

DOCKETED	
Docket Number:	19-SPPE-03
Project Title:	Sequoia Data Center
TN #:	232915
Document Title:	Job Specification Sheet with Emission Summary-DLR Santa Clara
Description:	The docketed item is a certificate from the manufacturer that demonstrates that the diesel particulate filter typical for those to be used at this facility would remove 85% of the diesel particulate matter produced by the diesel engines.
Filer:	Susan Fleming
Organization:	California Energy Commission
Submitter Role:	Commission Staff
Submission Date:	5/6/2020 10:30:24 AM
Docketed Date:	5/6/2020



Cummins Pacific – DLR Santa Clara

April 5, 2018

APPLICATION DESCRIPTION:

Engine Model: Cummins C3000D6e, QSK95-G9
Quantity:
RPM: 1,800 RPM
Power Rating: 3000 kW
Electrical: 480v 3 Phase
Design Exhaust Flow Rate: 22630 CFM
Max Temperature: 825F
Engine Duty: Standby
Lube Oil Specification: .5% wt% sulfated ash or less
Lube Oil Consumption: Per Cummins specifications
Engine Family #: HCEXL95.0AAA

RYPOS PRODUCT SPECIFICATION:

MODEL #: ADPF-9

System Data: Active filter with Diesel Oxidation Catalyst

Housing Construction: Carbon Steel with High Temp Zinc/Silicon Finish

Filter Connections: Standard ANSI Flanges to suit Installation

Acoustical Spec: Critical Grade attenuation (25 to 35 dba)

System Power Requirements: 480v 3-Phase; 38KW max load, 20KW average

Verification: CARB Level 3+

Emissions Summary for a Degreened Rypos Filter and Rated Engine Load

Exhaust Gases	Engine Output	Reduction	System Output	Area Limits
CO	0.52gm/bhp-hr	85%+	0.078 gm/bhp-hr	TBD
NOx + HC	4.62 gm/bhp-hr	85%+	4.62 gm/bhp-hr	N/A
PM10	0.11 gm/bhp-hr	85%+	meets 0.01 gm/bhp-hr	CARB Level 3 +
			PM emission standard*	

*complies with the 0.01 g/bhp-hr PM emission standard of 17 CCR §§ 93115.6 – .9 and SCAQMD Rules 1470(c)(2) – (c)(8)