



COLORADO DEPARTMENT OF HEALTH

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Anthony Robbins, M.D., M.P.A. Executive Director

April 11, 1977

Mr. J. E. Abbott, Vice-President
Henningson, Durham, & Richardson
310 Capitol Life Center
Denver, Colorado 80203

RE: Grand Junction/Mesa County, 201 Facility Plan Up-Date

Dear Jim:

In response to your letter of April 7, 1977, and our subsequent meeting. I will try to outline the Division's position on the required effluent standards for the Grand Junction treatment plant (or plants).

As you know the present stream classification for the Colorado River below Grand Junction is B₂, or water suitable for fish and other aquatic life. Under this classification, and for the size of plant proposed, ammonia removal would be required during critical times of the year. The only way to remove the ammonia reduction requirement would be for the Colorado Water Quality Control Commission to reclassify approximately 3 miles of the Colorado River below Grand Junction to B₂-C and except the NH₃ criteria of 0.02 mg/l un-ionized NH₃. We in the Division are doubtful the Commission would do this, and if they did, we are doubtful the EPA would approve it because of the concern for some endangered species of fish life in the Colorado River.

Therefore, we suggest H.D.R. consider NH₃ reduction, as outlined in the Basin plan, in their preliminary engineering plans. I think we pretty well discussed the various alternative configuration of plants (one regional vs. two smaller plants) in our meeting yesterday.

Future effluent requirements for the discharges are expected to be as follows:

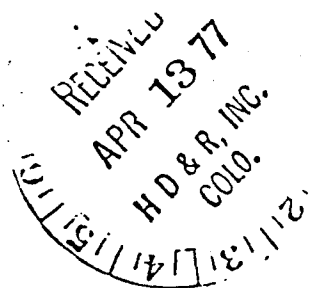
- BOD₅ 30 mg/l (30day average), 45 mg/l (7day average)
- SS 30 mg/l (30day average), 45 mg/l (7day average)
- NH₃ 765#/day segment allocation (Grand Valley Canal diversion to Utah State line).
- Fecal Coliform 6000 (30day average), 12000 (7day average)
- Cl₂ residual 0.2 mg/l or less

Very truly yours,

FOR DIRECTOR, WATER QUALITY CONTROL DIVISION

Kenneth W. Webb
Kenneth W. Webb, P.E., Chief
Water Quality Management Planning Section

KWW/emf



13. Developers:

Bray & Co.
1015 North 7th Street
Grand Junction, Colorado 81501

The Ridges Development Corp.
2721 North 12th Street
Grand Junction, Colorado 81501

Embassy Homes
3026 Patterson Road
Grand Junction, Colorado 81501

Junction Corporation
652 White Avenue
Grand Junction, Colorado 81501

14. Sanitation Districts

The Ridges Water & Sanitation District
2721 North 12th Street
Grand Junction, Colorado 81501

Fruitvale Sanitation District
2887 North Avenue
Grand Junction, Colorado 81501

Clifton Sanitation District
137 3rd Street
Clifton, Colorado 81501

Clifton Sanitation District No. 2
3222 Highway 6 & 24
Grand Junction, Colorado 81501

Central Grand Valley Sanitation District
3029 "D" Road
Grand Junction, Colorado 81501