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Director

DEPARTMENT OF ENVIRONMENTAL QUALITY
DIVISION OF WATER QUALITY

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September 24, 2001

RECEIVED
SEP 27 2001
DIV. OF OIL, GAS & MINING

Jon Adams, General Manager
Salt Lake City Water Reclamation Facility
1365 West 2300 North
Salt Lake City, Utah 84114

Dear Mr. Adams:

Subject: Renewal of the Biosolids Management Permit, UPDES Permit No. UTL-021725

I appreciate you and your staff taking the time to meet with me on September 21, 2001. I now have a better understanding of the Salt Lake City Water Reclamation Facility's (SLWRF) need for flexibility regarding the disposal of biosolids.

I believe we have managed to satisfy the desires of both the Division of Water Quality (DWQ) and the SLWRF. Please see page seven (attached) of the permit which reflects those minor changes which we discussed.

During the meeting we also discussed application rates at Kennecott Utah Copper Corporation (KUCC). In a letter to KUCC in 1997 the DWQ stated "it is understood that the intended application rates are up to 5 to 30 dry tons per acre (dt/ac) or less, but approval is granted for up to 35 dt/ac in case of minor variations in application rates".

And as you may recall in 1999, the DWQ and the KUCC agreed that a few best management practices (BMP) were needed to avoid any impact on groundwater that may occur due to the amount of biosolids that were being stockpiled at KUCC. For your convenience I have included those two (2) BMP we agreed upon.

1. Biosolids will only be stockpiled in areas where there is valid ground water permits issued through the DWQ.

2. All biosolids stockpiled for land application during the winter shall be incorporated into the soil and seeded with a cover crop the following spring or as soon as the snowmelt and weather permits.

As long as the reclamation rates are not exceeded, and the BMP are used, the DWQ supports the beneficial use of biosolids at KUCC for reclamation.

Thank you for your time, if you have any questions, suggestions or comments please call me at (801) 538-6097.

Sincerely,

Mark Schmitz, Environmental Scientist
Permits & Compliance Section

MS:st

Enclosure

cc: Bob Brobst, EPA Region VIII
Lynn Kunzler, DOGM
Paula H. Doughty, KUCC
Bill Adams, KUCC
Royal DeLegge, Salt Lake Valley Health Dept.
Dennis Frederick, DWQ

39. "Volatile Solids" is the amount of the total solids in biosolids lost when the biosolids are combusted at 550 degrees Celsius for 15-20 minutes in the presence of excess air.

B. Description of Biosolids Treatment and Disposal

The authorization to dispose of biosolids provided under this permit is limited to those biosolids produced from the treatment works owned and operated by Salt Lake City. The method and sites for disposal are specifically designated below.

1. Treatment

The biosolids produced at the Salt Lake Water Reclamation Facility are gravity thickened, anaerobically digested with an average retention time of approximately 37 days with an average temperature of 98°F. The biosolids are dewatered with drying beds.

2. Description of Biosolids Disposal Methods

a. The biosolids are land applied for reclamation or agriculture

b. The biosolids are disposed of at the Salt Lake County Landfill

3. Changes in Treatment Systems and Disposal Practices.

Should the SLWRF change their disposal methods, the SLWRF must notify the Executive Secretary at least 30 days in advance and submit a plan 30 days in advance which details all disposal practices in accordance with *40 CFR 503.* (See Page 14, Part D. 1.) The Executive Secretary may approve these changes without additional public notice.

The permittee must inform the Executive Secreatry at least 60 days prior to any significant change in the biosolids generation and handling processes at the plant. This includes, but is not limited to, the addition or removal of biosolids treatment units (e.g., digesters, drying beds, etc.) and/or any other change which would require a major modification of the permit. For any biosolids that are landfilled, the requirements in *Section 2.12* of the latest version of the *EPA Region VIII Biosolids Management Handbook* must be followed.

C. Specific Limitations and Self-Monitoring Requirements.

All biosolids generated by this facility to be used for land application shall meet the requirements of *Part I.C.1, 2, 3, 4* and *5* listed below. These limits are effective immediately.