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**MEMORANDUM**

SUBJECT: MOVES Modeling-Related Data Files (MOVES Code, Input Databases and Runspecs) for the Proposed Heavy-Duty 2027 Standards

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

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The purpose of this memorandum is to authorize making available MOVES modeling files used in the emissions inventory analyses at the national scale for the Proposed Heavy-Duty 2027 Standards. The data files are described below and will be made available by the Reading Room staff upon request, since they could not be uploaded to the Federal Docket Management System (FDMS).

Information on the emissions inventory analyses at the national scale is presented in “Chapter 5.3 – National Emissions Inventory Results” and “Chapter 5.5 – Appendix” of the Draft Regulatory Impact Analysis (DRIA).

The MOVES modeling files in the current docket are contained in a folder named “HD2027 NPRM MOVES National Inventory Related Files” which includes MOVES Code, Input Databases and Runspecs. **Table 1** below lists the contents of each subfolder.

**Table 1. Contents of subfolders included in the main folder**

<b>Name of Subfolder</b>	<b>Description of Contents</b>
MOVES20190621_645546	MOVES code
movesdb20190620_fuel_er_orvr_truncated	MOVES default input database used in conjunction of MOVES code
Runspecs	MOVES runspec files for each NPRM modeling scenario (“Baseline”/“Proposed Option 1”/“Proposed Option 2”/“Alternative”) and calendar year. Details described in “ <i>RIA 5.3 – National</i> ”

	<i>Emissions Inventory Results”</i>
InputDB	The MOVES user-input databases specified in the runspecs (as required to model different NPRM modeling scenarios as well as fuel supply for the calendar years modelled)
NOx_by_engine_operational_process	MOVES runspecs and user-input databases used to generate the emission inventory break-downs by engine operational process as shown in Figure 5-24 in “ <i>RIA 5.5.4 - Onroad Heavy-Duty NOX Emissions by Engine Operational Process for the Baseline, Proposed Option 1, and Proposed Option 2 Standards</i> ”
CARB_HD_Omnibus	MOVES runspecs and user-input databases used to generate the emission inventory for the CA’s Omnibus program as described in “ <i>RIA 5.5.7 - 5.5.7 National Heavy-duty Vehicle Emissions Inventory Comparison of the California Heavy-duty Omnibus Regulation and the Proposed Option 1</i> ”