

COLORADO DEPARTMENT OF HEALTH
Water Quality Control Division

INTEROFFICE COMMUNICATION

TO: : Ron Schuyler thru Fred Matter
FROM: Dick Bowman *DB*
DATE: January 24, 1984
SUBJECT: Capacities for Site Application vs Discharge Permit

Attached is page two of the City of Grand Junction's discharge permit. The capacity listed in the permit is 20 MGD. The site application is approved for 12.5 MGD. Which capacity do you use when enforcing requirement #3 on expansion requirements (80-95% of design capacity).

Also attached is a copy of a memo concerning the site application for Aspen Village. The original site application was approved for 51,000 gpd and the permit listed the capacity at 80,000 gpd. All parties concerned assumed a capacity of 80,000 gpd and committed to a development plan based on the capacity listed in the permit. How do you turn down a request for upgrading the site application when everyone has made plans to develop a MHP based on the capacity listed in an "official document" from Mecca (CDH-Denver).

This brings up an interesting scenario for the consulting engineer. An applicant hires an engineer to prepare a site application. The engineer feels a 1.0 MGD plant is required to serve the long term interest of his client. The Division through the site application process approves a 0.4 MGD plant. The engineer (being a conservative design engineer) bases his design on our design criteria (minimum requirement) and designs a 1.0 MGD. He sends the plans and specifications and permit application into Mecca and ends up with what Mecca deems a 1.0 MGD.

I recommend that the site application and permits capacities be the same so that this will not happen again.

DB/zp

Attachments

PART I

A. TERMS AND CONDITIONS

1. Service Area

The service area for this treatment facility is delineated in Figure 2, page 33. All wastewater flows generated in this service area may be accepted by Grand Junction/Mesa County for treatment at the areawide wastewater treatment facility provided that such acceptance does not exceed the throughput or design capacity of the treatment works or constitute a substantial impact to the functioning of the treatment works, quality of the receiving waters, human health, or the environment.

In addition, the permittee shall maintain or enter into service agreements with all political jurisdictions that discharge to the wastewater treatment facility. The service agreements shall contain all provisions necessary to protect the financial, physical, and operational integrity of the complete wastewater treatment works, including appurtenances.

2. Design Capacity

The design capacity of this domestic wastewater treatment works is 20 million gallons per day (MGD) for hydraulic flow and 43,000 lb. BOD₅ per day for organic loading.

3. Expansion Requirements

Pursuant to Colorado Law, C.R.S. 1973 25-8-501 (5 d & e), the permittee is required to initiate engineering and financial planning for expansion of the domestic wastewater treatment works whenever throughput and treatment reaches eighty (80) percent of design capacity. Whenever ninety-five (95) percent of the design capacity for throughput and treatment is met, the permittee shall commence construction of the necessary treatment expansion.

In the case of a domestic wastewater treatment works, where construction is not commenced in accordance with the above paragraph, the City/County shall cease issuance of building permits within the facility's service area until construction has commenced. Building permits may continue to be issued for any construction which would not have the effect of increasing the input of sewage to the wastewater treatment works .

4. Effluent Limitations

During the period beginning no later than immediately and lasting through September 30, 1988, the permittee is authorized to discharge from outfall(s) serial number(s):

001 - effluent from wastewater treatment plant, discharges into Persigo Wash.

002 - bypass of treatment plant, discharges into the Colorado River (located at the old west side plant).