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 * TRANSACTION REPORT *
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 Governor
 GARY R. HERBERT
 Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
 Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
 Division Director

*Outgoing of
 8/31/07/0012*

UTAH DIVISION OF OIL, GAS AND MINING
 FACSIMILE COVER SHEET

DATE: Aug 31, 2007
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 ATTN: Patrick Collins
 COMPANY: Mt Nebo Scientific
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 FROM: Jim Smith

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MESSAGES: This is the version of p. 16, Section 7.42
in the Division's copy of the Wellington MRP.
See my e-mail for further discussion

Jim

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TABLE 742-0c. Culvert Design Summary

Culvert ID	Contributing Ditch	Design Peak Flow (cfs)	Minimum Allowable CMP Culvert Diameter (feet)
CVL-C1	CVL-D1	2.6	1
CVL-C2	CVL-D2 & CVL-D3	3.2	1.25
CVL-C3	CVL-D5	5.3	1.25

UTAH DIVISION OIL, GAS AND MINING

742.220 through 742.221 Sedimentation Ponds

Six existing ponds are included in the sediment control plan. These ponds include the Plant Sediment Pond, Refuse Basin Sediment Pond, Slurry Pipeline Sediment Pond, Road Pond, Auxiliary Pond and the Dryer Sediment Pond. The Road Pond, Auxiliary Pond and the Dryer Sediment Pond are used in series. The Plant Sediment Pond, Slurry Pond, and the Refuse Basin Sediment Pond are used independently with respect to each other. The sediment ponds are located near the disturbed area, and will be maintained to provide adequate sediment storage volume as described below.

The Road Pond, Auxiliary Pond and the Dryer Sediment Pond are connected in series; however, the Dryer Pond was enlarged in 1994, and will contain the entire runoff from the 10-year 24-hour precipitation event. The computed 10-year 24-hour runoff to the series of ponds is presented in Table 742-1 along with available storage between proposed decant elevations and spillway elevations. Stage capacity curves are presented in the Hydrologic Appendix. The peak 25-year 6-hour storm event discharge from the pond was computed assuming the pond full to the spillway elevation prior to start of storm.

The Dryer Sediment Pond will serve as the final treatment facility for Watershed No. 4. The Dryer Sediment Pond, as constructed, will provide dead storage (i.e. storage below the decant level) for approximately 10 times the computed 3-year sediment volume (see computations in Hydrologic Appendix).

SUPERSEDED

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