

GOVERNMENT OF THE DISTRICT OF COLUMBIA
Department of Energy and Environment

CHAPTER 2 OPERATION PERMIT MEMORANDUM

TO: File

THROUGH: Stephen S. Ours, P.E. *SSO*
Chief, Permitting Branch

FROM: Abraham T. Hagos *ATH*
Environmental Engineer

SUBJECT: **CC OWNER LLC**
Permit Nos. 7051, 7052, 7053, 7054 and 7055 to Operate Three Boilers and
Two Emergency Generator Sets at 400 7th Street SW

DATE: March 10, 2016

BACKGROUND INFORMATION

On June 29, 2015, the Air Quality Division (AQD) received a renewal permit application package to operate two (2) 32.695 and one (1) 14.288 MM Btu per hour natural gas and No. 2 fuel oil fired Cleaver Brooks boiler and two (2) 1,000 kWe emergency generator sets at the Constitution Center, located at 400 7th Street SW. After completing the review of the application, AQD identified that the property is under new ownership, and told the applicant, CC OWNER LLC, to submit a revised request for permits as new applications for the new owners of the property, rather than as a renewal request.

Additional supplemental information was received by AQD on October 15, 2015 that states, "The building is under new Ownership, David Nassif Associates the original Owner/Developer sold the property in December 2012 to CC OWNER LLC. We would like to request that our application for permits to operate the fuel burning equipment be issued to CC OWNER LLC, under the same conditions the original application filed in 2011 by David Nassif Associates and approved by your office for the systems to fall under the Chapter 2 requirements".

The permits that were issued to David Nassif Associates in October 18, 2012 are Permit Nos. 6294, 6295 and 6296 for boiler Nos. 1, 2 and 3; and Permit Nos. 6297 and 6298 for generator Nos. 1 and 2. With this permitting action, AQD intends to update and re-issue these permits as Permit Nos. 7051, 7052 and 7053 for Boiler Nos. 1, 2 and 3; and Permit Nos. 7054 and 7055 for Generator Nos. 1 and 2.

The permit action will be published in the DC Register and on DOEE's website on March 18, 2016. Public comments for the permit action will be solicited through April 18, 2016.

The CC OWNER LLC has not requested that any of the materials submitted with this application

TECHNICAL SUPPORT MEMORANDUM

CC OWNER LLC

**Permit Nos. 7051, 7052, 7053, 7054 and 7055 to Operate Boiler Nos. 1, 2, and 3 and
Emergency Generator Nos. 1 and 2**

March 10, 2016

Page 2

be held confidential.

REGULATORY REVIEW

Except for the regulations discussed below, the emissions and the regulatory requirements and related analysis remain the same as was the case at the time of the original permitting of these units for David Nassif Associates. For a more complete technical discussion, please see the "Chapter 2 Technical Memorandum" dated August 27, 2012 related to the previously issued David Nassif Associates permits.

20 DCMR 801: Sulfur Content of Fuel Oils

This regulation was revised on November 13, 2015. The revised rule establishes more stringent sulfur content requirements and clarifies record keeping requirements related to compliance with the rule. These revised requirements were incorporated into the permit in Conditions III(b), IV(f), and V(f). Conditions in the older David Nassif Associates permits were removed from the newer permit as they have been replaced by the newer requirements.

20 DCMR 805: Reasonably Available Control Technology for Major Stationary Sources of the Oxides of Nitrogen

Because the facility is not a major stationary source of NO_x, pursuant to 20 DCMR 805.1(a), this regulation is not applicable to this facility. See the August 27, 2012 memorandum as well as the applicant's October 8, 2015 (received October 15, 2015) letter for a discussion of the inherent constraints on the equipment's operation that keep emissions below major source threshold without establishing "synthetic" limits on the equipment's potential to emit.

40 CFR 63, Subpart JJJJJ: National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources

"Gas fired boilers" with a #2 oil as a back-up fuel, as defined at 40 CFR 63.11237 are not subject to the Subpart JJJJJ area source boiler NESHAP per 40 CFR 63.11195(e). To ensure that the boiler is operated to meet the definition of "gas-fired boiler", Condition III(c) has been added to the permit, along with associated record keeping requirements in Condition V(b).

RECOMMENDATIONS

The proposed project and attached permit comply with all applicable federal and District air pollution control laws and regulations.

Public comments for the permit action will be solicited from March 18, 2016 through April 18, 2016. AQD will resolve any comments received before issuing the final permit, and if no comments are received, I recommend that permit Nos. 7051, 7052, 7053, 7054 and 7055 be issued in accordance with 20 DCMR 200.2.

05398