April 13, 1992

George Coleman P.O. Box 3337 Farmington, New Mexico 87499

RE: Permit Application to State of New Mexico Oil Conservation Division for operation of a Land Farm Facility:

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Please direct any comments to;

New Mexico Oil Conservation Division State Land Office Building P.O. Box 2088 Santa Fe, New Mexico 87504-2088

Thank you for your cooperation.

Sincerely,

Phillip C. Nobis Vice President BEFORE EXAMINER STOCKER

O'L CONSERVATION TO DECIME

Tiller 2300000 3

CASE NO. 10539

April 13, 1992

Fay Greer (Trustees) 2816 Kentucky Albuquerque, N.M. 87110

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Charles Foutz et al 1550 Stapely # 35 Mesa, Arizona 50931

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Raymond Condit c.o. James Hobbs P.O. Box 3455 Farmington, N.M. 87401

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April 13, 1992

Eugene Watson et al 3107 Palomas Farmington, N.M. 87401

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Sincerely,

Phillip C. John Phillip C. Nobis

Vice President

April 13, 1992

Lawarence Woodard, c.o. Richard Patton P.O. Box 1725 Bloomfield, N.M. 87413

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Morning Star Corporation P.O. Box 9 Farmington, New Mexico 87499

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April 13, 1992

Nancy Jean Simmons 44 Canyon Pl. Mountain Home, Idaho 83647

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April 13, 1992

U.S. Bureau of Land Management 1235 La Plata Highway Farmington, N.M. 87401

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Please direct any comments to;

New Mexico Oil Conservation Division State Land Office Building P.O. Box 2088 Santa Fe, New Mexico 87504-2088

Thank you for your cooperation.

Sincerely,

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# RUNOFF CALCULATION FOR TIERRA ENVIRONMENTAL COMPANY LAND FARM

Area = 21.9 Acres

6 hr 100 year rainfall from NOAA Atlas 2 volume IV = 2.1 inches

21.9 Ac (43560 Sq. Ft./Ac) (2.1/12) = 166,944 Cu. Ft.

Estimate 50% runoff 166,949 Cu. Ft. (0.5) = 83,472 Cu. Ft.

Estimate 83,472 Cu. Ft. of runoff in 6 hour period for 100 year storm

Top of proposed dike as shown on attached topo map = 5,881 Maximum depth = 3.25 Ft.

Holding capacity of triangular shaped area in northwest corner of property = 0.5(320)(570) = 91,200 Sq. Ft.

Holding capacity @ 1' average depth = 91,200 Cu. Ft. Holding capacity @ 1.5' average depth = 136,800 Cu. Ft.

Runoff estimated = 83,472 Cu. Ft.

Based on the above assumptions, the holding capacity is sufficient for the 6 hour 100 year storm and the 100 year 1 hour storm.

