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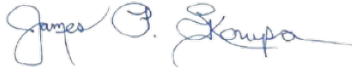
COMMONWEALTH OF VIRGINIA

Virginia Department of Energy

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COMMUNICATION MEMORANDUM - NO. 01 -2023

TO: All Licensed Operators

FROM: James P. Skorupa, Director 

DATE: November 29, 2023

SUBJECT: Hanwha Electronic Blasting System

Mineral Mining received a request from industry to evaluate the Hanwha Electronic Blasting System for use in Virginia. Under section 4 VAC 25-40-925 of the Virginia Safety and Health Regulations for Mineral Mining, “electronic detonation systems shall be approved by the director as providing performance equivalent to that required in 4 VAC 25-24-920, and shall be used in accordance with manufacturer’s instructions.”

For evaluation of the system, the manufacturer’s specifications and data were reviewed. To further evaluate the system under consideration, three test blasts were loaded and detonated at the Cedar Mountain Stone Corporation Rapidan Quarry, PN 90335AB, located in Culpeper County PN where Mineral Mining personnel were present. Mineral Mining personnel observed the process of loading of each the shots using the Hanwha Electronic Detonation System for compliance with Virginia’s laws and regulations for blasting and that the Hanwha Electronic Blasting System was used in accordance with the manufacturer’s instructions.

After completion of the above evaluation and testing, the Hanwha Electronic Detonation System is approved for use in Virginia meeting the requirements as provided under 4 VAC 25-40-925.