

## **NORTH FRONT RANGE WATER QUALITY PLANNING ASSOCIATION**

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November 20, 2009

Susanne Cordery-Cotter  
Facilities Management  
Colorado State University  
6030 Campus Delivery  
Fort Collins, Colorado 80523-6030

Subject: Colorado State University (CSU) Pingree Park Campus Utility Plan

Dear Ms. Cordery-Cotter:

On behalf of the Utility Plan Review Committee, I would like to thank you and the other CSU representatives for attending the Utility Plan review meeting yesterday. I feel the meeting was very productive and has established an outline for moving forward with this plan.

The committee reviewed their comments of the plan with you at the meeting. Following is a brief description of the main comments provided in the meeting outlined by section. This list reflects the issues that need to be addressed in order for the committee to find that all guidance requirements have been met.

### 1. Executive Summary:

- Recommend that a summary of the financial information be included.
- Recommend including a summary of the project timeline.

### 2. Planning Conditions:

- The plan should clearly identify which buildings in the service area will be connected to the treatment system, which building will be service by ISDS or vaults, and which buildings do not have water and therefore require no treatment.
- The plan should identify why the service area does not include the other buildings on the south side of the property.
- The Larimer County Department of Health and Environment has raised an issue with the continued use of the vaults and grey water pits on the property. This issue will need to be resolved.
- The plan should include a discussion of the flood plain locations in relation to the service area and treatment facilities.
- Include an estimate of flow with proposed buildings as discussed in Section 2.1 to verify system has adequate capacity.
- Include tables and graphs showing flow data to give historical perspective on these parameters and their variations. (This information could be included in the Appendices)

- Include tables and graphs showing influent characteristics including BOD, TSS, ammonia as well as a discussion of these parameters and their strengths. (Ammonia is not discussed anywhere in text, this is an important influent parameter whose concentrations should be noted and must be taken into account in the design.)
- The plan should include the Preliminary Effluent Limits (PELs) received from the state and should propose a treatment system which will meet these limits.
- Include effluent information showing values for all parameters requiring monitoring in the discharge permit.
- Include existing discharge permit in appendix (including compliance schedule) and provide table of existing discharge permit limits.

### 3. Description of Existing Facilities:

- Include a discussion of the emergency power system and how that meets CDPHE requirements/policy for emergency power supply.
- Additional information regarding the current lift station should be included such as average and peak flows, back up power, emergency storage, and emergency operation procedures.
- Include a discussion/identification of any potential environmental permitting that might be needed or state none required if this is the case.
- Additional financial information will need to be submitted to fulfill the requirements of a Utility Plan through the planning period. This includes all costs such as capital, replacement, loan repayment, and O&M costs, as well as all revenue to support these costs. The committee suggested that information found in the Water Quality Control Commission's Regulation #22 Guidance Document (section 22.5(2)(e)) may be of assistance in this area.

### 4. Project Purpose and Need:

- The plan should identify the criteria the new plant is being designed for, i.e. proposed (existing?) effluent limits, flow, etc.

### 6. Selected Alternative:

- Operating and maintenance costs identified in section 6.3 should be clarified as additional costs.

### Appendices:

- Figure 1 in Appendix A should include the proposed buildings and flood plain.
- Appendix B, Table 3, Capital costs should include permitting and legal fee line items. In addition, annual costs should include operator's salaries, vehicles, chemicals, and lab costs at a minimum.
- The orifice calculation in Appendix D should be corrected.

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- The committee suggested adding documentation of ownership of the property to the Appendices.

In addition to the above information the Committee also briefly discussed the Site Application at the meeting and provided some feedback on issues that would need to be addressed with the application.

At the review meeting, you agreed to provide the requested information as part of a revised Utility Plan. It was agreed that this revision should be submitted electronically with the changes tracked. It was also agreed that only the Appendices that changed would need to be resubmitted with the revisions. Once a revised plan has been submitted it will again be circulated to the committee for review. Once the committee has reviewed the information we will determine whether there are any unresolved issues remaining for the plan. Once all issues have been resolve the plan will be placed on the agenda for consideration by the Association. Following action by the Association, a final copy of the plan (hard copy and electronic copy) which includes all the changes will need to be submitted.

There was no time frame set for receiving this revised information. The committee recognizes that CSU will need additional time to discuss some of the outstanding issues with the state and Larimer County. Again, I would like to thank you for your assistance in the review process. If you have any questions or need additional information please contact me at (970) 962-2785.

Sincerely,

Connie O'Neill  
Manager

ec: Utility Plan Review Committee  
Ed Schemm, Larimer County Department of Health & Environment