



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

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Department of Water Resources

1410 North Hilton • Boise, Idaho 83706-1255 • (208) 373-0502

Dirk Kempthorne, Governor
C. Stephen Allred, Director

TSCEE/D-111/2003

July 2, 2003

Mr. Norm Noonan, Project Manager
Idaho Division of Public Works
P.O. Box 83720
Boise, Idaho 83720-0072

RE: *South Idaho Correctional Institution, Ada County Replacement Well No. 4 Pumping Facilities, Well House & Equipment Approval*

Dear Mr. Noonan:

The plans and specifications for the subject project appear to meet State of Idaho standards and are conditionally approved as noted below.

STANDARD CONDITIONS:

- A. The standard conditions on the Department of Environmental Quality (DEQ) review stamp are part of this approval. Supporting reports or documents are considered to be part of the approved documents.
- B. No work may begin until a copy of this approval letter and the approved plans and specifications are delivered to and kept on the job site. Approval conditions must be met and, as the project owner, you must ensure that the contractor, inspecting engineer, and certifying engineer are aware of these conditions.
- C. This approval will be voided if: (1) construction is not completed by July 2, 2003; (2) the project is improperly constructed operated or maintained; or (3) the project fails to function, as intended.
- D. Per the project documents, a professional engineer or construction inspector under the supervision of a professional engineer with Civil Survey Consultants shall provide construction inspection sufficient to ensure the project is built in substantial accordance with the approved plans. DEQ approval, prior to construction, is required for any substantial deviations from the approved plans and specifications. Verbal approvals, if any, shall be documented by the professional engineer in a cover letter submitted with the project record drawings.
- E. Within thirty (30) days after construction, the professional engineer shall provide DEQ with either: (1) record drawings with a cover letter as described in Item C, or (2) a letter of certification stating that the project was installed in substantial accordance with the approved plans.

PROJECT SPECIFIC CONDITIONS and COMMENTS:

- 1. The plans indicate that the floor in the well house will be sloped toward the floor drain 2.5" every 10' (1/4" per foot). The flow must be sloped at least 3" every 10' (as required in RECOMMENDED STANDARDS FOR WATER WORKS, 1997 Edition, 6.2.e).

Letter to Mr. Noonan
July 2, 2003
Page 2

2. The flow meter specified is not NSF approved. An NSF approved flow meter must be installed instead (as required in IDAPA 550.02). A list of NSF approved flow meters can be found at:

<http://www.nsf.org/Certified/PwsComponents/Listings.asp?ProductType=Water+Meters&>

3. A final inspection of the well and well house and initial water quality monitoring must be conducted before water from new well no. 4 can be allowed to enter the distribution system. You can contact me to schedule an inspection. You can contact Sandy Hemenway at the DEQ Boise regional office at 373-0166 if you have questions regarding initial water quality monitoring requirements.
4. Water rights issues must be resolved with the Idaho Department of Water Resources before new well no. 4 can be used.
5. Manufacturer's literature for the new equipment must be submitted to DEQ for review along with the as-built plans.

Please call me with any questions at 373-0175, or via e-mail at tthrall@deq.state.id.us.

Sincerely,



Troy Thrall
Drinking Water Engineer
DEQ Technical Services

TAT:sjt

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Enclosures: One Set of Approved Plans and Specifications

cc: Tim Burgess, P.E., Civil Survey Consultants, Inc. (w/ enclosure)
Steve Rae, DEQ-BRO (w/ enclosure)
Steve Lester, IDWR-Western Regional Office
Chas Ariss, DEQ-BRO
Peter Bair, DEQ-TS
Central District Health Department
TSCEE/D Reading File
Boise Regional Office Source File