

MEMORANDUM

Date: April 18, 2017
To: Water Right File 1-10609 (formerly 1-7143)
From: Michele Edl
Re: Application for Permit Review

Six PODs were added to Application for Permit 1-7143 and it has been renumbered to 1-10609.

Applicant

Idaho Water Resource Board (IWRB) is not listed as owner of either the POU or the PODs. However, included in the application are several Memorandums of Intent (MOI). Each proposed POD can be associated with a MOI agreement between the IWRB and the related canal company.

Roger Chase, IWRB chairman, signed the application for permit.

Source & POD

The source water for all diversions will be the Snake River.

The proposed PODs will be the existing head works belonging to five irrigation entities: Southwest Irrigation District, Burley Irrigation District, Northside Canal Company, Twin Falls Canal Company and A & B Irrigation District. An additional POD is also proposed to divert from the headwater pool of Lake Walcott.

Water Use

The application proposes use of surface water for ground water recharge. The rate of recharge through the canals varies and will need to be in excess of the total rate needed to supply water for existing water rights.

A quick review of the canal capacities indicates that, in combination, they can deliver the amount of water requested. The rates are reasonable.

The Department has a better understanding of the ESPA now than it did when the original application for permit 1-7143, was submitted in July of 1998. According to the McVay prioritization report ¹, the sites proposed by this application are likely to provide successful long-term recharge.

POU

The POUs will primarily be existing canal system channels. The permit also proposed a new

¹ Incorporating Recharge Limitations into the Prioritization of Aquifer Recharge Sites Based on Hydrologic Benefits Using ESPAM2.1 McVay, M., Idaho Department of Water Resources, November 2015.
<http://idwr.idaho.gov/files/publications/201511-OFR-Limitations-Prioritization-of-Aquifer-Recharge-Sites-EPAM21.pdf>

distribution system which will divert from headwater pool at Minidoka dam.

I created recharge POU shape based on the application layer and the service territories of the canal irrigation districts.

POU/POD overlap analysis

The POU's and POD's are overlapped by too many water rights to list.

Conditions

The proposed POU's and POD's are currently located within water district 1. The permit will be conditioned with measuring device and watermaster control notifications.

Conditions from the recent settlement of the protests to this application will be included on the permit.