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**MEMORANDUM**

SUBJECT: Air Quality Modeling-Related Data Files for the Proposed Heavy-Duty 2027 Standards

FROM: Margaret Zawacki  
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Office of Transportation and Air Quality

TO: Docket EPA-HQ-OAR-2019-0055

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The purpose of this memorandum is to authorize making modeling files available which were used in the air quality modeling and full-scale benefits analyses for the Proposed Heavy-Duty 2027 Standards, and which cannot be uploaded to the Federal Docket Management System (FDMS). The data files are described below and will be made available by the Reading Room staff upon request.

Information on the air quality modeling inventories is presented in Chapter 5.4 of the Draft Regulatory Impact Analysis (DRIA) and in the Air Quality Modeling Technical Support Document (AQM TSD). The air quality modeling analyses are described in Chapter 6.2 of the DRIA and in the AQM TSD. The Benefits modeling is described in Chapter 8 of the DRIA.

Files associated with inventory inputs to the CMAQ model are in a folder named “HD2027 CMAQ emissions\_package NPRM” which includes SMOKE input files including activity data and emission factor tables for these pollutants. Additional emissions data used for the air quality modeling analysis are available as part of the 2016V1 platform.<sup>1,2</sup>

Files associated with the full-scale benefits analysis are in a folder named “HD2027 BenMAP files NPRM” and includes input and configuration files used in BenMAP for calculating health benefits from changes in ozone and fine particulate matter concentrations.

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<sup>1</sup> US EPA (2021). 2016v1 Emissions Modeling Platform. Retrieved from <https://www.epa.gov/air-emissions-modeling/2016v1-platform>.

<sup>2</sup> U.S. EPA (2021) Preparation of Emissions Inventories for 2016v1 North American Emissions Modeling Platform Technical Support Document. <https://www.epa.gov/air-emissions-modeling/2016-version-1-technical-support-document>.