

*unofficial copy. This letter is
written assuming the RTC data* 07 Feb 1986
shows conformance with the spec.

MEMORANDUM

TO: 0525

FROM: 404C, Steve Dumont

Subj: Contract Number N62470-81-C-1644, Expansion of Holcomb Boulevard Water Treatment Plant, Camp Lejeune, NC

Ref: ltr of 4 Dec 1985, Aquatrol Resubmittal

1. The contractor's transmittal number 75A, Controls, has been reviewed and is returned 'approved as noted' with the attached comments.
2. Please note that the submittal is only approved as meeting the requirements of section 16750, paragraphs 1.12.1a through 1.12.1f. The documentation required by paragraph 1.12.1g must still be submitted.
3. Additionally, the submittal is not considered acceptable as meeting the requirements of paragraph 1.12.2, Operation and Maintenance manuals. Although some of the required information is present in submittal 75A, much more is needed and it should be presented as a separate document from the shop drawings.
4. The only substantial deviation noted was the method of control sequence specification. The fill-in-the-blanks 'template' type method offered does not offer the high degree of flexibility which the specified 'laddered diagram' method does. However, the proposed method is a high level, easy to use method which will be acceptable if the contractor consults with the activity and provides the necessary 'templates' to allow for implementation of all expected future expansion.
5. Included with the submittal was reference (a) which addressed the requirement that any flow meter signal (raw water, plant influent, or Holcomb boulevard) can be assigned to pace any of the three chlorine feed rates. This feature will be provided via manual valving on the pneumatic piping between the meters and the chlorinators. This method is acceptable to code 404C and to the activity per a phone conversation with Mr. Johnson, manager at the treatment plant.
6. A second question concerning the central control system selection of the backwash pump was also addressed. The contractor intends to provide this feature by simply connecting an output from the Aquatrol system to each backwash pump. This output shall either inhibit or allow pump operation. Actual pump start/stop shall be performed at the filter console. (Hardwired interlocks permitting only operation of only one pump at a time will also be provided as an additional measure of safety.) This is also acceptable to code 404C.
7. If there are any questions concerning this review please contact me at 444-9842.

