

Peer Review Plan

Memorandum: Information used in the Drawdown Cone of Depression from Troutlodge AEM Drain Model

Date: 6/9/2020

Originating office: Bureau of Reclamation, Columbia-Pacific Northwest Region, Ephrata Field Office, 32 C ST NE, Ephrata, WA 98823

Reclamation roles:

Director or delegated manager: Lorri Gray, Regional Director, Columbia-Pacific Northwest Region, Bureau of Reclamation

Peer Review Lead: Michael Procsal, Geologist, Columbia-Pacific Northwest Region, Bureau of Reclamation

Subject and Purpose:

An Analytical Element Model (AEM) was developed by TSC to evaluate a proposed drain on Troutlodge Property. The model did not include a graphical output for evaluation for the client. This model evaluates the drawdown of the drain system using identical hydraulic properties for the model developed by TSC to show the drawdown for the proposed drain. The drawdown analysis uses the forward solution wizard in Aqtesolve, an established model for performing this type of calculation.

Impact of Dissemination:

This work will be reviewed by an external party that is critical of work completed by Reclamation on the Potholes Supplemental Feed Route. This work requires peer review because of the review provided by external parties. This is a Discretionary review.

Peer Review Scope:

The modeling report this memo has been from has already been evaluated for peer review. The peer reviewer is to review the existing information and ensure that the evaluation conducted is appropriate.

Timing of Review:

The review will need to be completed by June 26, 2020. After changes are made, the memo will be updated and provided to external parties.

Methodology of Review:

The review will be conducted by individuals. The identities of the reviewers will be disclosed in the final Peer Review Report. Review findings/comments will be attributed to the individual reviewer.

Number of Peer Reviewers: 1-2

Reviewer Selection Process:

Peer reviewers will have experience using Aqtesolve and a background in aquifer and geologic characterization.

Delivery of findings:

Comments will be delivered by track changes in a word document.

Response to Peer Review:

The Peer Review Report and Reclamation's response to the Report will be published on Reclamation's peer review website (<http://www.usbr.gov/main/qoi/peeragenda.html>).

Applicability of the Federal Advisory Committee Act (FACA):

This peer review is not subject to the Federal Advisory Committee Act (FACA) because the review does not involve open meetings or committee chartering and reviewers are being asked to provide individual reviews on the subject matter. Reclamation is not seeking consensus advice from the reviewers as a group.

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