

FEB 24 2020

WATER RESOURCES
WESTERN REGION

STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

1445 North Orchard • Boise, Idaho 83706 • (208) 373-0550
www.deq.idaho.gov

Brad Little, Governor
John H. Tippetts, Director

February 20, 2020

Hillsdale Estates
Attn: Mr. Scott Emerich
8919 W. Ardene Street
Boise, Idaho 83709

RE: Hillsdale Estates Homeowners Association – Well No. 5 (*Ada & Canyon Counties*)
a. Well Site Conditional Approval
b. Groundwater Under Direct Influence of Surface Water Determination

Dear Mr. Emerich:

WELL SITE CONDITIONAL APPROVAL

Your consultant has submitted the required information on the well site and has certified that the site is generally acceptable for a new Public Water System well. We have reviewed that information and are approving the site per the *Idaho Rules for Public Drinking Water Systems* (IRPDWS) IDAPA 58.01.08, subject to the following conditions:

PROJECT SPECIFIC CONDITIONS

- A. The approval is for the well site only. Construction of the well, pump house, and distribution system components cannot begin until plans and specifications are approved by the Department of Environmental Quality (DEQ). The plans, specifications, and related documents will have to verify and augment the data provided in the initial Well Site Evaluation, ensuring full conformance to the IRPDWS.
- B. Preliminary Engineering Reports for any water system components such as a storage reservoir, booster station(s), and the well pump house must be approved by DEQ prior to the submittal of plans and specifications for the water system components.
- C. New source monitoring will need to be collected by the owner, tested by an Idaho certified laboratory, and approved by DEQ, before the water may be distributed to the public.
- D. You must receive written authorization from DEQ before you are allowed to serve water to the public from this well. Approvals of other portions of this project, and/or the lifting of sanitary restrictions, shall not be interpreted as authorization to serve the public.
- E. This approval will be voided if: 1) well construction is not completed by February 20, 2021; 2) the well is improperly constructed, operated, or maintained; or 3) the site conditions change before well construction has commenced.

GROUNDWATER UNDER DIRECT INFLUENCE OF SURFACE WATER

Idaho is required by federal drinking water regulations to determine whether ground water sources serving public drinking water systems are directly influenced by surface water. "Groundwater Under the Direct Influence of Surface Water" (GWUDI) may contain disease causing organisms which are normally found only in surface water, and may require additional treatment including filtration and/or disinfection and contact time.

From our review of the materials submitted for this project, we have classified this source as:

"Groundwater" - No further action is necessary

Please call Richard Lee of this office at (208) 373-0457 with any questions on the classification.

If you have any other questions about this approval, please feel free to call me at (208) 373-0281, or contact me via e-mail at Dan.M.Smith@deq.idaho.gov.

Sincerely,



Dan Smith, P.E.
Staff Engineer

Enclosures: Stamped and Approved Well Site Evaluation, Plan and Spec Cover Pages

c: Patrick Kelly, IDWR Boise Field Office

ec: Tim Farrell, P.E., Mountain Waterworks (w/ enclosures)
Cody Sprague, E.I.T., Mountain Waterworks (w/ enclosures)
Valerie Greear, P.E., DEQ Boise Regional Office
Richard Lee, DEQ Boise Regional Office
2020AGD766



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

RECEIVED

FEB 24 2020

WATER RESOURCES
WESTERN REGION

1445 North Orchard • Boise, Idaho 83706 • (208) 373-0550
www.deq.idaho.gov

Brad Little, Governor
John H. Tippetts, Director

February 20, 2020

Hillsdale Estates
Attn: Mr. Scott Emerich
8919 W. Ardene Street
Boise, Idaho 83709

RE: Hillsdale Estates Homeowners Association – Well No. 5 (*Ada & Canyon Counties*)
a. Well Engineering Report
b. Well Plan & Specifications

Dear Mr. Emerich:

The referenced documents submitted for this project appear to meet State of Idaho standards and are approved based on the conditions listed below.

PROJECT SPECIFIC CONDITIONS:

- A. This approval is for the Well Design Preliminary Engineering Report (PER) and Well Plan & Specifications only. **No construction can begin on well house and well pump improvements until the well completion report and a well house PER have been reviewed and approved by the Department of Environmental Quality (DEQ).** You may submit those reports to DEQ for review and approval at your convenience upon completion of the well.
- B. All conditions of this letter must be met. The standard conditions on the DEQ review stamp are part of this approval. Supporting reports or documents are considered to be part of the approved documents.
- C. No work may begin until a copy of this approval letter and the plan and specifications bearing the DEQ approval stamp are delivered to and kept on the job site. As the project owner, you must ensure the contractor, the construction inspector, and the certifying engineer are aware of the approval conditions.
- D. This approval will be voided if: 1) the well is not completed by February 20, 2021; 2) the well is improperly constructed, operated, or maintained; or 3) the well fails to function as intended.
- E. No material deviations can be made from the approved plans without DEQ's prior written approval.

- F. Per the project documents, the land developer or owner or his representative shall ensure that a professional engineer, or professional geologist, provides supervision of construction and written documentation of the construction and testing of the well in the form of a *well completion report* compliant with all provisions listed in the *Idaho Rules for Public Drinking Water Systems* IDAPA 58.01.08 Section 510.05.
- G. The Application for Drilling Permit, approved by the Idaho Department of Water Resources (IDWR), contains conditions that are an essential part of the subject plans and specifications. A copy of the Application for Drilling Permit approved by IDWR, and the DEQ approved plans and specifications, must be maintained at the drill site.
- H. The project engineer must stake where the well will be drilled in accordance with the DEQ approved well site plan.
- I. Before this well can be put into service and the water distributed to the public, DEQ must issue a final approval of the well and/or water system, and DEQ must issue written authorization to serve water to the public. Approvals of other portions of this project, and/or the lifting of sanitary restrictions, shall not be interpreted as authorization to serve the public.
- J. Before DEQ can issue final approval, a *well completion report* must be submitted to and approved by DEQ. This report must at a minimum include:
 - 1. Results of new source monitoring samples collected by the owner and tested by a certified laboratory.
 - 2. Results from pump tests conducted after construction. These results shall include the requirements listed in section 510.06.c of the *Idaho Rules for Public Drinking Water Systems* IDAPA 58.01.08.
 - 3. Documentation that the project was completed as approved, an as-built schematic of the well, and the well drillers log.
- K. DEQ will conduct a final engineering inspection and/or initial sanitary survey prior to final approval of the source. This can be scheduled after the well and wellhouse have been constructed according to approved plans and specifications.

PROJECT SPECIFIC CONDITIONS

- A. The *well completion report* mentioned in Standard Conditions F & J must be submitted to DEQ prior to, or concurrent with, the PER for the well house construction associated with this well. The *well completion report* contains information that is necessary for the preparation and review of the Well House Preliminary Engineering Report.

Please feel free to call me with any questions at (208) 373-0281, or contact me via e-mail at Dan.M.Smith@deq.idaho.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "Dan Smith", with a stylized flourish extending from the end.

Dan Smith, P.E.
Staff Engineer

Enclosures: Approved and Stamped Well Preliminary Engineering Report Cover Page
Approved and Stamped Well Plan & Specifications Cover Page

c: Patrick Kelly, IDWR Boise Field Office

ec: Tim Farrell, P.E., Mountain Waterworks (w/ enclosures)
Cody Sprague, E.I.T., Mountain Waterworks (w/ enclosures)
Valerie Greear, P.E., DEQ Boise Regional Office
2020AGD767