

October 23, 2003

TO: Internal File

THRU: Daron R. Haddock, Permit Supervisor

FROM: Dana Dean, P.E., Senior Reclamation Hydrologist

RE: 2003 Third Quarter Water Monitoring, Sunnyside Cogeneration Association, Sunnyside Refuse/Slurry, C/007/0035

1. Was data submitted for all of the MRP required sites? YES NO
Identify sites not monitored and reason why, if known:

2. On what date does the MRP require a five-year resampling of baseline water data.
See Technical Directive 004 for baseline resampling requirements. Consider the five-year baseline resubmittal when responding to question one above. Indicate if the MRP does not have such a requirement.

Resampling due date

The MRP states that "once every five years (prior to each application for permit renewal) one sample from each of the monitoring sites listed in Table 7-2A will be sampled and analyzed for the parameters listed in Table 7-2B". The Permittee last sampled for baseline during the 3rd quarter of 1997. **The Permittee should sample for baseline during the next sampling period.**

3. Were all required parameters reported for each site? YES NO
Comments, including identity of monitoring site:

4. Were irregularities found in the data? YES NO
Comments, including identity of monitoring site:

Site F-2 had three parameters outside of two standard deviations from the mean. They were:

PARAMETER	VALUE	DEVIATIONS FROM MEAN	MEAN
Dissolved Magnesium	129 mg/l	2.42	87.62 mg/l
Bicarbonate	730 mg/l	2.91	569.10 mg/l
Total Alkalinity	598 mg/l	2.79	473.18 mg/l

Dissolved Magnesium at F-2 has been trending upward since a recorded low of 46 mg/l in March of 2001.

Site CRB had a cation-anion balance of 5.1%. It also had two parameters outside of two standard deviations from the mean. They were:

PARAMETER	VALUE	DEVIATIONS FROM MEAN	MEAN
Dissolved Magnesium	401 mg/l	3.28	299.19 mg/l
Specific Conductivity	5800 µmhos/cm	3.31	5023.89 µmhos/cm

Dissolved magnesium at CRB has been trending upward since a low of 240 mg/l in March of 1999. However, the average concentration of 299 mg/l is already rather high.

The Division will continue to monitor these parameters.

5. Were DMR forms submitted for all required sites?

1st month, YES NO
 2nd month, YES NO
 3rd month, YES NO

All DMRs reported "no flow".

6. Were all required DMR parameters reported?

YES NO

Comments, including identity of monitoring site:

All DMRs reported "no flow".

7. Were irregularities found in the DMR data?

YES

NO

Comments, including identity of monitoring site:

All DMRs reported "no flow".

8. Based on your review, what further actions, if any, do you recommend?

No further actions are necessary at this time.