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**Dynasil Receives Additional Homeland Security Funding
for Nuclear Detection Materials**

WEST BERLIN, N.J. – February 23, 2010 - Dynasil Corporation of America (OTCBB: DYSL.OB), a rapidly growing manufacturer of specialized instruments, detectors and products with applications in homeland security/defense, cancer detection, medicine, and industry, announced today that the Domestic Nuclear Detection Office (“DNDO”) of the Department of Homeland Security (Homeland Security) awarded Radiation Monitoring Devices, Inc. (“RMD”), Dynasil's research subsidiary, additional funding totaling \$2.5 million. These awards will be used to fund additional development and to provide samples of new, high performance nuclear radiation detector materials to protect the nation from nuclear and radiological threats. This is in addition to the \$5.6 million of research and development grants Homeland Security awarded RMD last year for similar efforts.

The Department of Homeland Security turned to RMD for improved detection equipment to combat the threat of terrorists smuggling nuclear material into our country. With 35 years of cutting-edge nuclear detector development experience, Dynasil's RMD Research division has developed innovative scintillator crystals, which are leading candidates to improve detection of radioactive materials. RMD scintillators, which convert radiation to visible light, also have the additional advantages of being lightweight enough to be portable when needed, cover a broader range of detectable materials, and minimize false alarms.

Kanai Shah, RMD's Vice President of Research said, "Homeland Security is very interested in our materials as new gamma and neutron technologies for threat reduction." Craig Dunham, Dynasil's President and CEO, added, "Homeland Security has been an excellent partner for the R&D work on these materials, and this additional funding enables us to take it to the next stage, which could save lives by providing better tools to detect and intercept potentially devastating weapons. Dynasil employees are proud that our strategy of significant and profitable growth through acquisitions and the organic growth of our business units may also aid Homeland Security in its mission to protect our country."

About Dynasil

Dynasil is a rapidly growing manufacturer of specialized instruments and products for a broad range of applications markets in the homeland security/defense, medical and general industrial sectors. In addition, the Company is engaged in a significant amount of contract research for the government and private industry. Dynasil and its subsidiaries have operations in New Jersey, New York and Massachusetts.

This news release may contain forward-looking statements usually containing the words "believe," "expect," "plan," "target," "intend" or similar expressions. These statements are made pursuant to the safe harbor provisions of the Private Securities Litigation Reform Act. Future results of operations projections, and expectations, which may relate to this release, involve certain risks and uncertainties that could cause actual

results to differ materially from the forward-looking statements. Factors that would cause or contribute to such differences include, but are not limited to, the factors detailed in the Company's Annual Report or Form 10-KSB and in the Company's other Securities and Exchange Commission filings, continuation of existing market conditions and demand for our products.