

**DOCKETED**

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<b>Project Title:</b>	Carlsbad Energy Center - Compliance
<b>TN #:</b>	232665
<b>Document Title:</b>	Monthly Compliance Report February 2020
<b>Description:</b>	Monthly Compliance Report For Encina Power Station Demolition- February 2020
<b>Filer:</b>	Anwar Ali
<b>Organization:</b>	Carlsbad Energy Center LLC
<b>Submitter Role:</b>	Commission Staff
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<b>Docketed Date:</b>	4/5/2020



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March 12, 2020

Mr. Anwar Ali  
Compliance Project Manager  
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  
FEBRUARY 2020, MONTHLY COMPLIANCE REPORT**

Dear Mr. Ali:

Carlsbad Energy Center LLC ("Project Owner") submits the February 2020 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. Included in this MCR are the following documents:

- Updated Compliance Matrix,
- Air Quality Construction/Demolition Compliance summary,
- Summary of noise hotline calls,
- Construction Safety Supervisor monthly report.

There were no dust emissions, soil disturbance or grading activities, or use of any non-potable water for dust suppression required in February 2020.

If you have any questions or comments, please do not hesitate to contact me at (760) 930-1505.

Sincerely,

A handwritten signature in black ink, appearing to read "George L. Piantka". The signature is fluid and cursive, with a large, stylized "P" and "A".

George L. Piantka, PE  
Sr. Director, Regulatory Environmental Services  
NRG West Region

Attached: Amended Carlsbad Energy Center Project (07-AFC-06C), California  
Energy Commission, Monthly Compliance Report, February 2020  
cc: File



# **Amended Carlsbad Energy Center Project**

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## **Encina Power Station Demolition**

**(07-AFC-06C)**

### **California Energy Commission Monthly Compliance Report COM-6**

**February 2020**

***Submitted by: Cabrillo Power I LLC***

***Date Submitted: 03-12-2020***

# Table of Contents

I.	Summary .....	1
	a. Pre-Construction Status.....	1
	b. Construction Status.....	1
	c. Revised/Updated Schedule.....	2
	d. Explanation of Significant Permitting Activities and Changes to Schedule (as applicable) .....	2
II.	List of documents submitted to meet specific conditions .....	2
III.	Updated Compliance Matrices.....	3
IV.	List of conditions satisfied during reporting period including reference to actions which satisfied certification .....	3
V.	List of submittal deadlines missed during reporting period including explanation and estimate of when information will be provided.....	3
VI.	Cumulative list of approved changes to conditions of certification.....	3
VII.	List of any filings with, or permits issued by, other governmental agencies during the month.....	4
VIII.	Project compliance activities over next two months including changes to schedule.....	4
IX.	Additions to on-site compliance file .....	4
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.....	4



# List of Attachments

Attachment A:	COMPLIANCE-5 and COMPLIANCE-6: Key Events Schedule and Compliance Matrix – February 2020
Attachment B:	COMPLIANCE-6: Project Schedule, February 2020
Attachment C	AQ-SC3: Air Quality Construction Compliance Summary, February 2020
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
Attachment F	CUL-6/PAL-6: Paleontological Resource Monitoring
Attachment G	COMPLIANCE-6: Noise Hotline Calls, February 2020
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**

### **a. Pre-Construction Status**

The Carlsbad Energy Center LLC (Project Owner) received a letter from the California Energy Commission compliance project manager (CPM) authorizing site mobilization and the start of demolition for above grade fuel oil tanks 5, 6, and 7 on December 8, 2014. The Project Owner received a letter from the CPM authorizing demolition of above grade fuel oil tanks 1, 2, and 4, and soil remediation on August 31, 2015. The Project Owner received a letter from the CPM authorizing below grade demolition and berm removal on January 15, 2016. The below-grade demolition and berm removal contractor mobilized the week of February 1, 2016 and began below-grade demolition work on February 5, 2016. Below-grade demolition work was completed in May 2016, and the contractor demobilized on May 12, 2016.

### **b. Construction Status**

Phase I activities began December 19, 2014, and were completed in May 2016. The Project Owner completed all compliance activities and Conditions of Certification (COC) submittals necessary to enable the Phase II start of construction in May 2016. The California Energy Commission approved the start of construction on June 6, 2016. Phase II of the Amended Carlsbad Energy Center Project (ACECP) began in February 2017 and was completed December 12, 2018 with the Commercial Online Date for ACECP.

### **c. 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 October 2019. The Project Owner completed all compliance activities and COC submittals necessary to achieve Phase IV, Start of Demolition, in October 2019. Demolition preparation was conducted October 2019 through January 2020; abatement and demolition began on January 29, 2020.

**d. 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.

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

Neither significant permitting activities nor changes to schedule have occurred since the CEC's approval of ACECP in 2015..

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 1/28/2020 (4<sup>th</sup> Revision Notice)

### **III. Updated Compliance Matrices**

The Compliance Matrix updated to reflect the Amended CECP 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**.

AQ-SC12 - Provide status on the start and conclusion of each phase of work. See **Attachment C**.

COM-11/NOISE-1: Noise hotline log and complaint resolution process. See **Attachment G**.

TRANS-5: Performed roadway inspections. See **Attachment H**.

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

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

### **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. COMPLIANCE-6: Submit Monthly Compliance Reports.
- e. SOIL&WATER-2: Water usage summary.
- f. TRANS-5: Inspection reports on roadway conditions.
- g. TRANS-6: Provide summary of overweight or oversized vehicle permits as needed.
- h. TRANS-8: Provide a summary of encroachment permits obtained or utilized during the reporting month.
- 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.

## **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 February 2020. A summary table of all calls logged and responded to will be included, as applicable, in **Attachment G**.

**ATTACHMENT A**

**COMPLIANCE-5 AND COMPLIANCE-6  
KEY EVENTS AND COMPLIANCE MATRIX  
FEBRUARY 2020**

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/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>	<p>Comments Received from CBO on Execution Plan on 12/4/19</p> <p>Comments returned to CBO on 1-9-20. CBO approved on 1/22/2020</p>	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"> <li>1. perimeter security consisting of fencing enclosing the demolition and construction areas;</li> <li>2. security guards;</li> <li>3. site access control consisting of a check-in procedure or tag system for demolition and construction personnel and visitors;</li> <li>4. written standard procedures for employees, contractors, and vendors when encountering suspicious objects or packages on-site or off-site;</li> <li>5. protocol for contacting law enforcement and the CPM in the event of suspicious activity or emergency; and</li> <li>6. evacuation procedures.</li> </ol>	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"> <li>• Use the Noise Complaint Resolution Form (below), or a functionally equivalent procedure acceptable to the CPM, to document and respond to each noise complaint;</li> <li>• 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);</li> <li>• Conduct an investigation to determine the source of noise related to the complaint;</li> <li>• Take all feasible measures to reduce the noise at its source if the noise is project related; and</li> <li>• 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.</li> </ul>	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	Noisy construction work relating to any project features shall be restricted to the times of day delineated below:  Weekdays 7:00 a.m. to 6:00 p.m. Saturdays 8:00 a.m. to 6:00 p.m.  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.			
SOIL&WATER	2	a	Plan	Y	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.	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	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.	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	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			
SOIL&WATER	6	b	Reporting	Y				
SOIL&WATER	9	a	Permit Reporting	Y	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). 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. 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.	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		

CEC CONDITIONS OF CERTIFICATION

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"> <li>• timing of truck trips, including heavy equipment and building materials deliveries, especially those that would cross the railroad tracks;</li> <li>• redirecting construction and demolition traffic with a flag person at a minimum for trucks traveling eastbound on Cannon Road from the SDG&amp;E Service Gate to cross the railroad tracks;</li> <li>• signing, lighting, and traffic control device placement if required;</li> <li>• need for construction work hours and arrival/departure times outside and during peak traffic periods;</li> <li>• insurance of access for emergency vehicles to the project site;</li> <li>• temporary closure of travel lanes;</li> <li>• access to adjacent residential and commercial property during the construction of all pipelines;</li> <li>• specification of construction-related haul routes; and</li> <li>• identify safety procedures for exiting and entering the site access gate</li> </ul>		10/29/2019, Modified Plan sent 11/14/19	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"> <li>• a description of all demolition and construction waste streams, including projections of frequency, amounts generated, and hazard classifications; and</li> <li>• 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.</li> <li>• 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.</li> </ul>		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
VIS	3	B	Screening		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.  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: 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.			

CEC CONDITIONS OF CERTIFICATION

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> <ol style="list-style-type: none"><li>1. a Demolition and Construction Personal Protective Equipment Program;</li><li>2. a Demolition and Construction Exposure Monitoring Program;</li><li>3. a Demolition and Construction Injury and Illness Prevention Program;</li><li>4. a Demolition and Construction Emergency Action Plan; and</li><li>5. a Demolition and Construction Fire Prevention Plan.</li><li>6. an Encina Power Statin Demolition Plan.</li></ol> <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> <ol style="list-style-type: none"><li>1. have overall authority for coordination and implementation of all occupational safety and health practices, policies, and programs;</li><li>2. assure that the safety program for the project complies with Cal/OSHA and federal regulations related to power plant projects;</li><li>3. assure that all demolition, construction and commissioning workers and supervisors receive adequate safety training;</li><li>4. complete accident and safety-related incident investigations and emergency response reports for injuries and inform the CPM of safety-related incidents; and</li><li>5. assure that all the plans identified in Conditions of Certification Worker Safety-1 and -2 are implemented.</li></ol>		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 CECF, and demolition/removal of the EPS.</p>		9/12/2019	10/10/2019
WORKER SAFETY	5		Training	Y	<p>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.</p>	Training held on 12/4/19. Completed AED Training.	12/5/2019	12/10/2019

Submitted to CEC

Approved by CEC

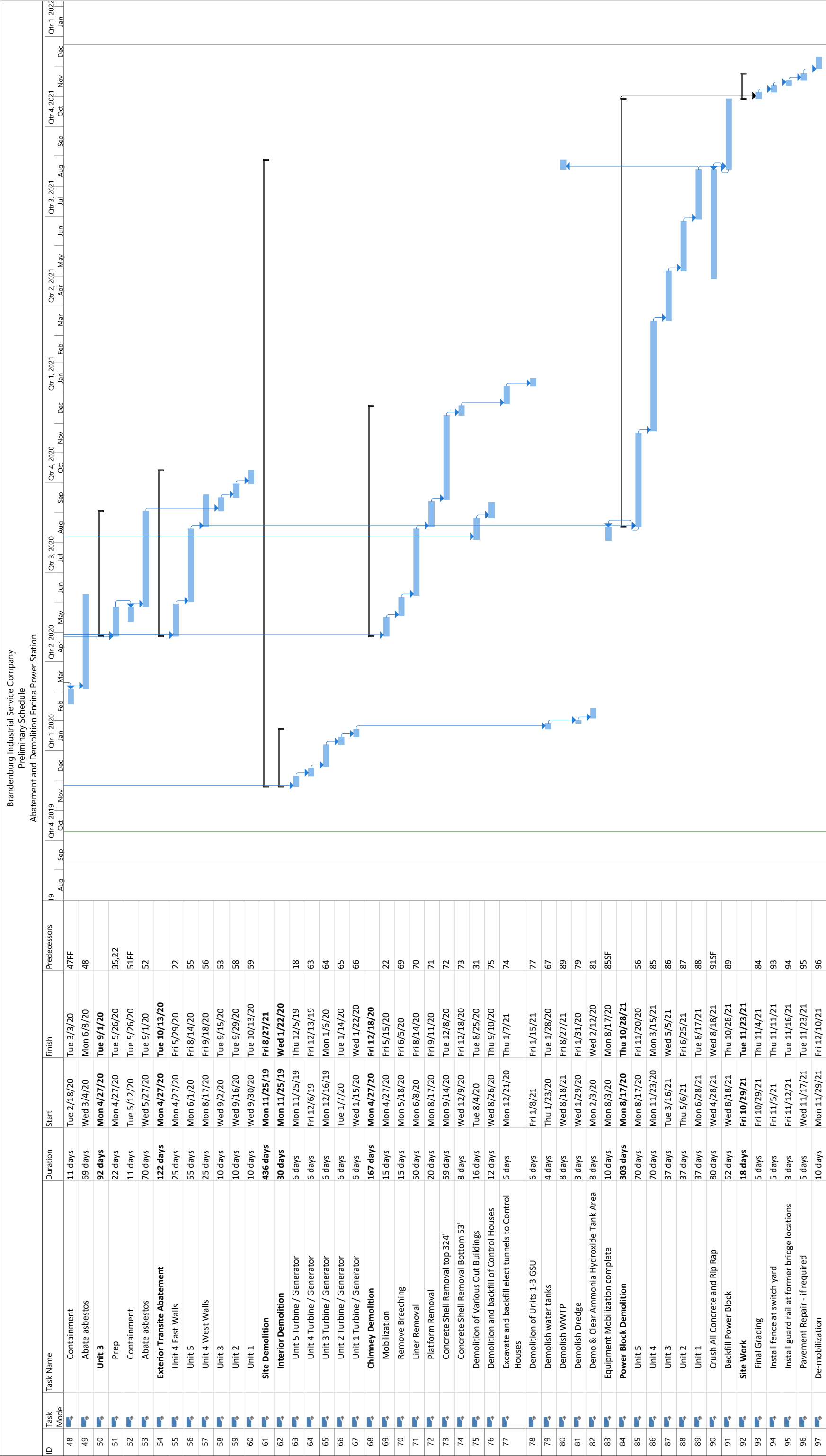
**ATTACHMENT B**

**COMPLIANCE-6**  
**PROJECT SCHEDULE**  
**FEBRUARY 2020**

Brandenburg Industrial Service Company  
Preliminary Schedule  
Abatement and Demolition Encina Power Station

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors
1		MA0842 NRG Engine Power Station	572 days	Mon 9/9/19	Thu 12/23/21	
2		Project Award - LOI	10 days	Mon 9/9/19	Fri 9/20/19	
3		Pre-Conference Kick-Off Meeting	2 days	Mon 9/30/19	Tue 10/1/19	2FF+7 days
4		Contract Issuance	8 days	Wed 10/2/19	Fri 10/11/19	3
5		Engineering	20 days	Mon 9/23/19	Fri 10/18/19	2
6		NESHAP Notification	10 days	Tue 10/22/19	Mon 11/4/19	5FS+1 day
7		Brandenburg Planning	40 days	Mon 9/9/19	Fri 11/1/19	2SS
8		Poseidon Work Complete	0 days	Mon 4/20/20	Mon 4/20/20	
9		Temporary Facilities	572 days	Mon 9/9/19	Thu 12/23/21	
10		Maintain Office and Break Bldg-Provided by NRG	525 days	Mon 11/4/19	Tue 12/14/21	7
11		Mobilize Early Equipment	5 days	Mon 11/4/19	Fri 11/8/19	7
12		Security Gate 3	525 days	Mon 11/4/19	Tue 12/14/21	11SS
13		Project Management	572 days	Mon 9/9/19	Thu 12/23/21	2SS
14		Install Scale	1 day	Mon 11/11/19	Mon 11/11/19	11
15		Temp Power to FAA lighting	5 days	Mon 4/13/20	Mon 4/20/20	22SF
16		Title 22 Water Service piping Install	5 days	Mon 11/18/19	Fri 11/22/19	17
17		Install SWPPP Controls	5 days	Mon 11/11/19	Fri 11/15/19	11
18		Verify Utility Disconnections Units 1,2,4 & 5	5 days	Mon 11/18/19	Fri 11/22/19	17
19		Secure & Demarcate Live Utilities from Unit 3	10 days	Mon 11/11/19	Fri 11/22/19	11
20		Disconnect/isolate potable water, raw water and fire loop - 5 locations	5 days	Mon 11/25/19	Wed 12/4/19	16
21		Cooling Water Intake and Discharge	76 days	Mon 4/20/20	Mon 8/3/20	
22		Utility Disconnect Unit 3 MCC	5 days	Mon 4/20/20	Fri 4/24/20	8
23		Remove Universal Wastes Unit 4 and 5 Circ Water System	3 days	Mon 4/20/20	Wed 4/22/20	11
24		De-water	10 days	Thu 4/23/20	Wed 5/6/20	23
25		Remove silt	3 days	Thu 5/7/20	Mon 5/11/20	24
26		Install CLSM in Units 4 and 5 Discharge	8 days	Tue 5/12/20	Thu 5/21/20	25
27		Demolish surface equipment Circ Water Area Units 1 through 5	10 days	Fri 5/22/20	Thu 6/4/20	26
28		Partial demo of circ water exterior deck	6 days	Fri 6/5/20	Fri 6/12/20	27
29		Partial Backfill circ water intake and discharge tunnels	25 days	Mon 6/15/20	Fri 7/17/20	28
30		Demo remainder circ water exterior deck	6 days	Mon 7/20/20	Mon 7/27/20	29
31		Final backfill circ water intake and discharge tunnels	5 days	Tue 7/28/20	Mon 8/3/20	30
32		No.6 Fuel Line Purge & Removal	10 days	Mon 11/18/19	Wed 12/4/19	17
33		Regulated Materials Univ Waste Removal	107 days	Mon 11/25/19	Fri 5/8/20	
34		Unit 5	20 days	Mon 11/25/19	Wed 1/8/20	18
35		Unit 4	20 days	Thu 12/19/19	Wed 1/29/20	34FS-5 days
36		Unit 1	10 days	Thu 1/30/20	Wed 2/12/20	35
37		Unit 2	10 days	Thu 2/13/20	Wed 2/26/20	36
38		Unit 3	10 days	Mon 4/27/20	Fri 5/8/20	22
39		Asbestos Abatement Interior	184 days	Thu 12/5/19	Tue 9/1/20	
40		Unit 5	5 days	Thu 12/5/19	Wed 12/11/19	34SS+5 days
41		Unit 4	4 days	Thu 1/30/20	Tue 2/4/20	40,35
42		Unit 1	95 days	Thu 12/19/19	Wed 5/13/20	
43		Prep	22 days	Thu 12/19/19	Fri 1/31/20	35SS
44		Containment	11 days	Fri 1/17/20	Fri 1/31/20	43FF
45		Abate asbestos	73 days	Mon 2/3/20	Wed 5/13/20	44
46		Unit 2	91 days	Mon 2/3/20	Mon 6/8/20	
47		Prep	22 days	Mon 2/3/20	Tue 3/3/20	43

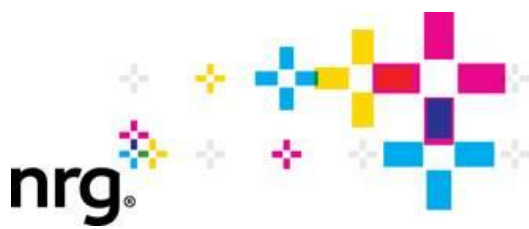




**ATTACHMENT C**

**AQ-SC3  
AIR QUALITY CONSTRUCTION  
COMPLIANCE SUMMARY  
FEBRUARY 2020**





## Air Quality Construction Compliance Summary

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

**PREPARED FOR:** Carlsbad Energy Center LLC  
**PREPARED BY:** George Piantka, NRG Energy, Inc.  
**DATE:** March 10, 2020  
**COMPLIANCE PERIOD:** February 2020

This compliance memorandum summarizes the activities conducted in November 2019 to demonstrate compliance with the approved *Air Quality Construction Mitigation Plan (AQCMP) for Phase IV of the Amended Carlsbad Energy Center Project (Amended CEC) (CEC, 2019)*. The Amended CEC Phase IV AQCMP covers the aboveground demolition/removal of Encina Power Station, below grade demolition and site remediation, which will 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) subsequent to the completion of Phase IV.

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.

Phase II concluded with the Commercial Online Date of the Carlsbad Energy Center Project on December 12, 2018. Phase III covered the period of December 11, 2018 with the retirement of Encina Power Station through October 2019 which encompassed the decommissioning of Encina Power Station.

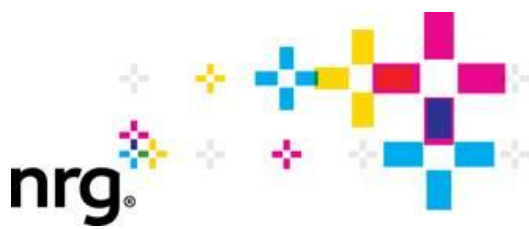
#### Fugitive Dust Compliance Measures

For this compliance period during Phase IV of the Encina Power Station Demolition the following compliance measures will be implemented and monitored onsite using a 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

The demolition contractor(s) have begun limited demolition activities and asbestos abatement on January 29, 2020. The active demolition and activities that could create fugitive dust did not result in any visible fugitive dust in February 2020. No deviations from conditions AQ-SC3 or AQ-SC4 occurred during the compliance period. No complaints were filed with the San Diego Air Pollution Control District.

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



## **Diesel Equipment Compliance Measures**

All 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 to indicate the equipment are approved for use onsite. The equipment tagged during this compliance period are included in Table 1.

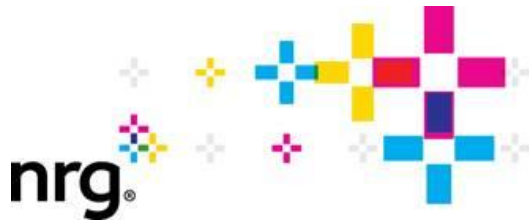
The following compliance measures were implemented during this compliance period:

- 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 2. 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 2, are included as Attachment B to this memorandum.

## **References**

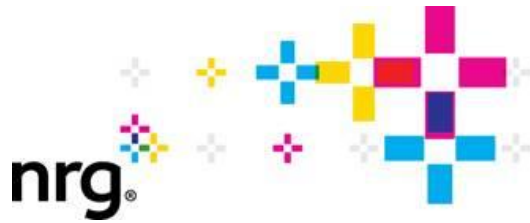
California Energy Commission (CEC), 2019. *Air Quality Construction Mitigation Plan, Phase IV, Amended Carlsbad Energy Center Project, (07-AFC-06C)*, Submitted on October 16, 2019; Awaiting CEC approval of Amendment.



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

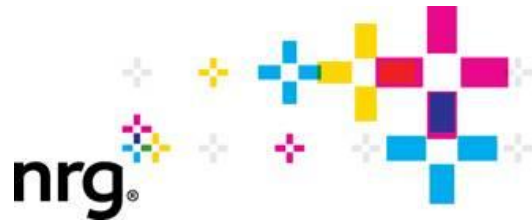
Table 1  
**Diesel Equipment**  
AQCMP 07-AFC-06C

<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>
11/05/2019	PS5H77	0160098681	JLG 55' Shooting Boom Forklift	Cummins, KCEXLO3.8AAA, QSF3.8, 3.8L, SN: 22375101	130	4	Sunbelt BISCO
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	JG4N54	41950	Bobcat S770	Doosan, KDICLO3.4LEA, D34P, 3.4L, SN: D34P9059989LELO2	92	4	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
01/16/2020	DU8X55	1022735	JLG 80' Manlift	Deutz, JDZXL02.9020, TD2.9L4, 15.0L, SN: 12153476	67	4	Sunbelt BISCO
01/17/2020	LC8F84	861805	JLG 45' Manlift	Deutz, FDZXL02.9021, D2.9L4,60.6L, SN: 11809642	49	4	Sunbelt BISCO



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

01/28/2020	PERP No. 156252 (09/30/20)	374241	56KW Generator	Izuzu, BSZXLO3.0JXB, 4JJ1-T, 183L, SN: 126310	57.1	4l	Sunbelt BISCO
01/29/2020	WP5U33	1031906	Genie 80' Manlift	Deutz, JDZXL02.9020, TD2.9L4, 2.9L, SN: 12258372	74	4	Sunbelt BISCO
02/21/2020	BT4G48	A97047	Komatsu Loader WA500-8	Komatsu, KKLXL15.2EDC SN: 834073	357	4	BISCO



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

## **Attachment A**

# **Air Quality Control Checklists**

AQCMP or designee name: Tommy Brister

Date: 02/01/2020

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	NA	No truck traffic at current time
Unpaved Exits	At all exit locations: Gravel or treated to prevent track-out - identify	NA	No dirt traffic at current time
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	NA	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.	YES	
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 - Within the Encina Power Station Property	Re-Vegetated as soon as possible Travel limited to paved or graveled surfaces - Note Routes on Site Figure Map	NA	No dirt traffic at the

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.

AQCMP or designee name: Tommy Brister

Date: 02/03/2020

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

<b>Area Affected: Requirement:</b>		<b>Implemented (Y/N):</b>	<b>Notes:</b>
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	NA	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	NA	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.	YES	
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 - Within the Encina Power Station Property	Re-Vegetated as soon as possible Travel limited to paved or graveled surfaces - Note Routes on Site Figure Map	NA	No dirt traffic at the

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: 02/03/2020

**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. <sup>1</sup>		

**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: 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.	<b>Mitigation Measure Implemented:</b>	<b>Time Implemented / Notes</b>
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. <sup>2</sup>		



Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: *Tommy Brister*

Date: 02/03/2020

**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	
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	
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:		

**Sample**

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

AQCMP or designee name: Tommy Brister

Date: 02/04/2020

**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	NA	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	NA	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.	YES	
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 - Within the Encina Power Station Property	Re-Vegetated as soon as possible Travel limited to paved or graveled surfaces - Note Routes on Site Figure Map	NA	No dirt traffic at the

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: 02/04/2020

**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****Time Implemented / Notes****Implemented:**

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. <sup>1</sup>		

**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: 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.	<b>Mitigation Measure Implemented:</b>	<b>Time Implemented / Notes</b>
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. <sup>2</sup>		

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: *Tommy Brister*

Date: 02/04/2020

**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	
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	
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:		

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

AQCMP or designee name: Tommy Brister

Date: 02/05/2020

**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	NA	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	NA	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.	YES	
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 - Within the Encina Power Station Property	Re-Vegetated as soon as possible Travel limited to paved or graveled surfaces - Note Routes on Site Figure Map	NA	No dirt traffic at the

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: 02/05/2020

**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**

<b>freeway) Area Affected / Source:</b>	<b>NO Truck / Dirt traffic at current time</b>	
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**Date / Time Identified:****Mitigation Measure****Time Implemented / Notes****Implemented:**

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. <sup>1</sup>		

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

<b>Area Affected / Source:</b> <b>No truck or Dirt traffic</b>		<b>Date / Time Identified:</b>
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.	<b>Mitigation Measure Implemented:</b>	<b>Time Implemented / Notes</b>
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. <sup>2</sup>		

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: *Tommy Brister*

Date: 02/05/2020

**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	
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	
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:		

**Sample**

AQCMP or designee name: Tommy Brister

Date: 02/06/2020

**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	NA	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	NA	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.	YES	
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 - Within the Encina Power Station Property	Re-Vegetated as soon as possible Travel limited to paved or graveled surfaces - Note Routes on Site Figure Map	NA	No dirt traffic at the

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: 02/06/2020

**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 AQ-CMM or AQ-CMM Delegate shall direct a temporary shutdown of the activity causing the emissions. <sup>1</sup>		

**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: 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.	<b>Mitigation Measure Implemented:</b>	<b>Time Implemented / Notes</b>
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. <sup>2</sup>		

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: *Tommy Brister*

Date: 02/06/2020

**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	
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	
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:		

**Sample**

AQCMP or designee name: Tommy Brister

Date: 02/07/2020

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

<b>Area Affected: Requirement:</b>		<b>Implemented (Y/N):</b>	<b>Notes:</b>
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	NA	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	NA	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.	YES	
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 - Within the Encina Power Station Property	Re-Vegetated as soon as possible Travel limited to paved or graveled surfaces - Note Routes on Site Figure Map	NA	No dirt traffic at the

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: 02/07/2020

**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 AQ-CMM or AQ-CMM Delegate shall direct a temporary shutdown of the activity causing the emissions. <sup>1</sup>		

**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: 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.	<b>Mitigation Measure Implemented:</b>	<b>Time Implemented / Notes</b>
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. <sup>2</sup>		

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: *Tommy Brister*

Date: 02/07/2020

**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	
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	
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:		

**Sample**

AQCMP or designee name: Tommy Brister

Date: 02/08/2020

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

<b>Area Affected: Requirement:</b>		<b>Implemented (Y/N):</b>	<b>Notes:</b>
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	NA	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	NA	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.	YES	
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 - Within the Encina Power Station Property	Re-Vegetated as soon as possible Travel limited to paved or graveled surfaces - Note Routes on Site Figure Map	NA	No dirt traffic at the

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: 02/08/2020

**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**

<b>freeway) Area Affected / Source:</b>	<b>NO Truck / Dirt traffic at current time</b>	
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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. <sup>1</sup>		

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

<b>Area Affected / Source:</b>	<b>No truck or Dirt traffic</b>	<b>Date / Time Identified:</b>
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.	<b>Mitigation Measure Implemented:</b>	<b>Time Implemented / Notes</b>
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. <sup>2</sup>		

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: *Tommy Brister*

Date: 02/08/2020

**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	
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	
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:		

**Sample**



AQCMP or designee name: Tommy Brister

Date: 02/10/2020

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

<b>Area Affected: Requirement:</b>		<b>Implemented (Y/N):</b>	<b>Notes:</b>
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	NA	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	NA	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.	YES	
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 - Within the Encina Power Station Property	Re-Vegetated as soon as possible Travel limited to paved or graveled surfaces - Note Routes on Site Figure Map	NA	No dirt traffic at the

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: 02/10/2020

**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 AQ-CMM or AQ-CMM Delegate shall direct a temporary shutdown of the activity causing the emissions. <sup>1</sup>		

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

<b>Area Affected / Source:</b> <b>No truck or Dirt traffic</b>		<b>Date / Time Identified:</b>
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.	<b>Mitigation Measure Implemented:</b>	<b>Time Implemented / Notes</b>
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. <sup>2</sup>		

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: *Tommy Brister*

Date: 02/10/2020

**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	
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	
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:		

**Sample**

AQCMP or designee name: Tommy Brister

Date: 02/11/2020

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

<b>Area Affected: Requirement:</b>		<b>Implemented (Y/N):</b>	<b>Notes:</b>
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	NA	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	NA	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.	YES	
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 - Within the Encina Power Station Property	Re-Vegetated as soon as possible Travel limited to paved or graveled surfaces - Note Routes on Site Figure Map	NA	No dirt traffic at the

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: 02/11/2020

**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. <sup>1</sup>		

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

<b>Area Affected / Source:</b> <b>No truck or Dirt traffic</b>		<b>Date / Time Identified:</b>
	<b>Mitigation Measure Implemented:</b>	<b>Time Implemented / Notes</b>
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.		
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. <sup>2</sup>		

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: *Tommy Brister*

Date: 02/11/2020

**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	
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	
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:		

**Sample**

AQCMP or designee name: Tommy Brister

Date: 02/12/2020

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

<b>Area Affected: Requirement:</b>		<b>Implemented (Y/N):</b>	<b>Notes:</b>
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	NA	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	NA	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.	YES	
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 - Within the Encina Power Station Property	Re-Vegetated as soon as possible Travel limited to paved or graveled surfaces - Note Routes on Site Figure Map	NA	No dirt traffic at the

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: 02/12/2020

**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. <sup>1</sup>		

**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: 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.	<b>Mitigation Measure Implemented:</b>	<b>Time Implemented / Notes</b>
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. <sup>2</sup>		



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

AQCMP or designee name: Tommy Brister

Date: 02/13/2020

**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	NA	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	NA	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.	YES	
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 - Within the Encina Power Station Property	Re-Vegetated as soon as possible Travel limited to paved or graveled surfaces - Note Routes on Site Figure Map	NA	No dirt traffic at the

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: 02/13/2020

**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**

<b>freeway) Area Affected / Source:</b>	<b>NO Truck / Dirt traffic at current time</b>	
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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 AQ-CMM or AQ-CMM Delegate shall direct a temporary shutdown of the activity causing the emissions. <sup>1</sup>		

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

<b>Area Affected / Source:</b> <del>No truck or Dirt traffic</del>		<b>Date / Time Identified:</b>
	<b>Mitigation Measure Implemented:</b>	<b>Time Implemented / Notes</b>
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.		
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. <sup>2</sup>		

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: *Tommy Brister*

Date: 02/13/2020

**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	
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	
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:		

**Sample**

AQCMP or designee name: Tommy Brister

Date: 02/14/2020

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

<b>Area Affected: Requirement:</b>		<b>Implemented (Y/N):</b>	<b>Notes:</b>
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	NA	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	NA	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.	YES	
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 - Within the Encina Power Station Property	Re-Vegetated as soon as possible Travel limited to paved or graveled surfaces - Note Routes on Site Figure Map	NA	No dirt traffic at the

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: 02/14/2020

**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**

<b>freeway) Area Affected / Source:</b>	<b>NO Truck / Dirt traffic at current time</b>	
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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. <sup>1</sup>		

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

<b>Area Affected / Source:</b> <del>No truck or Dirt traffic</del>		<b>Date / Time Identified:</b>
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.	<b>Mitigation Measure Implemented:</b>	<b>Time Implemented / Notes</b>
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. <sup>2</sup>		

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: *Tommy Brister*

Date: 02/14/2020

**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	
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	
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:		

**Sample**

AQCMP or designee name: Tommy Brister

Date: 02/17/2020

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

<b>Area Affected: Requirement:</b>		<b>Implemented (Y/N):</b>	<b>Notes:</b>
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	NA	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	NA	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.	YES	
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 - Within the Encina Power Station Property	Re-Vegetated as soon as possible Travel limited to paved or graveled surfaces - Note Routes on Site Figure Map	NA	No dirt traffic at the

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: 02/17/2020

**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**

<b>freeway) Area Affected / Source:</b>	<b>NO Truck / Dirt traffic at current time</b>	
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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 AQ-CMM or AQ-CMM Delegate shall direct a temporary shutdown of the activity causing the emissions. <sup>1</sup>		

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

<b>Area Affected / Source:</b> <b>No truck or Dirt traffic</b>		<b>Date / Time Identified:</b>
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.	<b>Mitigation Measure Implemented:</b>	<b>Time Implemented / Notes</b>
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. <sup>2</sup>		



Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: *Tommy Brister*

Date: 02/17/2020

**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	
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	
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:		

**Sample**

AQCMP or designee name: Tommy Brister

Date: 02/18/2020

**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	NA	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	NA	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.	YES	
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 - Within the Encina Power Station Property	Re-Vegetated as soon as possible Travel limited to paved or graveled surfaces - Note Routes on Site Figure Map	NA	No dirt traffic at the

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: 02/18/2020

**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****Time Implemented / Notes****Implemented:**

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 AQ-CMM or AQ-CMM Delegate shall direct a temporary shutdown of the activity causing the emissions. <sup>1</sup>		

**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: 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.	<b>Mitigation Measure Implemented:</b>	<b>Time Implemented / Notes</b>
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. <sup>2</sup>		

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: *Tommy Brister*

Date: 02/18/2020

**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	
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	
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:		

**Sample**

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

AQCMP or designee name: Tommy Brister

Date: 02/19/2020

**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	NA	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	NA	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.	YES	
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 - Within the Encina Power Station Property	Re-Vegetated as soon as possible Travel limited to paved or graveled surfaces - Note Routes on Site Figure Map	NA	No dirt traffic at the

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: 02/19/2020

**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**

<b>freeway) Area Affected / Source:</b>	<b>NO Truck / Dirt traffic at current time</b>	
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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. <sup>1</sup>		

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

<b>Area Affected / Source:</b> <b>No truck or Dirt traffic</b>		<b>Date / Time Identified:</b>
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.	<b>Mitigation Measure Implemented:</b>	<b>Time Implemented / Notes</b>
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. <sup>2</sup>		

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: *Tommy Brister*

Date: 02/19/2020

**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	
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	
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:		

**Sample**



AQCMP or designee name: Tommy Brister

Date: 02/20/2020

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

<b>Area Affected: Requirement:</b>		<b>Implemented (Y/N):</b>	<b>Notes:</b>
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	NA	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	NA	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.	YES	
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 - Within the Encina Power Station Property	Re-Vegetated as soon as possible Travel limited to paved or graveled surfaces - Note Routes on Site Figure Map	NA	No dirt traffic at the

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: 02/20/2020

**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. <sup>1</sup>		

**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: 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.	<b>Mitigation Measure Implemented:</b>	<b>Time Implemented / Notes</b>
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. <sup>2</sup>		

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: *Tommy Brister*

Date: 02/20/2020

**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	
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	
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:		

**Sample**

AQCMP or designee name: Tommy Brister

Date: 02/21/2020

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

<b>Area Affected: Requirement:</b>		<b>Implemented (Y/N):</b>	<b>Notes:</b>
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	NA	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	NA	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.	YES	
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 - Within the Encina Power Station Property	Re-Vegetated as soon as possible Travel limited to paved or graveled surfaces - Note Routes on Site Figure Map	NA	No dirt traffic at the

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: 02/21/2020

**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	
<b>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:</b>		
	<b>NO Truck / Dirt traffic at current time</b>	

**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. <sup>1</sup>		

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

<b>Area Affected / Source:</b>	<b>No truck or Dirt traffic</b>	<b>Date / Time Identified:</b>
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.	<b>Mitigation Measure Implemented:</b>	<b>Time Implemented / Notes</b>
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. <sup>2</sup>		

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: *Tommy Brister*

Date: 02/21/2020

**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	
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	
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:		

**Sample**

AQCMP or designee name: Tommy Brister

Date: 02/22/2020

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

<b>Area Affected: Requirement:</b>		<b>Implemented (Y/N):</b>	<b>Notes:</b>
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	NA	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	NA	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.	YES	
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 - Within the Encina Power Station Property	Re-Vegetated as soon as possible Travel limited to paved or graveled surfaces - Note Routes on Site Figure Map	NA	No dirt traffic at the

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: 02/22/2020

**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**

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

**Date / Time Identified:****Mitigation Measure****Time Implemented / Notes****Implemented:**

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. <sup>1</sup>		

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

<b>Area Affected / Source:</b>	<b>No truck or Dirt traffic</b>	<b>Date / Time Identified:</b>
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.	<b>Mitigation Measure Implemented:</b>	<b>Time Implemented / Notes</b>
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. <sup>2</sup>		

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: *Tommy Brister*

Date: 02/22/2020

**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	
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	
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:		



AQCMP or designee name: Tommy Brister

Date: 02/24/2020

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

<b>Area Affected: Requirement:</b>		<b>Implemented (Y/N):</b>	<b>Notes:</b>
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	NA	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	NA	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.	YES	
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 - Within the Encina Power Station Property	Re-Vegetated as soon as possible Travel limited to paved or graveled surfaces - Note Routes on Site Figure Map	NA	No dirt traffic at the

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Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project

AQCMP or designee name: Tommy Brister

AQCMP or designee signature: *Tommy Brister*

Date: 02/24/2020

**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
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Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	
Documentation of acceptable engine tier is on file.	Equipment Updated (Y/N/NA):	YES	
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A list of all other actions taken to control diesel construction related emissions	Other Reductions:		

**Sample**

AQCMP or designee name: Tommy Brister

Date: 02/25/2020

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
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Tire washing / cleaning station	Gravel ramps min 20 ft in length - identify location in Site Figure Map	NA	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	NA	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.	YES	
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 - Within the Encina Power Station Property	Re-Vegetated as soon as possible Travel limited to paved or graveled surfaces - Note Routes on Site Figure Map	NA	No dirt traffic at the

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Date: 02/25/2020

**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**

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

**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 AQCMM or AQCMM Delegate shall direct a temporary shutdown of the activity causing the emissions. <sup>1</sup>		

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

<b>Area Affected / Source:</b> <del>No truck or Dirt traffic</del>		<b>Date / Time Identified:</b>
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.	<b>Mitigation Measure Implemented:</b>	<b>Time Implemented / Notes</b>
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Step 3: Direct a temporary shutdown of the activity causing the emissions if Step 2 specified above fails to result in effective mitigation. <sup>2</sup>		

Air Quality Construction Mitigation Plan for the Carlsbad Energy Center Project

AQCMP or designee name: Tommy Brister

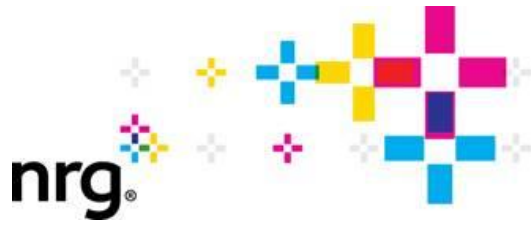
AQCMP or designee signature: *Tommy Brister*

Date: 02/25/2020

**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	
Make sure CEC approval tag is located on all equipment used onsite	Tags Visible (Y/N):	YES	
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	
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A list of all other actions taken to control diesel construction related emissions	Other Reductions:		

**Sample**



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

## **Attachment B**

# **Diesel Engine Tier and Maintenance Documentation**

# Brandenburg®

---

March 2, 2020

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,

*Anthony Carlson*

Anthony Carlson  
Brandenburg Industrial Services Co.  
Project Manager

---

**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:** February 2020

Equipment Number	Tier 4 Inspection	Description	Equipment Move on	Equipment Move Off	EIN #
10214961 (Rental)	Green; #1; 11/11/2019	55' Shooting Boom Forklift	11/05/2019		PS5H77
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
00973	Pending	Extended Run Generator	11/12/2019		
33111 (Rental)	N/A	20 ft Scissor Lift	12/5/2019		N/A
10034564 (Rental)	N/A	20 ft Scissor Lift	12/5/2019		N/A
37037	N/A	Air Compressor	12/12/2019		N/A
41950	Green; #5; 1/07/2020	Bobcat S770	1/7/2020		JG4N54
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
10265038	N/A	36' Manlift	1/16/2020		N/A
436081	N/A	40' Manlift	1/16/2020		N/A
10022735	Green; #9; 1/17/2020	80' Manlift	1/16/2020		DU8X55
861805	Green; #10; 1/17/2020	45' Manlift	1/17/2020		LC8F84

**BRANDENBURG INDUSTRIAL SERVICE COMPANY**

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



# Brandenburg®

10265035	N/A	24' Push Manlift	1/20/2020		N/A
EC77540007	N/A	24' Push Manlift	1/20/2020		N/A
37421	Green; #11; 1/28/2020	56 KW Diesel Generator	1/28/2020		156252 (PERP)
1013196	Green; #12 1/30/2020	80' Articulating Manlift	01/29/2020		WP5U33
25225	Green; #13; 02/24/2020	Komatsu WA500 Loader	02/21/2020		BT4G48

**ATTACHMENT D**

**BIO-6  
PHASE IV BIOLOGICAL RESOURCES  
MONTHLY COMPLIANCE REPORT  
FEBRUARY 2020**

Cabrillo Power I LLC

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

February 2020 Reporting Period

March 2020

## **TABLE OF CONTENTS**

<b>1.0</b>	<b>INTRODUCTION</b>	<b>1</b>
<b>2.0</b>	<b>BIOLOGICAL MONITORING SUMMARY</b>	<b>2</b>
<b>2.1</b>	<b>NESTING BIRDS</b>	<b>2</b>
<b>2.3</b>	<b>SPECIAL-STATUS SPECIES</b>	<b>2</b>
<b>2.4</b>	<b>WILDLIFE DISPLACEMENT, INJURIES, AND MORTALITIES</b>	<b>3</b>
2.4.1	<i>Migratory Bird Treaty Act Protected Species</i>	3
2.4.2	<i>Other Species</i>	3
<b>2.5</b>	<b>HAZARDOUS MATERIAL SPILLS</b>	<b>3</b>
<b>2.6</b>	<b>TRASH</b>	<b>3</b>
<b>2.8</b>	<b>NON-COMPLIANCE REPORT</b>	<b>4</b>

### **APPENDIX A - BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOGS**

### **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 February 1 through February 29, 2019, 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 February 2020 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 (one visit per week) during the nesting season (generally February 1<sup>st</sup> through August 31<sup>st</sup>). The Biological Resources Compliance Monitoring Log is provided in Appendix A. A list of wildlife species observed during the monitoring events are included in Appendix B. Wildlife Observation Forms (WOFs) are provide 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 on weekly basis, 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 receive WEAP training prior to start of work. The hardcopy sign-in training logs for February 2020 will be submitted separately.

**2.1****NESTING BIRDS**

There are no active nests within the EPS during the February 2020 reporting period. A list of wildlife species observed during the monitoring event is included in Appendix B.

**2.3****SPECIAL-STATUS SPECIES**

Seven special-status avian species were observed during the February 2020 reporting period, which included the following: 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]), 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), great egret (*Ardea alba*; CDF S), and osprey (*Pandion haliaetus*; CDFW WL; 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)<sup>1</sup>.

## **2.4 WILDLIFE DISPLACEMENT, INJURIES, AND MORTALITIES**

### **2.4.1 Migratory Bird Treaty Act Protected Species**

On February 25, 2020, a deceased house finch (*Haemorhous mexicanus*) was found within the EPS building. Another deceased house finch was found in the EPS building on February 28, 2020. On February 28, 2020, a deceased common raven (*Corvus corax*) was found inside the inactive nest, which was located on the satellite tower. No additional injured or dead species protected by the Migratory Bird Treaty Act (MBTA) were observed within the EPS site. A list of wildlife species observed during the monitoring event is included in Appendix B. WOFs are provided in Appendix C.

### **2.4.2 Other Species**

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

## **2.5 HAZARDOUS MATERIAL SPILLS**

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

## **2.6 TRASH**

Litter, (including wind-blown) was observed during the biological monitoring visits. Litter removal requests were submitted to the demolition contractor. In addition, the Designated Biologist removed some litter from the site.

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<sup>1</sup> 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>

No non-compliance notifications or incident reports were issued.



*Appendix A*  
*Biological Resources Compliance Monitoring Logs*

## NRG Energy Encina Power Station (EPS) Project

### BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

Date						Monitor						Time (Begin-End)					
February 7, 2020						Melissa Fowler						06:55-12:25					
Temperature (°F)		Humidity (%)		Wind (mph)		Precipitation (Y/N, amount)		Visibility		Weather Comment							
46		69		0		N		Good (9.0 mi)		0% cloud cover							
<b>Location(s) of Work Site Activities Monitored</b>																	
NRG EPS site.																	
<b>Summary of Biological Resources Monitoring Observations</b>																	
<p>Biological resources monitoring for biological constraints, special-status species, and nesting birds was conducted at the NRG EPS site.</p> <p><b>Nesting Bird Observations:</b></p> <ul style="list-style-type: none"> <li>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 in the transmission bay, but no active nest was observed.</li> <li>Courtship was observed in three species: American peregrine falcon, Anna's hummingbird (<i>Calypte anna</i>), and Say's phoebe (<i>Sayornis saya</i>).</li> <li>No active nests or nesting behaviors were observed.</li> </ul> <p><b>Special-Status Species Observed:</b></p> <ul style="list-style-type: none"> <li>American peregrine falcons were observed within the project site.</li> <li>California brown pelicans (<i>Pelecanus occidentalis californicus</i>; CDFW FP) were observed within the project vicinity.</li> <li>A California gull (<i>Larus californicus</i>; CDFW Watch List [WL]) was observed within the project vicinity.</li> <li>Double-crested cormorants (<i>Phalacrocorax auratus</i>; CDFW WL) were observed within the project vicinity.</li> <li>A great blue heron (<i>Ardea herodias</i>; CDF S) was observed within the project vicinity.</li> <li>No additional special-status species were observed.</li> </ul> <p><b>Other Biological Resources Observations:</b></p> <ul style="list-style-type: none"> <li>Raccoon (<i>Procyon lotor</i>) tracks were observed in the swale, which is adjacent to the northern laydown area.</li> <li>The American peregrine falcon pair readily hunts and consumes prey on-site. The predated remains were picked up and removed from the site.</li> <li>Four inactive nests were identified within the project site, and removal was recommended.</li> <li>The old great blue heron nest was observed in the eucalyptus (<i>Eucalyptus</i> sp.) tree, which is located along the western fence line of the northern laydown area.</li> <li>No additional observations were noted.</li> </ul> <p><b>Other Observations/Comments:</b></p> <ul style="list-style-type: none"> <li>Minor litter was observed within the site. A request was submitted to the contractor to conduct litter removal.</li> <li>Uncovered trash receptacles were observed within the site. A request was submitted to the contractor to cover all trash receptacles.</li> <li>No additional observations were noted.</li> </ul>																	
<b>Items Requiring Action/Follow-up</b>																	
<ul style="list-style-type: none"> <li>A request was submitted to the contractor to conduct litter removal and to cover all trash receptacles.</li> </ul>																	

**Wildlife Species Observed**

Allen's hummingbird (*Selasphorus sasin*), American bushtit (*Psaltiriparus minimus*), American crow (*Corvus brachyrhynchos*), American kestrel (*Falco sparverius*), American peregrine falcon, Anna's hummingbird (*Calypte anna*), black-chinned hummingbird (*Archilochus alexandri*), black phoebe (*Sayornis nigricans*), Brandt's cormorant (*Phalacrocorax penicillatus*), California brown pelican, California gull, California towhee (*Melospiza crissalis*), common yellowthroat (*Geothlypis trichas*), double-crested cormorant, European starling (*Sturnus vulgaris*), great blue heron, hermit thrush (*Catharus guttatus*), house finch (*Haemorhous mexicanus*), house sparrow (*Passer domesticus*), house wren (*Troglodytes aedon*), Lincoln's sparrow (*Melospiza lincolnii*), mallard (*Anas platyrhynchos*), marsh wren (*Cistothorus palustris*), mourning dove (*Zenaida macroura*), orange-crowned warbler (*Vermivora celata*), ring-necked duck (*Aythya collaris*), rock pigeon (*Columba livia*), ruby-crowned kinglet (*Regulus calendula*), Say's phoebe, song sparrow (*Melospiza melodia*), western fence lizard (*Sceloporus occidentalis*), western gull (*Larus occidentalis*), white-crowned sparrow (*Zonotrichia leucophrys*), and yellow-rumped warbler (*Setophaga coronata*).

**Photo 1**

<b>Location</b>	EPS site	<b>Description</b>	Overview of the northern laydown area, facing southwest. No demolition activity is occurring within the area at this time.
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Photo 2



Location	EPS site	Description	Remains from an American peregrine falcon kill was observed within the EPS site. The predated remains were discarded.
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Photo 3



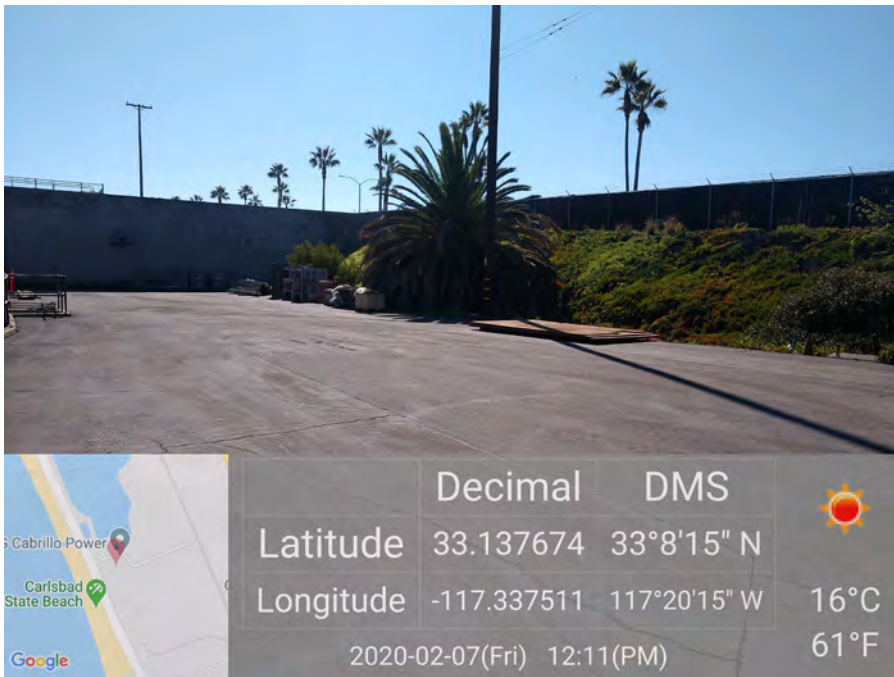
Location	EPS site	Description	Overview of the EPS exterior.
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Photo 4



Location	EPS site	Description	Overview of the EPS roof.
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Photo 5



Location	EPS site	Description	Overview of the western portion of the EPS site. Facing southwest.
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NRG Energy Encina Power Station (EPS) Project					
BIOLOGICAL RESOURCES					
COMPLIANCE MONITORING LOG					
Date		Monitor			Time (Begin-End)
February 14, 2020		Melissa Fowler			07:00-12:25
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment
46	81	0	N	Good (8.0 mi)	0% cloud cover
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><b>Nesting Bird Observations:</b></p> <ul style="list-style-type: none"> <li>An American kestrel (<i>Falco sparverius</i>) pair was observed in the northern laydown area, but no active nest cavity was identified.</li> <li>An inactive common raven (<i>Corvus corax</i>) nest was observed on the lattice satellite tower. No activity was observed at the nest.</li> <li>House finch (<i>Haemorrhous mexicanus</i>) pairs were observed within the EPS site, but no active nests were identified.</li> <li>A mourning dove (<i>Zenaida macroura</i>) pair was observed on the EPS roof, but no active nest was identified.</li> <li>No additional nesting behaviors were observed.</li> </ul> <p><b>Special-Status Species Observed:</b></p> <ul style="list-style-type: none"> <li>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.</li> <li>A California gull (<i>Larus californicus</i>; CDFW Watch List [WL]) was observed within the project vicinity.</li> <li>Double-crested cormorants (<i>Phalacrocorax auratus</i>; CDFW WL) were observed within the project vicinity.</li> <li>A great egret (<i>Ardea alba</i>; California Department of Forestry [CDF] Sensitive [S]) was observed within the project vicinity.</li> <li>An osprey (<i>Pandion haliaetus</i>; CDFW WL; CDF S) was observed within the project vicinity.</li> <li>No additional special-status species were observed.</li> </ul> <p><b>Other Biological Resources Observations:</b></p> <ul style="list-style-type: none"> <li>No additional observations were noted.</li> </ul> <p><b>Other Observations/Comments:</b></p> <ul style="list-style-type: none"> <li>Minor litter was observed within the site. A request was submitted to the contractor to conduct litter removal.</li> <li>An uncovered trash can was observed within the site. A request was submitted to the contractor to cover all trash receptacles.</li> <li>No additional observations were noted.</li> </ul>					
Items Requiring Action/Follow-up					
<ul style="list-style-type: none"> <li>A request was submitted to the contractor to conduct litter removal and to cover all trash receptacles.</li> </ul>					
Wildlife Species Observed					
<p>American bushtit (<i>Psaltiriparus minimus</i>), American crow (<i>Corvus brachyrhynchos</i>), American kestrel, Anna's hummingbird (<i>Calypte anna</i>), black phoebe (<i>Sayornis nigricans</i>), Brandt's cormorant (<i>Phalacrocorax penicillatus</i>), California brown pelican, common raven, desert cottontail (<i>Sylvilagus audubonii</i>), double-crested cormorant, European starling (<i>Sturnus vulgaris</i>), great egret, Heermann's gull (<i>Larus heermanni</i>), house finch, killdeer (<i>Charadrius vociferus</i>), lesser goldfinch (<i>Spinus psaltria</i>), mallard (<i>Anas platyrhynchos</i>), mourning dove, osprey, pied-billed grebe (<i>Podilymbus podiceps</i>), rock pigeon (<i>Columba livia</i>), 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>), and yellow-rumped warbler (<i>Setophaga coronata</i>).</p>					

Photo 1



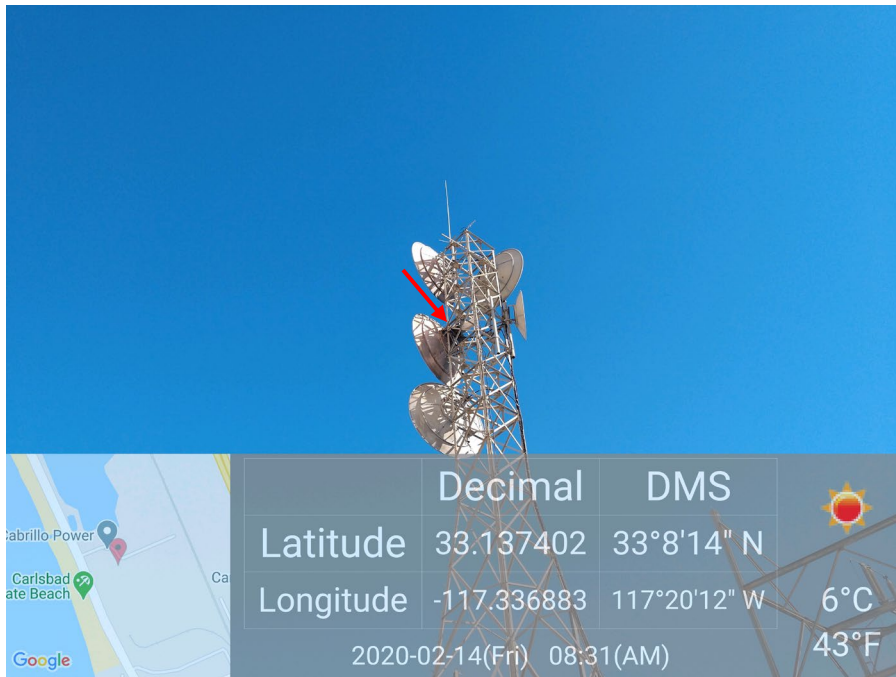
Location

EPS site

Description

Overview of the swale on the western side of the northern laydown area, facing northeast.

Photo 2



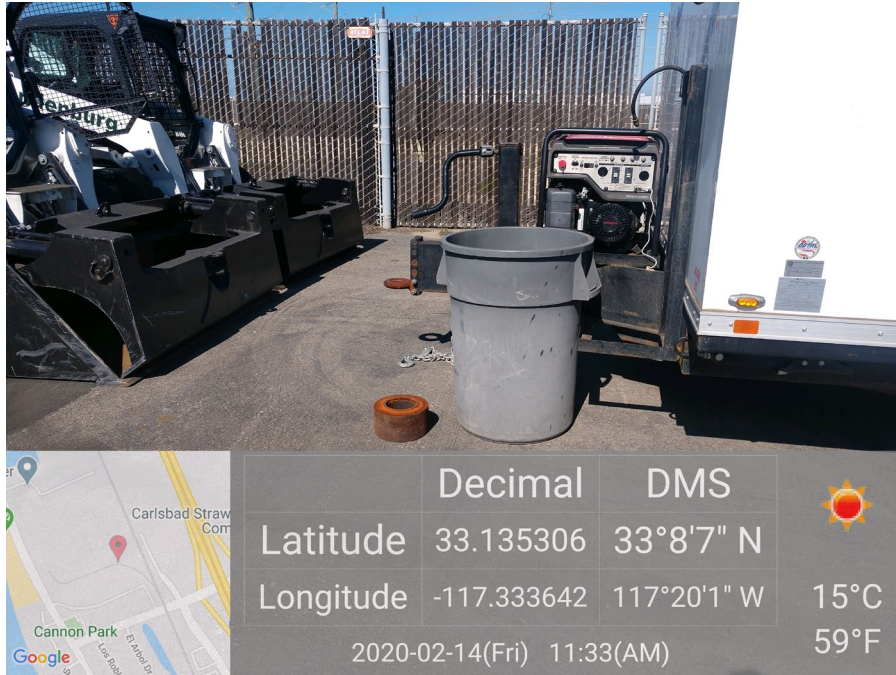
Location

EPS site

Description

An inactive common raven nest was found on the lattice satellite tower (red arrow).

Photo 3



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

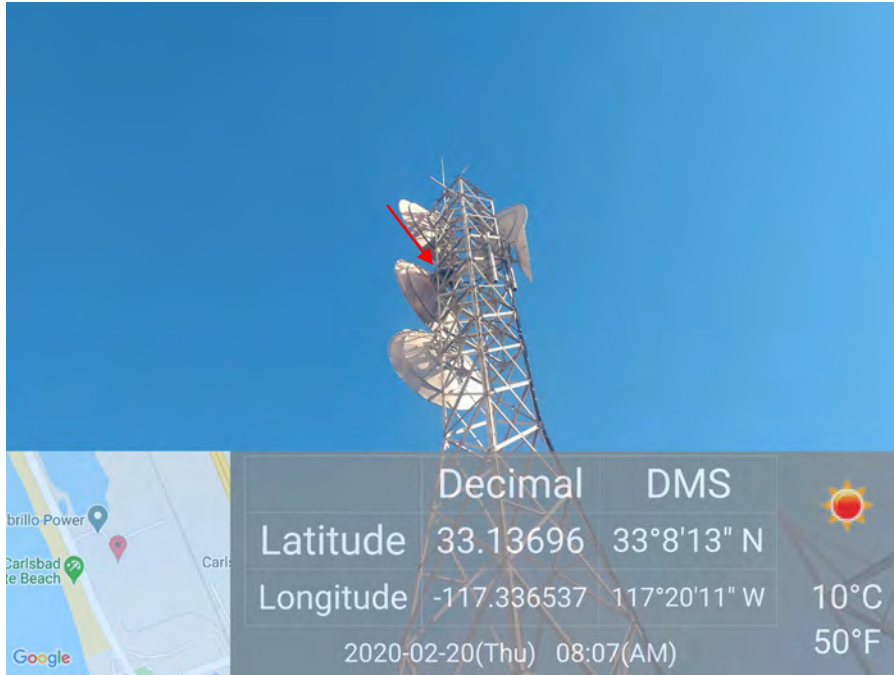


Location	EPS site	Description	A mourning dove pair was observed on the EPS roof, but no active nest was identified.
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NRG Energy Encina Power Station (EPS) Project					
BIOLOGICAL RESOURCES					
COMPLIANCE MONITORING LOG					
Date		Monitor			Time (Begin-End)
February 20, 2020		Melissa Fowler			07:00-12:05
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment
49	85	0	N	Moderate (5.0 mi)	0% cloud cover
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><b>Nesting Bird Observations:</b></p> <ul style="list-style-type: none"> <li>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 within the transmission bay, but no active nest was observed.</li> <li>House finch (<i>Haemorrhous mexicanus</i>) and mourning dove (<i>Zenaida macroura</i>) pairs were observed on the EPS roof, but no active nests were identified.</li> <li>No active nests were observed.</li> </ul> <p><b>Special-Status Species Observed:</b></p> <ul style="list-style-type: none"> <li>American peregrine falcons were observed within the project site.</li> <li>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.</li> <li>A California gull (<i>Larus californicus</i>; CDFW Watch List [WL]) was observed within the project vicinity.</li> <li>Double-crested cormorants (<i>Phalacrocorax auratus</i>; CDFW WL) were observed within the project vicinity.</li> <li>No additional special-status species were observed.</li> </ul> <p><b>Other Biological Resources Observations:</b></p> <ul style="list-style-type: none"> <li>No additional observations were noted.</li> </ul> <p><b>Other Observations/Comments:</b></p> <ul style="list-style-type: none"> <li>No additional observations were noted.</li> </ul>					
Items Requiring Action/Follow-up					
<ul style="list-style-type: none"> <li>None.</li> </ul>					
Wildlife Species Observed					
<p>Allen's hummingbird (<i>Selasphorus sasin</i>), American crow (<i>Corvus brachyrhynchos</i>), American peregrine falcon, 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>), double-crested cormorant, European starling (<i>Sturnus vulgaris</i>), house finch, lesser goldfinch (<i>Spinus psaltria</i>), marsh wren (<i>Cistothorus palustris</i>), mourning dove, rock pigeon (<i>Columba livia</i>), royal tern (<i>Thalasseus maximus</i>), western fence lizard (<i>Sceloporus occidentalis</i>), western gull (<i>Larus occidentalis</i>), white-throated swift (<i>Aeronautes saxatalis</i>), wrentit (<i>Chamaea fasciata</i>), and yellow-rumped warbler (<i>Setophaga coronata</i>).</p>					

Photo 1



<b>Location</b>	EPS site	<b>Description</b>	No activity was observed at the common raven on the lattice satellite tower (red arrow).
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Photo 2



<b>Location</b>	EPS site	<b>Description</b>	Overview of the northern laydown area, facing southwest.
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Photo 3



Location	EPS site	Description	Overview of the Agua Hedionda Lagoon, facing north.
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Photo 4



Location	EPS site	Description	Overview of the eastern portion of the Southern California Edison (SCE) switchyard (this is part of the demolition contractor access route).
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# NRG Energy Encina Power Station (EPS) Project

## BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

Date		Monitor			Time (Begin-End)	
February 28, 2020		Melissa Fowler			06:45-13:50	
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment	
63	90	3	N	Good (10.0 mi)	90% cloud cover	
<b>Location(s) of Work Site Activities Monitored</b>						
NRG EPS site.						
<b>Summary of Biological Resources Monitoring Observations</b>						
<p>Biological resources monitoring for biological constraints, special-status species, and nesting birds was conducted at the NRG EPS site.</p> <p><b>Nesting Bird Observations:</b></p> <ul style="list-style-type: none"> <li>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 within the transmission bay, but no active nest was observed.</li> <li>House finch (<i>Haemorrhous mexicanus</i>) and mourning dove (<i>Zenaida macroura</i>) pairs were observed on the EPS roof, but no active nests were identified.</li> <li>A killdeer (<i>Charadrius vociferus</i>) pair was observed within the northern laydown area, but no active nest was identified.</li> <li>The inactive common raven (<i>Corvus corax</i>) nest was removed from the satellite tower and a deceased common raven was found within the nest. The old nest and carcass were disposed of according to site guidelines.</li> <li>Four inactive nests were removed from the warehouses (three house finch nests and one mourning dove nest) within the southeastern corner of the EPS site. In addition, two cavities were sealed off to prevent nesting.</li> <li>No active nests were observed.</li> </ul> <p><b>Special-Status Species Observed:</b></p> <ul style="list-style-type: none"> <li>American peregrine falcons were observed within the project site.</li> <li>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.</li> <li>A California gull (<i>Larus californicus</i>; CDFW Watch List [WL]) was observed within the project vicinity.</li> <li>Double-crested cormorants (<i>Phalacrocorax auratus</i>; CDFW WL) were observed within the project vicinity.</li> <li>A great blue heron (<i>Ardea herodias</i>; California Department of Forestry [CDF] Sensitive [S]) was observed within the project vicinity.</li> <li>A great egret (<i>Ardea alba</i>; CDF S) was observed within the project vicinity.</li> <li>No additional special-status species were observed.</li> </ul> <p><b>Other Biological Resources Observations:</b></p> <ul style="list-style-type: none"> <li>No additional observations were noted.</li> </ul> <p><b>Other Observations/Comments:</b></p> <ul style="list-style-type: none"> <li>No additional observations were noted.</li> </ul>						
<b>Items Requiring Action/Follow-up</b>						
<ul style="list-style-type: none"> <li>None.</li> </ul>						

**Wildlife Species Observed**

American crow (*Corvus brachyrhynchos*), American peregrine falcon, black phoebe (*Sayornis nigricans*), California brown pelican, California gull, California towhee (*Melospiza crissalis*), common raven, double-crested cormorant, European starling (*Sturnus vulgaris*), great blue heron, great egret, house finch, killdeer, mourning dove, western gull (*Larus occidentalis*), white-crowned sparrow (*Zonotrichia leucophrys*), and yellow-rumped warbler (*Setophaga coronata*).

**Photo 1**

<b>Location</b>	EPS site	<b>Description</b>	A cavity on the warehouse siding was sealed off to prevent nesting within the warehouse.
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Photo 2



Location

EPS site

Description

Overview of the northern laydown area, facing southwest.

Photo 3



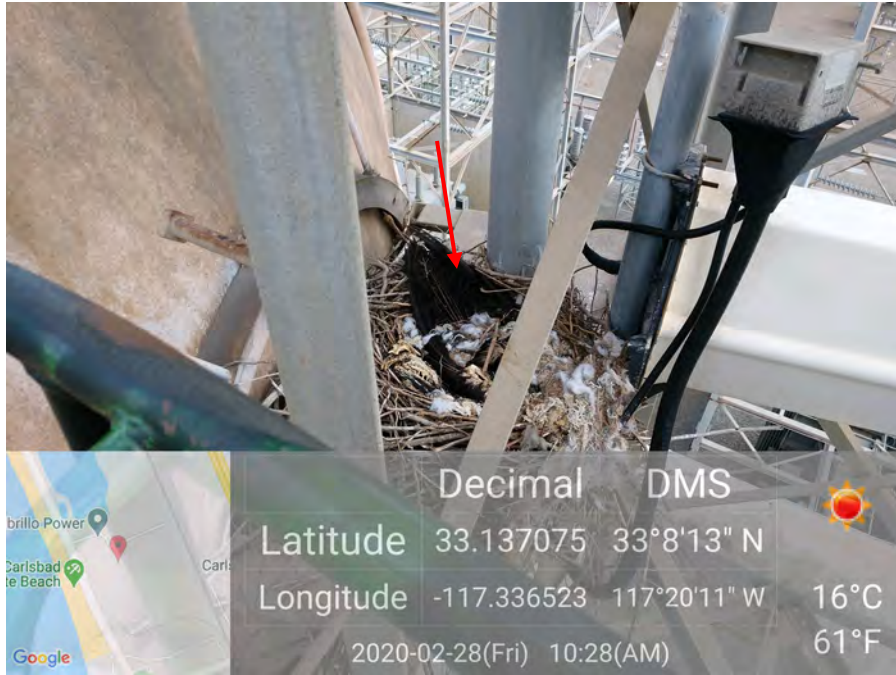
Location

EPS site

Description

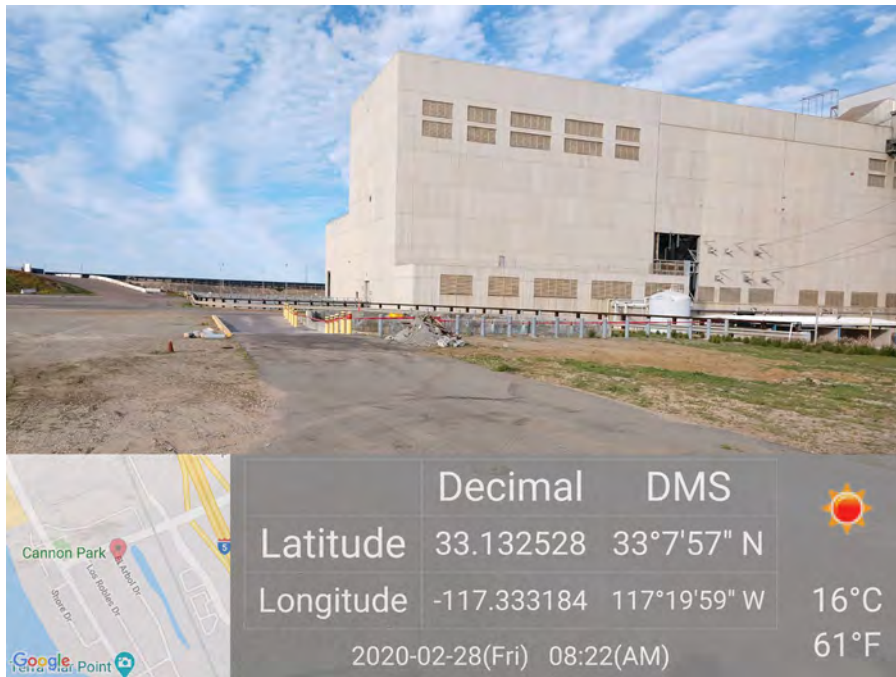
The American peregrine falcon pair was observed within the transmission bay.

Photo 4



Location	EPS site	Description	A deceased common raven was found in an inactive nest on the satellite tower (red arrow).
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Photo 5



Location	EPS site	Description	Overview of the EPS building, facing west.
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*Appendix B*  
*Observed Wildlife Species List*



**Observed Wildlife Species List February 2020  
Encina Power Station**

Common Name	Scientific Name	Status Federal/State/Other
<b>Birds</b>		
Allen's hummingbird	<i>Selasphorus sasin</i>	--/--/--
American bushtit	<i>Psaltirparus minimus</i>	--/--/--
American crow	<i>Corvus brachyrhynchos</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>	--/--/--
Black-chinned hummingbird	<i>Archilochus alexandri</i>	--/--/--
Black phoebe	<i>Sayornis nigricans</i>	--/--/--
Brandt's cormorant	<i>Phalacrocorax penicillatus</i>	--/--/--
California brown pelican	<i>Pelecanus occidentalis californicus</i>	--/FP/--
California gull	<i>Larus californicus</i>	--/WL/--
California towhee	<i>Melospiza crissalis</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>	--/--/--
Hermit thrush	<i>Catharus guttatus</i>	--/--/--
House finch	<i>Haemorhous mexicanus</i>	--/--/--
House sparrow	<i>Passer domesticus</i>	--/--/--
House wren	<i>Troglodytes aedon</i>	--/--/--
Killdeer	<i>Charadrius vociferus</i>	--/--/--
Lesser goldfinch	<i>Spinus psaltria</i>	--/--/--
Lincoln's sparrow	<i>Melospiza lincolnii</i>	--/--/--
Mallard	<i>Anas platyrhynchos</i>	--/--/--
Marsh wren	<i>Cistothorus palustris</i>	--/--/--
Mourning dove	<i>Zenaida macroura</i>	--/--/--
Orange-crowned warbler	<i>Vermivora celata</i>	--/--/--
Osprey	<i>Pandion haliaetus</i>	--/WL/CDF: S
Pied-billed grebe	<i>Podilymbus podiceps</i>	--/--/--
Ring-necked duck	<i>Aythya collaris</i>	--/--/--
Rock pigeon	<i>Columba livia</i>	--/--/--
Royal tern	<i>Thalasseus maximus</i>	--/--/--
Ruby-crowned kinglet	<i>Regulus calendula</i>	--/--/--
Say's phoebe	<i>Sayornis saya</i>	--/--/--

Song sparrow	<i>Melospiza melodia</i>	--/--/--
Western gull	<i>Larus occidentalis</i>	--/--/--
White-crowned sparrow	<i>Zonotrichia leucophrys</i>	--/--/--
White-throated swift	<i>Aeronautes saxatalis</i>	--/--/--
Wrentit	<i>Chamaea fasciata</i>	--/--/--
Yellow-rumped warbler	<i>Setophaga coronata</i>	--/--/--
<b>Mammals</b>		
California ground squirrel	<i>Otospermophilus beecheyi</i>	--/--/--
Desert cottontail	<i>Sylvilagus audubonii</i>	
Raccoon (tracks)	<i>Procyon lotor</i>	--/--/--
<b>Reptiles</b>		
Western fence lizard	<i>Sceloporus occidentalis</i>	--/--/--

**Source:**

California Department of Fish and Wildlife (CDFW), Natural Diversity Database. August 2019. Special Animals List. Periodic publication. 67 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*

**AES Southland Development Huntington Beach Energy Project (HBEP)**  
**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. If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1173 or [mfowler@butier.com](mailto:mfowler@butier.com). In the event the DB cannot be reached, contact Jeff Miller/AES Environmental Coordinator at (916) 747-4847 or [jeff.miller@aes.com](mailto:jeff.miller@aes.com). After you have contacted the DB or Environmental Coordinator, please complete this "Wildlife Observation Form".

Date	Observer	Observer's Employer
<b>Location of Observation</b>		
<b>Wildlife Species</b>	<b>Condition of Wildlife (alive/dead)</b>	
<b>Cause of Injury or Mortality</b> (Don't speculate, If unknown, enter "unknown")		
<b>Current Location of Animal</b>		
<b>Is the Biological Resource in Danger of Being Impacted by Project or Other Site Activities?</b>		
Yes	<input type="checkbox"/>	No <input type="checkbox"/> N/A <input type="checkbox"/>
<b>If Yes, Explain</b>		
<b>Additional Comments</b>		

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Photo 1	
Description	

Photo 2	
Description	

---

## AES Southland Development Huntington Beach Energy Project (HBEP)

### 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. If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1173 or [mfowler@butier.com](mailto:mfowler@butier.com). In the event the DB cannot be reached, contact Jeff Miller/AES Environmental Coordinator at (916) 747-4847 or [jeff.miller@aes.com](mailto:jeff.miller@aes.com). After you have contacted the DB or Environmental Coordinator, please complete this "Wildlife Observation Form".

Date	Observer	Observer's Employer
<b>Location of Observation</b>		
<b>Wildlife Species</b>	<b>Condition of Wildlife (alive/dead)</b>	
<b>Cause of Injury or Mortality</b> (Don't speculate, If unknown, enter "unknown")		
<b>Current Location of Animal</b>		
<b>Is the Biological Resource in Danger of Being Impacted by Project or Other Site Activities?</b>		
Yes	<input style="width: 40px;" type="checkbox"/>	No <input style="width: 40px;" type="checkbox"/> N/A <input style="width: 40px;" type="checkbox"/>
<b>If Yes, Explain</b>		
<b>Additional Comments</b>		

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<b>Photo 1</b>	
	
<b>Description</b>	

<b>Photo 2</b>	
	
<b>Description</b>	

**ATTACHMENT E**

**CUL-5 AND PAL-5  
CERTIFICATION OF COMPLETION,  
WORKER ENVIRONMENTAL AWARENESS PROGRAM,  
FEBRUARY 2020**

***No WEAP training required in February 2020***



**ATTACHMENT F**

**CUL-6/PAL-6  
PALEONTOLOGICAL RESOURCE MONITORING  
FEBRUARY 2020**

***No monitoring required in February 2020***

**ATTACHMENT G**

**COMPLIANCE-6  
SUMMARY TABLE OF NOISE HOTLINE CALLS  
FEBRUARY 2020**

***No Noise Hotline calls in February 2020***

**ATTACHMENT H**

**TRANS-5  
ROADWAY INSPECTION  
FEBRUARY 2020**

***There was no heavy construction-equipment traffic for demolition of  
Encina Power Station in February 2020***

**ATTACHMENT I**

**TRANS-6  
TRANSPORTATION PERMITS  
FEBRUARY 2020**

***No transportation permits were obtained in February 2020***

**ATTACHMENT J  
TRANS-8  
TRAFFIC ENCROACHMENT PERMITS  
FEBRUARY 2020**

***No traffic encroachment permits were obtained in February 2020***

**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, February 2020.

Phase IV Demolition (Started November 2019)

Potable Water Used\*: 0 gallons

Reclaim Water Used\*\*: 0 gallons

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**Completed Phase(s)**

Phase I Demolition (Completed August 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 October 2019)

Potable Water Used\*: 0 gallons

Reclaim Water Used\*\*: 0 gallons

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Cumulative Water Use Phase I, II, III, IV

Potable Water Used: 7,188,140 gallons

Reclaim Water Used: 13,145,265 gallons

\*Potable use includes sanitary, hydrotesting, landscape irrigation, and other plant operations, including Phase III Decommissioning not suitable for reclaim water use (worker contact applications). Non-power generation operations for cooling water pump operations for the Carlsbad Desalination Plant occurs during Phase III and IV until the desalination self-supplies ocean water.

\*\*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 February 2020.*



**ATTACHMENT L**

**GEN-2 and TSE-1  
MASTER DRAWING LIST UPDATE  
FEBRUARY 2020**

***No master drawing list exists for demolition in February 2020***

**ATTACHMENT M**

**GEN-3  
PROOF OF PAYMENT TO DCBO  
FEBRUARY 2020**



**WEST COAST CODE CONSULTANTS, Inc.**  
 2400 Camino Ramon, Suite 240  
 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

<b>Date:</b>	February 19, 2020
<b>Invoice No. :</b>	220-01-CARL-01
<b>Due Date:</b>	Upon Receipt
<b>PO Number:</b>	4501900578

Type of Service: Delegate Building Official Services

<b>Project: Carlsbad Energy Project</b>
<b>October 2019 ~ January 2020</b>

**Field Inspection**

<b>S. Hermsmeyer - DCBO</b>	<b>Hours</b>	<b>Unit</b>	<b>Per Diem Rate</b>	<b>Rate</b>	<b>Amount</b>
Regular Hours	53.00			\$240.00	\$ 12,720.00
OT Hours	0.00			\$360.00	\$ -
Dbt. OT Hours	0.00			\$480.00	\$ -
Lodging					\$ 443.68
Meals					\$ 18.90
Gas					\$ 190.00
<b>Chris Garramone - Lead Onsite Inspector</b>	<b>Hours</b>	<b>Unit</b>		<b>Rate</b>	<b>Amount</b>
Regular Hours	0.00			\$195.00	\$ -
Airfare					\$ -
Lodging					\$ -
Meals					\$ -
Rental Car					\$ -
Parking					\$ -
Gas					\$ -
<b>Kent Ward - Onsite Inspector</b>	<b>Hours</b>	<b>Unit</b>		<b>Rate</b>	<b>Amount</b>
Regular Hours	0.00			\$170.00	\$ -
Airfare					\$ -
Lodging					\$ -
Meals					\$ -
Rental Car					\$ -
Parking					\$ -
Gas					\$ -
<b>Gary Ray - Onsite Inspector</b>	<b>Hours</b>	<b>Unit</b>		<b>Rate</b>	<b>Amount</b>
Regular Hours	0.00			\$170.00	\$ -
Airfare					\$ -
Lodging					\$ -
Meals					\$ -
Rental Car					\$ -
Parking					\$ -
Gas					\$ -
<b>CBO Staff &amp; Consultants</b>					
<b>CBO - Chris Kimball</b>	22.00			\$315.00	\$ 6,930.00
Airfare					\$ 451.60
Lodging					\$ 153.93
Meals					\$ 70.78
Rental Car					\$ 91.38
Parking					\$ 19.00
Gas					\$ 4.30
Fire Marshal	0.00			\$315.00	\$ -
Lead Structural Plan Review Engineer	0.00			\$240.00	\$ -
Lead Electrical Plan Review Engineer	2.00			\$240.00	\$ 480.00
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	2.00			\$120.00	\$ 240.00
Project Assistant	1.00			\$120.00	\$ 120.00
<b>Supplies</b>					
				\$	-
<b>Electronic Document Control</b>					
Web Based Document Control - Initial Cost				\$	-
Monthly Cost	1	\$	1,000.00		\$ 1,000.00

<b>Total</b>	<b>\$ 22,933.57</b>
<b>Deposit</b>	<b>\$ -</b>
<b>Total This Invoice</b>	<b>\$ 22,933.57</b>

**ATTACHMENT N**

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

**FEBRUARY 2020**

***No DCBO approvals or inspections were conducted for demolition in  
February 2020***

**LIST OF DCBO PLAN APPROVALS  
AND INSPECTIONS  
FEBRUARY 2020**

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

<b>CBO Package No.</b>	<b>Date Submitted</b>	<b>Description</b>	<b>COC</b>

**CBO MECHANICAL INSPECTIONS  
FEBRUARY 2020**

<b>CBO Package No.</b>	<b>Date Submitted</b>	<b>Description</b>	<b>COC</b>

**ATTACHMENT O**

**WORKER SAFETY-3  
CONSTRUCTION SAFETY SUPERVISOR  
MONTHLY SAFETY REPORT  
FEBRUARY 2020**

**MONTHLY SAFETY REPORT**

March 2, 2020

This letter serves as a summary of safety related activities for the month February 2020.

During the month of February a total of 6 employees completed site training for the Encina Power Station demolition project. Trained personnel consists of employees from Brandenburg and Aurora Industrial Hygiene.

Brandenburg had 23 working days in the month of February. On each of these days, a major Tool Box Talk was conducted with all site personnel in the morning. Brandenburg also completed on average seven additional Tool Box Talks that covered task specific TSAs after the primary tool box talk.

Brandenburg completed a monthly safety topic training for all employees covering Hand Injury Prevention as well as correct glove usage and proper hand placement.

Brandenburg completed two Stand Down Trainings focusing on working around heavy equipment and fall protection.

Brandenburg management completed 35 documented safety related inspections.

Brandenburg completed 588 Safety Observations (SOS submittals) for the month of February. See attached PowerPoint that reviews the specific data of these observations.

There have been no incidents.

Benjamin Gallina - BISCO Project Safety Manager




BISCO Employee List

Employee Name	Onboard Date
Kevin Smith	11/4/2019
Anthony Carlson	11/4/2019
Benjamin Gallina	11/4/2019
Victor Bautista-Bernal	11/4/2019
Anjanette Ozuna	11/14/2019
Zdenko Krajina	11/18/2019
Zore Bauloski	11/18/2019
Marjanche Bogeski	11/18/2019
Atanas Gegov	11/18/2019
Daniel Yordanov	11/18/2019
Bryan Steele	11/25/2019
Alan Tanner	12/2/2019
Jesse Cardenas	12/5/2019
Hector Flores Santana	12/5/2019
Luis Marin	12/6/2019
Jessie Munoz	12/6/2019
Goran Arsov	12/9/2019
Baltazar Belman	12/9/2019
Elmer Cuenca Basterio	12/9/2019
Ljupco Micevski	12/9/2019
Saul Lara Jr.	12/10/2019
Eric Dobbins	12/12/2019
David Garcia	12/13/2019
Jose Chairez	12/13/2019
Graciela Sandoval	12/16/2019
Daniel Encinas	12/16/2019
Jose Cueva Jr	1/8/2020
Shane Crawford	1/9/2020
Elizabeth Flores	1/9/2020
Travis Golden	1/6/2020
Jose Hernandez Villanueva	1/6/2020
Carlos Macias	1/6/2020
Matthew Maclachlan	1/6/2020
Thomas Madrid	1/10/2020
Humberto Moreno	1/10/2020
Jesus Navarro	1/6/2020
William Nichols	1/10/2020
Jesus Parra	1/6/2020
Maria Tapia	1/8/2020
Roberto Verduga	1/7/2020
Juan Antonetty	1/13/2020
Victor Baez	1/13/2020
Miguel Cuik Vergara	1/13/2020

Giovanni Franklin	1/13/2020
Orestes Hernandez-Fardales	1/13/2020
Jose Limon	1/13/2020
Casimiro Lopez	1/14/2020
Jonathon Lopez	1/14/2020
Julio Martinez Garofalo	1/13/2020
Victor Navarro Garcia	1/13/2020
Karina Puente Renteria	1/16/2020
Luis Quevedo	1/14/2020
Helen Torres Puente	1/16/2020
Artermio Burciaga	1/20/2020
Carlos De Loa	1/31/2020
Tony Scott	2/10/2020
Allison Coffman	2/10/2020
Javier Munoz	2/26/2020

**ATTACHMENT P**

**WORKER SAFETY-4  
CBO SAFETY MONITOR INSPECTION  
MONTHLY SAFETY REPORT  
FEBRUARY 2020**

	<b>West Coast Code Consultants, Inc.</b> <b>2400 Camino Ramon Blvd. #240</b> <b>San Ramon, CA. 94583</b> <b>925-275-1700</b>				Report #	2/6/2020	
					Page:	1 Of 3	
					Day:	Thursday	
					Project #:	# 07-AFC-06C	
<b>DCBO Safety Monitors Site Report</b>							
Project Name		ENCINA DEMOLITION / NRG 07-AFC-06C				Date	2/6/20
Project Location		4600 Carlsbad Blvd. CARLSBAD, CA. 92008				Time Arrived	9:00 AM
General Contractor		BRANDENBERG / BISCO				Time Departed	3:00 PM
Inspectors	<input checked="" type="checkbox"/> Field Report		<input type="checkbox"/> Notice to Comply NC #		Date Cleared	2/10/2020	
STEVE HERMSMEYER	<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 69 degrees UV 5 Wind 3-5 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:	Walked Site Levels Unit 3 Demo in progress of portable buildings at site						

DOCKET # 07-AFC-06C

**Project Name: ENCINA DEMOLITION Phase 4**

**DATE 2/6/2020**

**TIME: 0900 hrs.**

**Persons Contacted:** Ralph Wagner, NRG Project Director; Tommy Brister, NRG Site Safety Manager; Benjamin Gallina, BISCO Site Safety Manager; Scott A. Parker, BISCO MS, CSP, SGE, EH&S Manager

### DESCRIPTION of VISIT & FINDINGS:

Arrived at site checked-in with Security at Gate #1, initial contact with Ralph Wagner, NRG Project Director, discussed current status of ongoing work activity. BISCO has begun the Demo of the water storage tanks (2) at the southern side of the project, currently one tank is approx. 50% completed. Scrap material is loaded, weighed and hauled to a recycling facility. Demolition of a temporary portable is complete and clean-up is in progress. Containment installation is ongoing in Unit 3 scheduled for completion in 2-3 weeks. We were joined by Tommy Brister, NRG Site Safety Manager and Benjamin Gallina, BISCO Site Safety Manager, & Scott A. Parker, BISCO MS, CSP, SGE, EH&S Manager. Began a tour of the active work in Unit 3 and demo and housekeeping at the exterior of the Encina Building. Oil piping has been removed from the Unit and sectioned and wrapped in protective poly stored at the exterior awaiting loading and haulaway. Craft workers were all observed to be wearing required PPE and all worksites were found to have displayed the BISCO TSA documents describing each worksites work activity and notifications to workers of hazards to be found at that location and a sign-off sheet by the employee acknowledging his/her awareness and reading of the TSA. All procedures are compliant and described in the BISCO HASP.

At the conclusion of the tour a discussion took place with Scott A. Parker, BISCO MS, CSP, SGE, EH&S Manager and Safety Monitor concerning the importance and critical need for a high level of communication as the project enters into asbestos abatement and when completed, the active demo commencement. During the Asbestos work NRG who has retained the services of a Industrial Hygienist for sampling of air and containment area's, will be a component of the ongoing safety monitoring.

**FINDINGS:** During this visit all workers were observed to be actively engaged in site safety procedures, tool use , handling and housekeeping is keeping debris and C&D removed from site. Demo at the Water Tanks is performed by craftworkers in a man-lift utilizing cutting torches a spotter is in attendance as well as a fire watch and fire extinguishers are at the site and the area is cordoned off by secure fencing at the perimeter. Workers are wearing approved fall protection devices and are equipped with radios for communication.

#### **PHOTOS:**

**Photo #1:** Water Tank Demo in progress at South of Encina Plant Building by BISCO.



**Photo #2:** Craft Workers in aerial bucket cutting steel sections of water tank walls and center support column.



**Photo #3: Water Tank to be demoed north of current demo work.**





**Photo #4:** Floor opening protection closed after removal of jacket insulation from pipe penetration.





**Photo #5:** Removed sections of oil piping wrapped and taped in containment area prior to loading and removal.





**Photo #6:** Modular building siding taped, and poly wrapped for containment prior to removal and disposal.



**ATTACHMENT Q**

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

***No non-conformance reports for demolition in February 2020***