

Comment Report

22-13425

1. csaxton 9/9/2011 Storage Volume calculation

Comment: The field examiner recommended a maximum diversion volume of 11.1 AF. This volume did not take into account losses through evaporation. The license includes volume for evaporative losses.

The field examiner reported the developed surface area of the pond as 2.3 acres but was measured in ArcMap to be 1.74 acres. The design surface area was actually 2.36 acres. Because of the change in the actual surface developed in contrast to what was designed, the calculated evaporative losses are different than what was originally estimated. The volume to be appropriated for evaporative loss reflected on the license was calculated by taking the ration of the estimated pond surface area and associated evaporative losses and applying that to the developed surface area of 1.74 acres.

Design Actual

$$\frac{4.17 \text{ AF}}{2.36 \text{ ac}} = \frac{x}{1.74 \text{ ac}} \quad x = 3.1 \text{ AF evaporative loss}$$

Actual surface area of the pond measured using ArcMap is 1.74 acres. Pond capacity is $(1.7 \text{ ac} * 12 \text{ feet deep} * 0.4) = 8.3 \text{ af}$. The actual evaporative loss is calculated to be 3.1 AF. Total volume for the pond is $8.3 \text{ af} + 3.1 \text{ af} = 11.4 \text{ AF}$.

2. csaxton 9/9/2011 Mitigation Condition Language

Comment: Permit condition number 5 pertaining to mitigation states that the ground to be dried up is under 22-153 is located in the NENE, S27, T5N, R46E when the actual ground under 22-153 that was dried up is in the NESE, S27, T5N, R45E. This is not a significant change as outlined in Water Appropriation rules (IDAPA 37.03.08.035.04.a) therefore an amendment is not needed to correct the language in permit condition #5 when it is carried over to licensing.

3. csaxton 9/28/2011 Mitigation Condition Met

Comment: Mitigation condition has been satisfied. This permit is part of a group of permits (22-13416 thru 22-13428) issued for storage with the agreement to mitigate with a portion of 22-153. The agreed total mitigation for this group of rights was to dry up 28.1 acres under right 22-153 to provide mitigation for evaporative losses of 57.7 AF. I verified that the acreage was dried up using ArcMap and easily identifying 26 acres of ground that was green in 2004 and is dry in 2009 which proportionally would provide 53.4 AF of mitigation. The actual evaporative losses for ponds developed to date is 32.2 AF.

4. csaxton 9/9/2011 Amendment needed

Comment: Amendment needed. The pond falls in the SENW and the SWNE of section 27 which will also require a second POD.

5. csaxton 9/14/2011 POD Location

Comment: Examiner could not locate exact POD as the source is springs in the footprint of the

pond. In the situation where the source is suspected to be from seepage/or multiple springs in the footprint of the pond, but we cannot lock down exactly where the POD is located, the practice is to identify one, main point of diversion. However, in this situation the pond falls within two 40 acre tracts so two points of diversion will be identified. I placed a point in the center of the portion of the pond falling in each QQ.

6. csaxton 9/14/2011 Source

Comment: Since multiple PODs are described, the source is more appropriately described as springs. This is a clarification in source and not a change in source.

7. csaxton 9/14/2011 10:41:55 AM POD

Comment: Updated Shape

8. csaxton 9/16/2011 Purpose of Use

Comment: Because there is no direct diversion for stockwater from the pond, stockwater will be changed to Stockwater Storage.

9. csaxton 9/16/2011 10:44:35 AM POU

Comment: Updated Shape

10. eretelle 12/1/2005 POD

Comment: Updated shape

11. eretelle 12/1/2005 POU

Comment: Updated Shape

12. psdaggs 4/26/2011 Mitigation Use

Comment: Mitigation condition identifies incorrect QQ for Right 22-153 & will be addressed at licensing.

13. scox 9/6/2005 11:23:18 AM Special Administration Area Notes

Comment: Special Administration Areas : Eastern Snake River Plain Area (Moratorium Area)

Exempt: Y

Reason:

Doc Attached:

Explanation:

Special Administration Areas : Non Trust Water Area (Non Trust Water Area)

Exempt: Y

Reason:

Doc Attached:

Doc Attached:

Explanation: