



September 25, 2015

MOOSE CREEK INVESTMENTS LLC
PO BOX 14001-363
KETCHUM, ID 83340

Reference: File G-18070

Dear Applicant:

**THIS IS NOT A PERMIT AND IS
SUBJECT TO CHANGE AT THE NEXT PHASE OF PROCESSING.**

This letter is to inform you of the preliminary analysis of the water-use permit application and to describe the options. In determining whether an application may be approved, the Department must consider the factors listed below, all of which must be favorable to the proposed use if it is to be allowed. Based on the information supplied, the Water Resources Department has made the following preliminary determinations:

Initial Review Determinations:

1. The application proposed the appropriation of 6.68 cubic feet per second (CFS) of water from Well 1 in Sutton Creek Basin and Well 2 and Well 3 in Powder River Basin for supplemental irrigation of 1393.3 acres March 1 through October 31 of each year.
2. The proposed use is not prohibited by law or rule except where otherwise noted below.
3. The appropriation of water from Well 1 in Sutton Creek Basin and Well 2 and Well 3 in Powder River Basin for supplemental irrigation is allowable under the Powder Basin Program (OAR 690-509-0000).
4. Groundwater will likely be available within the capacity of the resource, and if properly conditioned, the proposed use of groundwater will avoid injury to existing groundwater rights.

The Department has determined, based upon OAR 690-009, that the proposed groundwater use will not have the potential for substantial interference with any surface water source.

6. The application proposed supplemental irrigation of 39.7 acres in the SW 1/4 of the NE 1/4, Section 10, however the existing primary Certificates 73610 and 80460 only allow irrigation of 39.4 acres. Therefore the acreage is limited to 39.4 acres in the SW 1/4 of the NE 1/4, Section 10.

Summary of Initial Determinations

The appropriation of 6.68 CFS of water from Well 1 in Sutton Creek Basin and Well 2 and Well 3 in Powder River Basin for supplemental irrigation of 1393.0 acres is allowable during the full period requested, March 1 through October 31 of each year.

Because of these favorable determinations, the Department can now move the application to the next phase of the water-rights application review process, where public interest factors will be evaluated.

Please reference the application number when sending any correspondence regarding the conclusions of this initial review. Comments received within the comment period will be evaluated at the next phase of the process.

To Proceed With the Application:

If you choose to proceed with the application, you do not have to notify the Department. The application will automatically be placed on the Department's Public Notice to allow others the opportunity to comment. After the comment period the Department will complete a public interest review and issue a Proposed Final Order.

Withdrawal Refunds:

If you choose not to proceed, you may withdraw the application and receive a refund (minus a \$225 processing charge per application). To accomplish this you must notify the Department in writing by **Friday, October 9, 2015**. For your convenience you may use the enclosed "STOP PROCESSING" form.

If A Permit Is Issued It Will Likely Include The Following Conditions:

1. Measurement devices, and recording/reporting of annual water use conditions:
 - A. Before water use may begin under this permit, the permittee shall install a totalizing flow meter at each point of appropriation. The permittee shall maintain the device in good working order.
 - B. The permittee shall allow the watermaster access to the device; provided however, where any device is located within a private structure, the watermaster shall request access upon reasonable notice.
 - C. The permittee shall keep a complete record of the volume of water diverted each month, and shall submit a report which includes water-use measurements to the Department annually, or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water-use information, including the place and nature of use of water under the permit.
 - D. The Director may provide an opportunity for the permittee to submit alternative measuring and reporting procedures for review and approval.

2. Static Water Level Conditions

The Department requires the water user to obtain, from a qualified individual (see below), and report annual static water levels for each well on the permit. The static water level shall be measured in the month of March. Reports shall be submitted to the Department within 30 days of measurement.

The permittee shall report an initial March static water-level measurement once well construction is complete and annual measurements thereafter. Annual measurements are required whether or not the well is used. The first annual measurement will establish a reference level against which future measurements will be compared. However, the Director may establish the reference level based on an analysis of other water-level data. The Director may require the user to obtain and report additional water levels each year if more data are needed to evaluate the aquifer system.

All measurements shall be made by a certified water rights examiner, registered professional geologist, registered professional engineer, licensed well constructor or pump installer licensed by the Construction Contractors Board. Measurements shall be submitted on forms provided by, or specified by, the Department. Measurements shall be made with equipment that is accurate to at least the standards specified in OAR 690-217-0045. The Department requires the individual performing the measurement to:

- A. Associate each measurement with an owner's well name or number and a Department well log ID; and
- B. Report water levels to at least the nearest tenth of a foot as depth-to-water below ground surface; and
- C. Specify the method of measurement; and
- D. Certify the accuracy of all measurements and calculations reported to the Department.

The Department may require the discontinuance of groundwater use, or reduce the rate or volume of withdrawal, from the well(s) if any of the following events occur:

- A. Annual water-level measurements reveal an average water-level decline of three or more feet per year for five consecutive years; or
- B. Annual water-level measurements reveal a water-level decline of 15 or more feet in fewer than five consecutive years; or
- C. Annual water-level measurements reveal a water-level decline of 25 or more feet; or
- D. Hydraulic interference leads to a decline of 25 or more feet in any neighboring well with senior priority.

The period of restricted use shall continue until the water level rises above the decline level which triggered the action or the Department determines, based on the permittee's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or causing substantial interference with senior water rights. The water user shall not allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit. If more than one well is involved, the water user may submit an alternative measurement and reporting plan for review and approval by the Department.

3. Dedicated Measuring Tube: Wells with pumps shall be equipped with a minimum 3/4-inch diameter, unobstructed, dedicated measuring tube pursuant to figure 200-5 in OAR 690-200. If a pump has been installed prior to the issuance of this permit, and if static water levels and pumping levels can be measured using an electrical tape, then the installation of the measuring tube can be delayed until such time that water levels cannot be measured or the pump is repaired or replaced.
4. The wells shall be constructed to produce only from the volcanic aquifer beneath the valley-fill alluvium, the top of which typically occurs there at a depth of 600-900 feet below land surface.
5. Each well shall be continuously cased and continuously sealed at least 10 feet into volcanic rock.
6. The open interval below the casing shall extend no more than 200 feet into the volcanic aquifer. However, a larger open interval may be approved by the Department if the applicant can demonstrate to the satisfaction of the Department that each well is only open to a single aquifer. Substantial evidence of a single aquifer completion may be collected by video log, downhole flowmeter, water chemistry and temperature, or other downhole geophysical methods approved by the Department. These methods shall characterize the nature of the basalt rock and assess whether water is moving in the borehole. Any discernable movement of water within the well bore when the well is not being pumped shall be assumed as evidence of the presence of multiple aquifers in the open interval.
7. Drill cuttings shall be collected at 10-foot intervals and at changes in lithology in the well, and a labeled split of each sampled interval shall be provided to the Department.
8. For each well drilled under this permit, a constant-rate aquifer test shall be conducted to determine aquifer properties and to assess the potential impacts from use of the well **before beneficial use begins**. The test shall be designed and conducted by an Oregon Registered Geologist and the test design shall be subject to the approval of the Groundwater Section of the Department prior to the test. At a minimum, the test shall include discharge and water-level measurements in the pumping well and simultaneous water-level measurements in all other wells drilled under this water right. Pumping duration for the test shall be determined by the Department after well yield and specific capacity are determined. The requirement for a constant-rate aquifer test on each well may be waived if a multiple-well aquifer test is performed involving all permitted wells on this water right within five years of the date of permit issuance. The results of each aquifer test shall be presented in a report to the Department that includes an analysis of aquifer properties, aquifer boundaries, and the potential impact on nearby wells that is likely to occur over the duration of an irrigation season if the well is used at the licensed rate and duty.
9. Copies of all geologic and hydrogeologic reports completed for the permittee during the development of the well, including geophysical well logs and borehole video logs, shall be provided to the Department. Except for borehole video logs, two paper copies, or a single electronic copy, shall be provided of each report. Digital tables of any data shall be provided upon request.

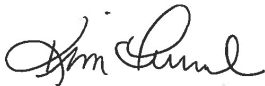
10. Prior to using water from any well listed on this permit, the permittee shall ensure that the well has been assigned an OWRD Well Identification Number (Well ID tag), which shall be permanently attached to the well. The Well ID shall be used as a reference in any correspondence regarding the well, including any reports of water use, water level, or pump test data.

The water source identified in the application may be affected by an Agricultural Water Quality Management Area Plan. These plans are developed by the Oregon Department of Agriculture (ODA) with the cooperation of local landowners and other interested stakeholders, and help to ensure that current and new appropriations of water are done in a way that does not adversely harm the environment. You are encouraged to explore ODA's Water Quality Program web site at <http://www.oregon.gov/ODA/programs/NaturalResources/Pages/AgWaterQuality.aspx> to learn more about the plans and how they may affect your proposed water use.

If you have any questions:

Feel free to call me at 503-986-0816 if you have any questions regarding the contents of this letter or the application. Please have the application number available if you call. General questions about water rights and water use permits should be directed to our customer service staff at 503-986-0801. When corresponding by mail, please use this address: Kim French, Oregon Water Resources Department, 725 Summer St NE Ste A, Salem OR 97301-1266. Our fax number is 503-986-0901.

Sincerely,



Kim French
Water Right Application Caseworker

enclosures: Application Process Description and Stop Processing Request Form

G-18070
WAB 9-No PSI
POU 9-No PSI
GW

APPLICATION FACT SHEET

Application File Number: G-18070

Applicant: MOOSE CREEK INVESTMENTS LLC

County: Baker

Watermaster: 8

Priority Date: May 1, 2015

Source: WELL 1 IN SUTTON CREEK BASIN, AND WELL 2 AND WELL 3 IN POWDER RIVER BASIN

Use: SUPPLEMENTAL IRRIGATION OF 1393.3 ACRES

Quantity: 6.68 CUBIC FEET PER SECOND

Basin Name & Number: Powder, #9

Stream Index Reference: Volume 2 POWDER R MISC

Well Location(s):

WELL 1: NENW, SECTION 23, T9S, R40E, W.M.; 1265 FEET SOUTH AND 1570 FEET EAST FROM NW CORNER, SECTION 23

WELL 2: NESW, SECTION 14, T9S, R40E, W.M.; 2188 FEET NORTH AND 1556 FEET EAST FROM NW CORNER, SECTION 23

WELL 3: SENE, SECTION 15, T9S, R40E, W.M.; 3800 FEET NORTH AND 1105 FEET WEST FROM NW CORNER, SECTION 23

Place of Use:

SW $\frac{1}{4}$ NE $\frac{1}{4}$ 39.7 ACRES
NE $\frac{1}{4}$ SE $\frac{1}{4}$ 40.0 ACRES
NW $\frac{1}{4}$ SE $\frac{1}{4}$ 40.0 ACRES
SW $\frac{1}{4}$ SE $\frac{1}{4}$ 39.0 ACRES
SE $\frac{1}{4}$ SE $\frac{1}{4}$ 40.0 ACRES
SECTION 10

NE $\frac{1}{4}$ NE $\frac{1}{4}$ 40.0 ACRES
NW $\frac{1}{4}$ NE $\frac{1}{4}$ 31.5 ACRES
SW $\frac{1}{4}$ NE $\frac{1}{4}$ 40.0 ACRES
SE $\frac{1}{4}$ NE $\frac{1}{4}$ 40.0 ACRES
NE $\frac{1}{4}$ NW $\frac{1}{4}$ 40.0 ACRES
SW $\frac{1}{4}$ NW $\frac{1}{4}$ 40.0 ACRES
SE $\frac{1}{4}$ NW $\frac{1}{4}$ 40.0 ACRES
NE $\frac{1}{4}$ SW $\frac{1}{4}$ 40.0 ACRES
NW $\frac{1}{4}$ SW $\frac{1}{4}$ 40.0 ACRES
SW $\frac{1}{4}$ SW $\frac{1}{4}$ 40.0 ACRES

SE $\frac{1}{4}$ SW $\frac{1}{4}$ 40.0 ACRES
NE $\frac{1}{4}$ SE $\frac{1}{4}$ 39.6 ACRES
NW $\frac{1}{4}$ SE $\frac{1}{4}$ 39.6 ACRES
SECTION 11

NW $\frac{1}{4}$ NE $\frac{1}{4}$ 20.0 ACRES
SW $\frac{1}{4}$ NE $\frac{1}{4}$ 15.0 ACRES
NE $\frac{1}{4}$ NW $\frac{1}{4}$ 40.0 ACRES
NW $\frac{1}{4}$ NW $\frac{1}{4}$ 37.5 ACRES
SW $\frac{1}{4}$ NW $\frac{1}{4}$ 40.0 ACRES
SE $\frac{1}{4}$ NW $\frac{1}{4}$ 36.0 ACRES
NE $\frac{1}{4}$ SW $\frac{1}{4}$ 7.9 ACRES
NW $\frac{1}{4}$ SW $\frac{1}{4}$ 40.0 ACRES
SW $\frac{1}{4}$ SW $\frac{1}{4}$ 40.0 ACRES
SE $\frac{1}{4}$ SW $\frac{1}{4}$ 6.5 ACRES
SECTION 14

NE $\frac{1}{4}$ NE $\frac{1}{4}$ 37.0 ACRES
SE $\frac{1}{4}$ NE $\frac{1}{4}$ 9.6 ACRES
SE $\frac{1}{4}$ NW $\frac{1}{4}$ 5.0 ACRES
NE $\frac{1}{4}$ SW $\frac{1}{4}$ 8.5 ACRES
SE $\frac{1}{4}$ SW $\frac{1}{4}$ 10.5 ACRES
NE $\frac{1}{4}$ SE $\frac{1}{4}$ 25.9 ACRES
NW $\frac{1}{4}$ SE $\frac{1}{4}$ 31.0 ACRES
SW $\frac{1}{4}$ SE $\frac{1}{4}$ 40.0 ACRES
SE $\frac{1}{4}$ SE $\frac{1}{4}$ 40.0 ACRES
SECTION 15

NE $\frac{1}{4}$ NE $\frac{1}{4}$ 24.6 ACRES
NW $\frac{1}{4}$ NE $\frac{1}{4}$ 23.2 ACRES
NE $\frac{1}{4}$ NW $\frac{1}{4}$ 7.0 ACRES
SECTION 22

NW $\frac{1}{4}$ NW $\frac{1}{4}$ 21.2 ACRES
SW $\frac{1}{4}$ NW $\frac{1}{4}$ 30.4 ACRES
SE $\frac{1}{4}$ NW $\frac{1}{4}$ 30.3 ACRES
NE $\frac{1}{4}$ SW $\frac{1}{4}$ 28.4 ACRES
NW $\frac{1}{4}$ SW $\frac{1}{4}$ 28.4 ACRES
SECTION 23

TOWNSHIP 9 SOUTH, RANGE 40 EAST, W.M.

14 DAY STOP PROCESSING DEADLINE DATE: Friday, October 9, 2015

PUBLIC NOTICE DATE: Tuesday, September 29, 2015

30 DAY COMMENT DEADLINE DATE: Thursday, October , 2015

Mailing List for IR Copies

Application #G-18070

IR Date: September 25, 2015

Original and map mailed to applicant:

MOOSE CREEK INVESTMENTS LLC, PO BOX 14001-363, KETCHUM, ID 83340

SENT VIA EMAIL:

1. WRD - Watermaster # 8

IR, Map, and Fact Sheet Copies sent to:

2. WRD - File # G-18070

3. Department of Agriculture

Affected District (include "Notice of Initial Review--Affected District")

1. Baker Valley Irrigation District, 3895 10th St, Baker City, OR 97814

Copies Mailed By: _____ (SUPPORT STAFF) on: _____ (DATE)
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Caseworker: Kim French

COPYSHT.IR

APPLICATION PROCESS DESCRIPTION FOR GROUNDWATER, SURFACE WATER AND REGULAR RESERVOIR APPLICATIONS

In order to take and use the waters of Oregon, a citizen must first obtain a permit from the Water Resources Department. The water must be used for beneficial purpose - without waste. To become well-informed about water right topics, weekly public notice, forms and fees please visit our web site at www.wrd.state.or.us

1. *Pre-application considerations*

- follow instructions in the application packet
- if you have questions about completing an application or would like to arrange a pre-application conference contact the Department's Water Rights Information Group (WRIG) at 503-986-0801

2. *Application filing*

- application with fee is received by the Department
- Department determines completeness of application
- if use is not allowed by statute (ORS 538), the application and fees are returned to the applicant
- incomplete application and fees are returned to the applicant
- only a complete application receives a tentative priority date, is assigned a caseworker, and moves forward for processing

3. *Initial Review (IR)*

- caseworker reviews application by considering basin plans, water availability, statutory restrictions and all other appropriate factors
- caseworker sends IR report to applicant
- contact the caseworker if you have questions about the IR
- seven days after date of the IR, it is included in Department's weekly Public Notice
- public comments must be submitted within 30 days after the Public Notice
- **administrative hold** may be requested in writing by applicant

4. *Proposed Final Order (PFO)*

- caseworker evaluates application against required criteria and develops draft permit, if appropriate
- PFO includes instructions for filing of protests
- caseworker considers public comments and mails PFO to applicant
- the PFO is included in Department's weekly Public Notice
- public protests to the PFO must be submitted within 45 days after the Public Notice

Stop Processing deadline is within 14 days of Initial Review - use the form below

- applicant may request no further action and fee refund of all but \$225

STOP PROCESSING REQUEST FOR GROUNDWATER, SURFACE WATER AND REGULAR RESERVOIR APPLICATIONS

Applicant notification to withdraw Water Right Application # _____

After reviewing the Initial Review for my application, I request that processing be stopped and the fees be refunded (minus a \$225 examination fee.) I understand that without a valid permit I may not legally use the water as requested in my application

Signature _____ date _____

Signature _____ date _____

Under ORS 537.150 (5) and 537.620 (5) timely submission of this request authorizes that the water right application process be stopped and all filing fees (except \$225 examination fee) be returned.

This notice must be received at Water Resources Department by _____

Return the notice to: OWRD, Water Rights Division

STOP PROCESSING

725 Summer Street, NE - Suite A

Salem OR 97301-1271

5. *Final Order (FO)*

- if no protest is filed, Final Order is issued

The protest process

If one or more protests are filed, permit process consists of:

- settlement discussion
- contested case hearing
- proposed order
- period of time to file exceptions
- possible hearing by Water Resources Commission
- final order issued

Permit holder responsibilities

- comply with all water use conditions of the permit
- advise Department of address change or assignment to new permit holder
- if need arises, request extension of time or authorize cancellation of permit
- submit timely claim of beneficial use (COBU) to Department
- most permits require COBU to be prepared by a Certified Water Right Examiner
- permits may be canceled by the permit holder or by the Department for failure to comply with or one or more permit conditions