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May 18, 2015

Ms. Mary Dyas
California Energy Commission
Siting, Transmission and Engineering Division
1516 9th Street MS-46
Sacramento, CA 95814-5512

RE: Supplement #2 to the Sacramento Cogeneration Authority's Procter and Gamble Cogeneration Project (93-AFC-2C) Auxiliary Boiler 1B Project Petition to Amend

Dear Ms. Dyas:

The Sacramento Cogeneration Authority (SCA) respectfully submits this Supplement #2 as additional information for its October 2014 petition to the California Energy Commission (CEC) for post-certification license modification for the Sacramento Cogeneration Authority's (SCA) Procter and Gamble Cogeneration Project (PGCP) (93-AFC-2C) located at 5000 83rd Street, Sacramento, California.

Once you have reviewed this Supplement, please e-file it.

Please call me if you have any questions.

Sincerely,

CH2M HILL

John L. Carrier, J.D.
Program Manager

c: SMUD Project File

Supplement 2: Equipment Location

Addition of an Auxiliary Boiler and Associated Facilities

for the

Sacramento Cogeneration Authority's Procter and Gamble Cogeneration Project

Sacramento, California

(93-AFC-2C)

Submitted to

California Energy Commission

Submitted by

Sacramento Cogeneration Authority

May 2015

With Technical Assistance by

CH2MHILL

and

Sierra Research

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S2-1 Auxiliary Boiler Relocation and Design, General Arrangement

Acronyms and Abbreviations

ERCs	emission reduction credits
FRAQMD	Feather River Air Quality Management District
PGCP	Procter and Gamble Cogeneration Project
PTA	Petition to Amend
SCA	Sacramento Cogeneration Authority
SMAQMD	Sacramento Metropolitan Air Quality Management District

SECTION 1.0

Introduction

Sacramento Cogeneration Authority's (SCA) October 2014 petition for post-certification license amendment (Petition to Amend, or PTA) proposes to install an additional auxiliary boiler (Boiler 1B) and associated facilities at the Procter and Gamble Cogeneration Project (PGCP) site. The environmental impacts assessment presented in the PTA concludes that there will be no significant adverse environmental impacts associated with the implementation of the actions specified in the PTA. The associated air quality impacts were determined to be less than the levels currently being experienced at the PGCP facility. Therefore, the PTA concludes that not only will no adverse air quality effects on the environment occur because of the proposed changes to the project, but some minor environmental benefits will occur.

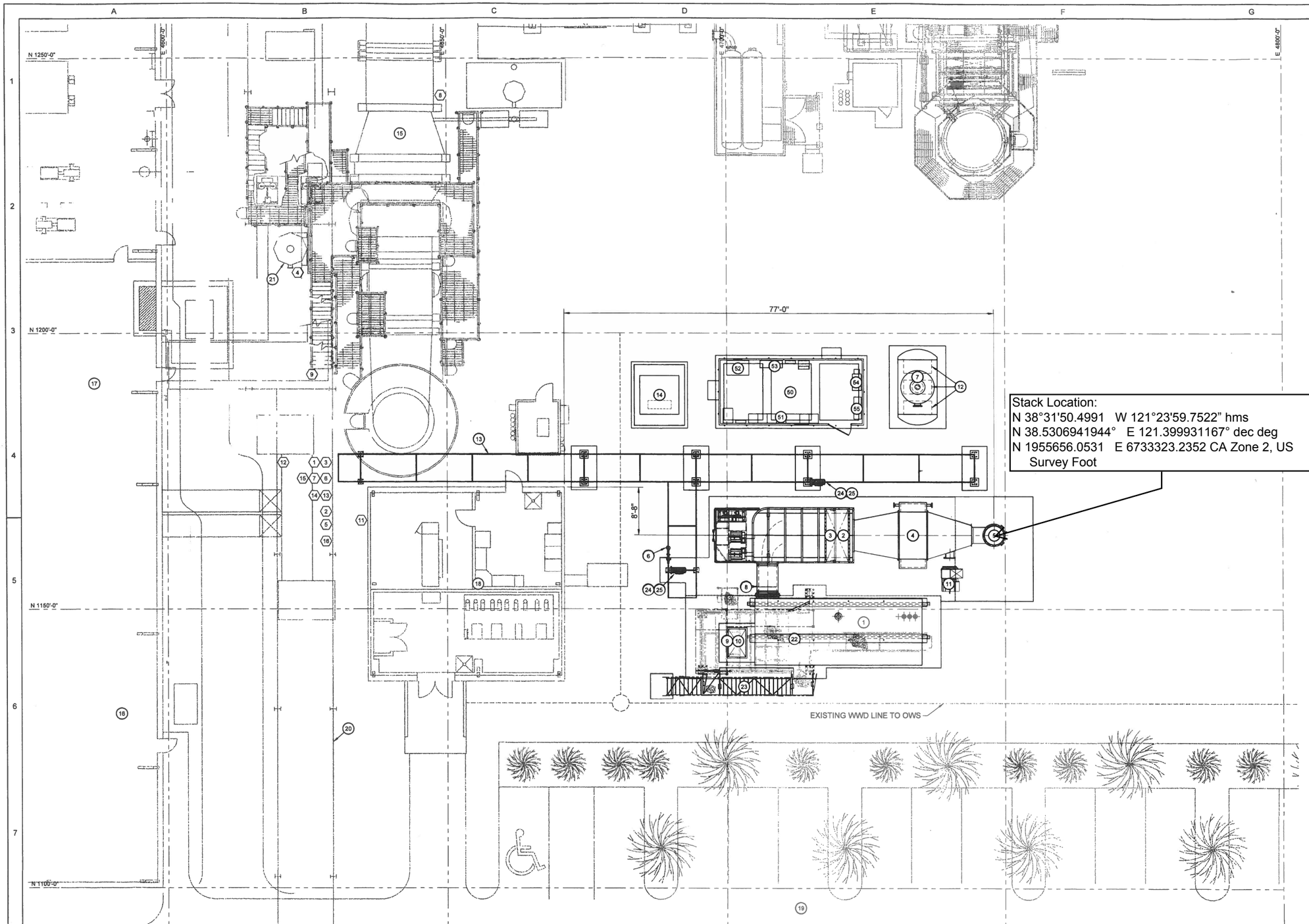
Nonetheless, the Sacramento Metropolitan Air Quality Management District (SMAQMD) determined that the project triggers emission offset requirements for pollutants nitrogen oxides, volatile organic compounds, fine particulate matter, and ultra-fine particulate matter under its rules and regulations. Accordingly, SCA proposes to use emission reduction credits (ERCs) owned by the Sacramento Municipal Utility District and located in the Feather River Air Quality Management District (FRAQMD). This will require that the ERCs be transferred from the FRAQMD to the SMAQMD for use at SCA's Sacramento facility. This documentation was provided in Supplement 1.

In addition, the project design has advanced since the PTA was first filed, and better location and design information for the new Boiler 1B is now available. It is provided in this Supplement 2.

SECTION 2.0

Equipment Location

Since the PTA was filed on October 30, 2014 design work on this project has continued to move forward. Figure S2-1 shows the latest general arrangement drawing of the new Boiler 1B at the plant site and provides the coordinates of the stack location. This information does not significantly change the stack location details previously submitted, nor does it affect the conclusions of the air quality analysis regarding insignificant project impacts.



Stack Location:
N 38°31'50.4991 W 121°23'59.7522" hms
N 38.5306941944° E 121.399931167° dec deg
N 1955656.0531 E 6733323.2352 CA Zone 2, US Survey Foot

PLAN
SCA SITE LAYOUT
SCALE: 1/8" = 1'-0"

PRELIMINARY
AS OF 5/14/15
NOT FOR CONSTRUCTION

N

8' 0 4' 8' 12' 16'
SCALE
SCALE IN FEET

LEGEND

1. AUXILIARY BOILER #2 (1B)
2. SCR REACTOR
3. CATALYST MODULES
4. ECONOMIZER
5. FLUE STACK
6. COMBINATION EYEWASH AND SAFETY SHOWER
7. DEAERATOR
8. AMMONIA INJECTION
9. BURNER (BELOW)
10. FD FAN
11. FGR BOOSTER FAN (RELOCATED)
12. BOILER FEED PUMPS (BELOW)
13. PIPE RACK
14. TRANSFORMER AND CONTAINMENT
15. EXISTING HRSG-1B
16. EXISTING CONTROL BUILDING
17. EXISTING ELECTRICAL BUILDING
18. EXISTING CHEMICAL FEED BUILDING
19. EXISTING PARKING/ ROADWAY
20. EXISTING PIPE RACK
21. EXISTING BLOWDOWN TANK
22. BOILER PLATFORMS (RELOCATED)
23. BOILER PLATFORM STAIRWAY
24. COMPRESSED AIR STATIONS
25. SERVICE WATER HOSE STATIONS

PEC BUILDING

50. PEC BUILDING
51. MCC
52. CEMS EQUIPMENT
53. SCR CONTROL PANEL
54. BOILER PLC CABINET
55. BOP PLC CABINET

TIE-POINT LEGEND

1. MAKE-UP WATER DEMIN
2. ELIMINOX FEED-DA
3. AUXILIARY STEAM
4. BOILER BLOWDOWN
5. AMINE FEED-DA
6. BOILER FEED WATER
7. FUEL GAS
8. AMMONIA
9. COMPRESSED AIR
10. NOT USED
11. SERVICE WATER
12. CONDENSATE RETURN
13. SAMPLE LINE-STEAM
14. SAMPLE LINE-DRUM WATER
15. SAMPLE LINE-BFW
16. PHOSPHATE FEED-BOILER

NOTES

1. NON-STRESS LINES 2" AND SMALLER TO BE FIELD ROUTED.
2. REFERENCE TIE-POINT LIST.

FIGURE S2-1

NO	REVISIONS	DATE	DRWN	DBND	CHKD	CHKD
C	SHIFTED BOILER, UPDATED SCR, & ADDED TIE POINTS	05/14/15	WDW	NHP	KJC	SSS
B	ISSUED FOR COMMENTS	03/12/15	THE	BL	KJC	SSS
A	ISSUED FOR COMMENTS	01/27/15				

SMUD
SACRAMENTO MUNICIPAL UTILITY DISTRICT

ZACHRY
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AUX BOILER RELOCATION AND DESIGN
SITE RELATED WORK
SCA SITE
GENERAL ARRANGEMENT

DRAWN	DESIGNED	CHECKED	CHECKED
TH ECKELS	N PHAM	K CIECIOR	M GINSBURG

DISCIPLINE MANAGER	DRAWING NUMBER	SHEET	REV
Rhodes	D001399-SRWL1Y001	01	C

PROJECT MANAGER: S. Sevick

Wachmann William T/11/2012 9:33:35 AM P:\SMUD\D001399\Machine\Mkg\Mech\Orthu\D001399-SRWL1Y001.dwg