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MONSANTO RESEARCH C

MOUND LABORATORY

ALMD63083681076

U. S. GOVERNMENT CONTRACT NO AT-33-1-GEN-53

August 29, 1963

63-8-368
UNDERHILL 6-8811

Mr. R. L. Peurifoy
Sandia Corporation
Post Office Box 5800
Albuquerque, New Mexico

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MOUND LSDR PROJECT
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Dear Mr. Peurifoy:

As a result of discussions between G. R. Grove of Mound Laboratory and R. L. Spaulding of LASL and with you on August 26, 1963, and in reply to your TWX NR-130 dated August 29, 1963 to L. V. Jones, we have worked out a tentative agreement and schedule to prepare the stabilized fine particle size PETN which you have requested on a parallel schedule with work in progress to produce similar material for LASL.

If LASL concurs in this proposed schedule and the associated development effort provides satisfactory information, we should be able to prepare 100-gram batches of 12,000 and 16,000 square centimeter per gram PETN with 2 and 5 per cent TriPEON additive for Sandia by October 15, 1963, and 100-gram batches of 12,000 and 16,000 square centimeter per gram PETN with 3 and 4 per cent TriPEON by November 15, 1963. The preparation of these batches would follow the development and production of batches of similar material for LASL. The fabrication of these materials into detonators, subject to the receipt of a purchase order, would require one additional month. Thus, subject to the conditions noted previously, we could ship the detonators fabricated with these mixtures to Sandia before the end of this calendar year.

Some development work is required for the establishment of the parameters for the production of the 10 per cent stabilized PETN. Accordingly, we would plan to do this development work as time permitted during the next few months and have an established procedure by the end of November 1963. If this effort is successful we would expect to be able to prepare the 100-gram batches of 12,000 and 16,000 square centimeter per gram PETN with 10 per cent TriPEON during December 1963. The detonators would be

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2ND REVIEW DATE: 11/8/72	3. CONTAINS NO DOE CLASSIFIED INFO
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Mr. R. L. Peurifoy

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August 29, 1963

scheduled for fabrication during the early part of 1964 and delivered to you as soon as completed.

The combined requirements of LASL and Sandia will use about all of the TriPEON currently on hand at Mound Laboratory which could prove to be the limiting factor in supplying all of the detonators ordered by Sandia. One of the largest requirements is the 10 per cent stabilized material for Sandia, however, we are expecting to receive an additional supply of TriPEON in the near future from the Trojan Powder Company which has been ordered by LASL.

Since we have not prepared materials of your exact specifications previously we may encounter some difficulty in our early efforts during the next few months which could result in a delay in the schedule. We will keep you advised of our progress on this work.

By the end of this year we expect to have two complete development fabrication lines for the preparation of fine particle PETN with TriPEON stabilization, one of which can be used to support future Sandia Corporation requirements.

If you have any further questions on this subject please do not hesitate to contact me.

Very truly yours,


David L. Scott
Vice President,
Plant Manager

DLS:la

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