

DOCKETED

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Project Title:	01-AFC-7C Russell City Energy Company
TN #:	220698
Document Title:	Amendment to Russell City Energy Center's License (01-AFC-07C), Staff's Data Requests, Set 1, A1 through A16
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CALIFORNIA ENERGY COMMISSION

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Ms. Lauren Bresnahan,
EHS Specialist
Calpine Corporation – Russell City Energy Center
3862 Depot Road
Hayward, CA 94545

August 11, 2017

Re: **Amendment to Russell City Energy Center's License (01-AFC-07C), Staff's Data Requests, Set 1, A1 through A16**

Dear Ms. Bresnahan,

Pursuant to Title 20, California Code of Regulations, section 1716, the California Energy Commission staff requests the information specified in the enclosed data requests. The information requested is necessary to: 1) more fully understand the project, 2) assess whether the facility will be constructed and operated in compliance with applicable regulations, 3) assess whether the project will result in significant environmental impacts, and 4) assess potential mitigation measures.

These data requests, numbered A1 through A16, are being made in the technical areas of Cultural Resources, Socioeconomics, Traffic and Transportation and Visual Resources. Written responses to the enclosed data requests are due to the Energy Commission staff on or before September 11, 2017.

If you are unable to provide the information requested, need additional time, or object to providing the requested information, please send a written notice to the Committee and to me within 20 days of receipt of this notice. The notification must contain the reasons for the inability to provide the information or the grounds for any objections (see Title 20, California Code of Regulations, section 1716 (f)).

If you have any questions regarding the enclosed data requests, please call me at (916) 653-8236 or email me at John.Heiser@energy.ca.gov.

Sincerely,

A handwritten signature in blue ink that reads "John Heiser".

John Heiser
Siting Project Manager

Enclosure (Data Request Packet)

cc: Docket (01-AFC-07C)
POS List

**AMENDMENT TO RUSSELL CITY ENERGY CENTER'S
LICENSE
(01-AFC-07C)**

Energy Commission Staff's Data Requests Set 1, A1-A16

August 11, 2017

Technical Area: Cultural Resources
Author: Melissa Mourkas

BACKGROUND

The Petition to Amend (PTA) proposes to replace temporary storage tanks and secondary containment structures with a 6,667 gallon permanent tank for the storage of sodium hydroxide. It would be located at the same location as the existing temporary facilities, adjacent to the project's ZLD facility. The installation of the tank would be on a concrete foundation measuring 16 feet by 16 feet with a 6-inch curb. The double walled tank would not require any other secondary containment structures. Correspondence with the project owner on May 08, 2017 indicates there would be ground disturbance in "pre-existing fill" and that the excavation would be three feet in depth.

DATA REQUESTS

- A1. Please provide a site plan with the location of the proposed tank at both a scale that will enable staff to see the entire site and a close-up scale showing the facilities immediately adjacent to the project area.
- A2. Please confirm the depth of excavation would not exceed three feet.
- A3. Please describe any new piping or conduit that would involve ground disturbing activities such as trenching, boring or excavation for footings or other structures.
- A4. Please note and label on the site plans (see #1 above) the areas where ground-disturbance is proposed.
- A5. Please provide a site plan or map that clearly demarks the extent of the "pre-existing fill" area. If the source of the fill is known, please include that information.
- A6. Please note on a site plan or map the location of the proposed laydown and parking area(s) and describe the surface conditions and whether any ground disturbing activities would occur at the location(s).
- A7. Please provide a site plan or map that clearly indicates the location where the recent April 24, 2017, discovery of a cultural resource was found during excavation for the demineralization project and submit that under confidential cover. The goal is for staff to be able to discern the proximity to the current proposed project.
- A8. Please describe the temporary structures and the process required to remove them. Would that process require any ground disturbing activities?

Technical Area: Socioeconomics

Author: Ellen LeFevre

BACKGROUND

The amendment for sodium hydroxide tank installation proposes to “permanently install a 6,667 gallon tank for storage of sodium hydroxide” and “replace the temporary tanks and temporary secondary containment structures that are currently used”. (Page 1, section I)

DATA REQUEST

- A9. Please provide information on the workforce for the tank installation and removal of temporary tanks and secondary containment structures. How many workers would be required for the installation of the permanent tank and removal of the temporary tanks and secondary containment structures? What is the estimated length of time for completion of the installation and removal activities and when would they take place?

Technical Area: Traffic and Transportation

Author: John Hope

BACKGROUND

The Petition for Modification Section I, Description of the proposed modifications, states “[t]he Project Owner proposes to permanently install a 6,667 gallon tank for storage of sodium hydroxide, ... This on-site tank will be installed adjacent to the Project’s ZLD facility, and will replace the temporary tanks and temporary secondary containment structures that are currently used by the Project in that location. The tank is double-walled for secondary containment purposes and will be approximately 15 feet ¾ inches high, and 10 feet 2 inches in diameter. It will be placed on a permanent concrete foundation that measures 16 feet by 16 feet with a 6-inch curb.”

The Petition for Modification does not provide information related to the numbers of construction workers, trucks, and equipment will be needed to accomplish the proposed modification.

DATA REQUESTS

- A10. Please identify how many construction workers will be needed.
- A11. Please identify how many days/weeks the construction/installation activities will take.
- A12. Please identify the total number of trucks that will be used for hauling construction equipment and materials to the site.
- A13. Please identify the number of truck trips needed on an average daily basis (such as cement trucks).

Technical Area: Visual Resources
Author: John Hope

BACKGROUND

The Petition for Modification Section V, Visual Resources, states “[t]he proposed modification will permanently install a tank for use for the storage of water treatment chemicals. The proposed modification will not substantially degrade the existing visual character or quality of the site or its surroundings. The proposed modification will not create a new source of substantial light or glare which would adversely affect day or nighttime views in the area. Therefore, the proposed modification will not have a significant impact to visual resources.”

The Petition for Modification does not provide information related to location onsite of the tank or details of any accessory equipment/ piping.

DATA REQUESTS

- A14. Please identify on a site plan the location of the proposed tank on the project site.
- A15. Please identify and describe any accessory equipment/ piping associated with the proposed modification.
- A16. Please provide photos of existing conditions at the location onsite where the tank would be placed.