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UTAH DIVISION OF OIL, GAS AND MINING
FACSIMILE TRANSMISSION COVER SHEET

DATE: August 13, 1993

FAX #: 266-1671

ATTN: Jessica Smith

COMPANY: EWP.

FROM: Ken Wyatt

DEPARTMENT: DOGM

NUMBER OF PAGES BEING SENT (INCLUDING THIS ONE): 2

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We are sending from a Murata facsimile Machine. Our telecopier number is (801) 359-3940.

MESSAGES:

Attached are the deficiencies we discussed on August 11, 1993.

Sunnyside Cogeneration Associates: Refuse Storage Amendment
Deficiencies discussed with Jessica Smith, August 11, 1993

Below are the items that we discussed at the Division's office on August 11, 1993 regarding the Refuse Storage Amendment. Thank you for your commitment to correct these deficiencies by late next week.

1. The watershed associated with the Pasture sediment pond varies depending the map. This should be re-evaluated and made accurate and consistent between maps. The watershed analysis should consider the runoff from areas 1 and 2 as it is routed into the pad diversions, culverts and into the Pasture pond and the remaining watershed.

2. The runoff calculations need to be re-worked for the two refuse storage areas and **the diversions on these two pads should be designed to control the runoff based on the 100 year 6 hour event as required by R645-301-746.212.**

3. Likewise the culverts need to be sized to handle the above volume of water. Based on the volume of water from the refuse pads, the diversion along the road should be designed to handle this flow. The velocity should dictate riprap sizing. Please show all calculations and design information used in determining these sizes.

4. All areas which drain into the Pasture pond should be re-analyzed and routed to the pond to demonstrate that the pond can handle this volume of water and sediment.

5. Diversion cross sections are required for: 1. the diversions on the refuse pads; 2. the ditch draining area 3 into the east slurry cell; and 3. the diversions draining area 2 along the road.

6. Cross section A-A shows the graded pad for area 2 A similar cross section for area 1 should also be provided.

7. I gave you examples which showed how other companies tabulate design information for watershed analysis, diversion design and culvert sizing. This format could be used for this amendment. Each sub-watershed, diversion, culvert must be labeled for identification. These labels should be consistent between plates.

8. The watershed information should include the area, longest channel, slope, curve number and other information relevant to the runoff calculations. This format could also be used for the response to stipulation 15. A separate deficiency document will be forthcoming for stipulation 15 as we discussed on Friday, August 6, 1993.

8. As we discussed on August 11, 1993, you should provide all design calculations, methods, tables, nomographs, charts or other methods used in determining runoff volumes, peak flows, sediment production, diversion sizes, culvert sizes, riprap size etc. Don't assume the reader has any of this information. The format should follow a logical path beginning with the watershed, the runoff calculations, sediment production, diversion and culvert sizing, riprap, and then pond design.

I appreciate your cooperation in resolving these issues in a timely matter as we discussed on August 11, 1993. I understand that you would attempt to submit that information on August 19, 1993. If you have any questions about these comments please call me, 538-5266.