on/working. Ms. Siekmann responded on January 8 at 9:11 AM that the lights were not visible. Following Ms. Siekmann's text, the lights were again confirmed to be working.	Text response on 01/07/2021 - Issue resolved
1/19/2021	4:00PM	01192021-6	SDAPCD Inspector - Jason LaBlond on behalf of local community member	On January 26, 2021 the San Diego Air Pollution Control District (SDAPCD) notified Encina that a jogger running on Carlsbad Boulevard between 10:00 and 10:30PM on the night of January 19, 2021 complained of an odor and burning eyes. The project's demolition contractor was cutting the Unit 3 stator with a smaller propane/oxygen torch within the powerbock building. Santa Ana-type winds (offshore winds from east to west toward Carlsbad Blvd) were apparent according to NRG personnel who were onsite observing the work and wind direction. Industrial fans were used during torch cutting of the stator to help dissipate potential odors. Cutting was also done intermittently to minimize potential for accumulation of odors or visible emissions. This specific cutting work was conducted from January 19-26, 2021, and no other complaints were reported during this period. This cutting work has been completed.	The SDAPCD inspector was contacted and the work that was being performed was described. The inspector understood the type of activity that was taking place, and had no other questions.	Verbal communication with the SDAPCD inspector 01/27/2021 - Issue resolved

ATTACHMENT H

**TRANS-5
ROADWAY INSPECTION
APRIL 2021**

***There was no heavy construction-equipment traffic for demolition of
Encina Power Station in April 2021***

ATTACHMENT I

TRANS-6
TRANSPORTATION PERMITS
APRIL 2021

**ATTACHMENT J
TRANS-8
TRAFFIC ENCROACHMENT PERMITS
APRIL 2021**

No traffic encroachment permits were obtained in April 2021

ATTACHMENT K

**SOIL&WATER-2
CONSTRUCTION WATER USAGE SUMMARY**

**SOIL&WATER-9
WASTEWATER SUMMARY**

SOIL&WATER-2
Amended Carlsbad Energy Center Project
07-AFC-06C

Water use Summary, April 2021.

Phase IV Demolition (Started December 2019)

Potable Water Used*: 370,087 gallons

Reclaim Water Used**: 475,450 gallons

Completed Phase(s)

Phase I Demolition (Completed December 2016)

Potable Water Used: 612,700 gallons

Reclaim Water Used: 0 gallons

Phase II Construction Total Water Use (Completed December 2018)

Potable Water Used: 6,575,440 gallons

Reclaim Water Used: 13,145,265 gallons

Phase III Decommissioning (Completed December 2019)

Potable Water Used*: 0 gallons

Reclaim Water Used**: 0 gallons

Cumulative Water Use Phase I, II, III, IV

Potable Water Used: 7,483,307 gallons

Reclaim Water Used: 13,620,715 gallons

*Potable use includes sanitary, hydrotesting, landscape irrigation, and other plant operations, including Phase III Decommissioning and Phase IV Demolition not suitable for reclaim water use (worker contact applications).

**Reclaim use includes dust control and compaction.

SOIL&WATER-9
Amended Carlsbad Energy Center Project
07-AFC-06C

Wastewater Generation and Disposal Summary
Construction Phase

ACECP did not generate or dispose of any wastewater offsite in April 2021.

ATTACHMENT L

**GEN-2 and TSE-1
MASTER DRAWING LIST UPDATE
APRIL 2021**

No master drawing list exists for demolition in April 2021

ATTACHMENT M

**GEN-3
PROOF OF PAYMENT TO DCBO
APRIL 2021**



WEST COAST CODE CONSULTANTS, Inc.

5000 Executive Parkway, Suite 510

San Ramon, CA 94583

Federal Tax ID #20-4707579

Tel: (925) 275-1700 Fax: (925) 275-0600

E-Mail: LisaK@wc-3.com

NRG Energy Inc
112 Telly Street
New Roads, LA 70760

Email: invoices@nrg.com, Ralph.Wagner@nrg.com

Date:	May 10, 2021
Invoice No. :	221-04-CARL-01
Due Date:	Upon Receipt
PO Number:	4501900578

Type of Service: Delegate Building Official Services

Project: Carlsbad Energy Project
April-2021

Field Inspection

S. Hermsmeyer - DCBO	Hours	Unit	Per Diem Rate	Rate	Amount
Regular Hours	25.00			\$240.00	\$ 6,000.00
OT Hours	0.00			\$360.00	\$ -
Dbl. OT Hours	0.00			\$480.00	\$ -
Lodging				\$	\$ -
Meals				\$	\$ 30.00
Gas				\$	\$ -
Gary Ray - Onsite Inspector	Hours	Unit		Rate	Amount
Regular Hours	0.00			\$170.00	\$ -
Airfare				\$	\$ -
Lodging				\$	\$ -
Meals				\$	\$ -
Rental Car				\$	\$ -
Parking				\$	\$ -
Gas				\$	\$ -
CBO Staff & Consultants					
CBO - G. Senaratne	0.00			\$ 315.00	\$ -
Airfare				\$	\$ -
Lodging				\$	\$ -
Meals				\$	\$ -
Rental Car				\$	\$ -
Parking				\$	\$ -
Gas				\$	\$ -
CBO - Chris Kimball	2.50			\$ 315.00	\$ 787.50
Airfare				\$	\$ -
Lodging				\$	\$ -
Meals				\$	\$ -
Rental Car				\$	\$ -
Parking				\$	\$ -
Gas				\$	\$ -
Fire Marshal	0.00			\$ 315.00	\$ -
Lead Structural Plan Review Engineer	0.00			\$ 240.00	\$ -
Lead Electrical Plan Review Engineer	0.00			\$ 240.00	\$ -
Lead Mechanical Plan Review Engineer	0.00			\$ 240.00	\$ -
Lead Civil/Geology Plan Review Engineer	0.00			\$ 240.00	\$ -
Lead Building (Life/Safety) Plan Reviewer	0.00			\$ 240.00	\$ -
Mechanical Plan Review Engineer	0.00			\$ 210.00	\$ -
Electrical Plan Review Engineer	0.00			\$ 210.00	\$ -
Structural Plan Review Engineer	0.00			\$ 210.00	\$ -
Worker Safety Monitor	0.00			\$ 205.00	\$ -
Document Control	1.00			\$ 120.00	\$ 120.00
Project Assistant	0.00			\$ 120.00	\$ -
Supplies					
				\$	\$ -
Electronic Document Control					
Web Based Document Control - Initial Cost				\$	\$ -
Monthly Cost	1	\$	1,000.00	\$	\$ 1,000.00

Total	\$ 7,937.50
Deposit	\$ -
Total This Invoice	\$ 7,937.50

ATTACHMENT N

**CIVIL-1, GEN-6
LIST OF DCBO APPROVALS and
MECH-1
CBO INSPECTION APPROVALS**

APRIL 2021

***No DCBO approvals or inspections were conducted for demolition in
April 2021***

**LIST OF DCBO PLAN APPROVALS
AND INSPECTIONS
APRIL 2021**

The documents listed below have been approved by the Delegate Chief Building Official (DCBO).

CBO Package No.	Date Submitted	Description	COC

**CBO MECHANICAL INSPECTIONS
APRIL 2021**

CBO Package No.	Date Submitted	Description	COC

ATTACHMENT O

**WORKER SAFETY-3
CONSTRUCTION SAFETY SUPERVISOR
MONTHLY SAFETY REPORT & SAFETY INCIDENTS
APRIL 2021**

MONTHLY SAFETY REPORT

May 6, 2021

This letter serves as a summary of safety related activities for the month of April 2021.

During the month of April a total of 17 employees completed site training for the Encina Power Station demolition project. Trained personnel consisted of employees from Brandenburg, Bragg, Capstone, and ERM.

Brandenburg had 23 working days in the month of April. On each of these days, safety briefings were held with the individual crews each morning. After each morning briefing, each crew would break off to work areas to put together and complete their Task Safety Analysis prior to beginning work.

Also completed during the month was monthly safety topic covering the Control of Hazardous Energy.

Brandenburg management completed 36 documented safety related inspections.

Brandenburg completed 235 Safety Observations (SOS submittals) for the month of March. See attached documents that review the specific data of these observations.

Sean Greenya, ASP, CHST - Brandenburg Project Safety Manager

Brandenburg®

May 6, 2021

Project Code: MA0842

NRG-Encina Power Station
4600 Carlsbad Blvd.
Carlsbad, Ca. 92008

Attn: Tim Sisk
Environmental Manager

Subject: Monthly Onboarding

Dear Mr. Sisk:

This letter confirms that Brandenburg Industrial Services Company performs montly onboarding and orientation of new employee's. Attached is the monthly onboarding of employee's.

Please let me know if any further information is required.

Best regards,

Liam J Campbell

Liam Campbell
Brandenburg Industrial Services Co.

DIVISION OFFICE

2217 Spillman Drive
Bethlehem, PA 18015-1982
Phone (610) 691-1800
Fax (610) 691-4200

BRANDENBURG INDUSTRIAL SERVICE COMPANY

501 W. Lake Street, Suite 104 | Elmhurst, IL 60126-1419 | Phone (630) 956-7200 | Fax (630) 956-7222
2625 S. Loomis Street | Chicago, IL 60608-5414 | Phone (312) 326-5800 | Fax (312) 326-5055
1 N. Broadway, Stop 670 | Gary, IN 46402-3101 | Phone (219) 881-0200 | Fax (219) 880-4330
200 E. Big Beaver Road | Troy, MI 48083-1208 | Phone (313) 382-2500 | Fax (800) 849-1589
#50 Rivera Aulet Street, Bo. Pueblo Suite 101 | Arecibo, PR 00612 | Phone (787) 650-7171
800 Town & Country Blvd. | Houston, TX 77024-3916 | Phone (832) 431-3287 | Fax (800) 849-1589

Brandenburg®

Job Name: NRG Encina PowerStation


Job #: MA0842

Month Ending: April 2021

Monthly OnBoarding	
Name	Training Date
Anthony Perez-- Bragg	4/5/2021
LeighAnn Boswell—ERM	4/7/2021
Nikki Bottum—ERM	4/10/2021
Emma Worthey—ERM	4/10/2021
Gilbert Lopez—Capstone	4/12/2021
Jose Flore—Capstone	4/12/2021
Armen Aslanian—Capstone	4/16/2021
David Sloss—Brandenburg	4/16/2021
Semir Galindo—Brandenburg	4/19/2021
Jose Santiago—Capstone	4/20/2021
Alfonso Munoz—Capstone	4/20/2021
Alexis Garcia—Brandenburg	4/27/2021
Orlando Bonilla—Brandenburg	4/27/2021
Bertin Plata—Brandenburg	4/27/2021
Elvin Barahana—Brandenburg	4/27/2021
Yordys Rodriguez—Brandenburg	4/27/2021
Arnold Leyva—Capstone	4/27/2021

ATTACHMENT P

**WORKER SAFETY-4
CBO SAFETY MONITOR INSPECTION
MONTHLY SAFETY REPORT
APRIL 2021**

	West Coast Code Consultants, Inc. 2400 Camino Ramon Blvd. #240 San Ramon, CA. 94583 925-275-1700				Report #	2021-4/23-0025			
					Page:	1 Of 9			
					Day:	Friday			
					Project #:	# 07-AFC-06C			
DCBO Safety Monitors Site Report									
Project Name		ENCINA DEMOLITION / NRG 07-AFC-06C				Date		4/23/2021	
Project Location		4600 Carlsbad Blvd. CARLSBAD, CA. 92008				Time Arrived		0800 hrs.	
General Contractor		BRANDENBERG / BISCO				Time Departed		1530 hrs.	
Inspectors		<input checked="" type="checkbox"/> Field Report		<input type="checkbox"/> Notice to Comply NC #		Date Cleared			
STEVE HERMSMEYER, DCBO		<input type="checkbox"/> Field Welding		<input type="checkbox"/> Reinforcing Steel		<input type="checkbox"/> PT Stressing		<input type="checkbox"/> Concrete	
Type of inspection Performed		<input type="checkbox"/> Expansion Bolts		<input type="checkbox"/> Masonry		<input type="checkbox"/> PT Placement		<input type="checkbox"/> Epoxy	
		<input type="checkbox"/> Structural Steel Erection		<input type="checkbox"/> Torque or Pull Testing		<input type="checkbox"/> Fireproofing – MK-6/HY		<input type="checkbox"/> HS Grout	
WS- 1, WS -4, WS -3		<input checked="" type="checkbox"/> Other		SAFETY MONITOR RPRT		Weather		Overcast 68 degrees UV 2 Wind 3-7 mph wsw	
Documents Referenced		<input type="checkbox"/> Soils Report		<input type="checkbox"/> Plans Dated		<input checked="" type="checkbox"/> Submittal		WS - 2	
		<input type="checkbox"/> RFI #				<input type="checkbox"/> CBC			
Material used:		Site review inspection, interviews							

DOCKET # 07-AFC-06C

Project Name: ENCINA DEMOLITION Phase 4

TIME: 0800 hrs.

Persons Contacted: Ralph Wagner, NRG Project Director; Tommy Brister, NRG Site Safety Manager; Dave Michelsen, NRG Construction Manager; Daniel Charles, CIH, CSP, EH&S BISCO Manager, Sean Greenya, Brandenburg, EHS Supervisor

DESCRIPTION of VISIT & FINDINGS:

- 1.) Arrived at Guard Station and displayed Entry ID Badge 0800 hrs. asked and responded to Covid-19 entry questions per standard protocol at this time. Was admitted to site. Met with Tommy Brister, NRG CSS, new developments include nesting Peregrine Falcons and the resumption of Pullman Co. demo of the chimney stack having removed some 40 vertical feet of stack. Estimated remaining height at 295'.
- 2.) Met with Tommy Brister NRG CSS, and Sean Greenya Brandenburg CSS, I requested a site tour and review of current work areas. Brandenburg is in a four-day break so the site was quiet except for Pullman Contractors conducting Concrete demo on the stack. We toured the water channel clean up underway in preparation for the slurry backfill which follows the removal of gravel and sand accumulated in the water cooling channels under the turbines. Reviewed housekeeping of temporary electrical distribution and use of single extension cords for power for lighting and hand tool use by craft workers. Toured demo activity at stack Pullman has as of this time removed approx. 30 vertical feet of the stack. Progress of removal is on track for Pullman's completion of their contract work when they reach 50 feet of stack remaining. Brandenburg will complete the demo from the 50-foot level to the foundation. Spoils from the demo are being used to construct an access ramp into the lower levels of the plant to facilitate scrap and recycled metal currently stockpiled in the lower levels. The tour of the site absent the workforce was an advantage for a clearer view of the work area's and distribution of cables and conductors for temporary power.

RECOMMENDATIONS:

Safety Programs i.e., TSA and Training and Hazard Awareness protocols are being actively reviewed and implemented. Safety reviews by Brandenburg Safety Personnel throughout the site are continuing at a much-improved level. Protection of Conductors for temporary power was reviewed and suggestions were provided on protection of cables at corners and sharp metal edges. Extension cords used and suspended over lengths of 10' require supports to prevent any strain producing cause which may induce a separation of conductors causing a short-circuit in the cord. Also, a recommendation was made to ensure that only one cord is used for each application and multiple lengths of cords should not be used over extensive distances. Cords should be kept off the floor and protected from traffic or heavy equipment.

PHOTOS:

Photo #1: Water Cooling channels being cleaned prior to slurry backfill



Photo #2: Stack Demo at this time down to approx. 250'



The DECON units are located on the turbine floor area. The main DECON is accessed for the contaminated material from units 1 & 2 & 3 boilers it is located across from unit 3 turbine. Several smaller 1 person units are located near unit 5 turbine area where asbestos tents are erected. Completed ACM abatement per Unit is as follows:

Unit #1	75%
Unit #2	80%
Unit #3	90%
Unit #4	95%
Unit #5	95%

Transite Panel Abatement:

60% Abated
40% Remaining

Completion of Abatement onsite Scheduled for late Summer 2021

Turbine Machinery Status Removal:

Unit #1	Completed	100%
Unit #2	Completed	100%
Unit #3	Completed	100%
Unit #4	Completed	100%
Unit #5	Completed	100%

Brandenberg Supervisors/Managers	15
Brandenberg Craft Workers onsite	0
Morrow Meadows Electric onsite	0
Pullman Demolition	8

Photo #3: Typical Temporary Power Distribution Unit note extension cords used extensively



Photo #4: Turbine Removed typical #1 - #5



Photo #5: West Cooling level plastic protection as cleaning is performed



Photo #6: Equipment used to off load concrete demo spoils from stack



Photo #7: Stack at current level



Photo #8: Falcon Nest location at structure overhang on east wall



Photo #9: Equipment used to clean waterways at cooling channels



Photo #10: South wall transite panels removed



Photo #11: Pullman's Spider at top of stack demo in progress



Photo #12:Roof at South end of building all transite removed at this location



END OF REPORT

ATTACHMENT Q

**CIVIL-3 AND STRUC-2
NON-CONFORMANCE REPORT LOG**

No non-conformance reports for demolition in April 2021