

Comment Report

22-13417

1. csaxton 9/8/2011 9:36:24 AM POD

Comment: Updated Shape

2. csaxton 9/8/2011 11:58:57 AM POU

Comment: Updated Shape

3. csaxton 9/8/2011 Stockwater overlap

Comment: 22-10649 overlaps the POU and it appears to overlap the POD but 22-10649 is live flow and the stockwater use is incidental to irrigation. Stockwatering use under this right is more accurately described as stockwater storage and is a different use than 22-10649. No combine use limits.

4. csaxton 9/8/2011 Error in Mitigation Condition

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 22-152 that was dried up is in the NESE, S27, T5N, R45E. This is not 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.

5. csaxton 9/9/2011 Evaporative Loss Calculation

Comment: The field examiner recommended a maximum diversion volume of 7.2 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 2.26 acres. The design surface area was actually 2.89 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 ratio of the estimated pond surface area and associated evaporative losses and applying that to the developed surface area.

$$\begin{array}{rcl} \text{Design} & & \text{Actual} \\ 5.11 \cancel{2.89} \text{ AF} & = & \frac{x}{5.11 \text{ ac}} \\ 5.89 \cancel{3.75} \text{ ac} & & 2.26 \end{array} \quad x = 4.0 \text{ AF evaporative loss}$$

Actual surface area of the pond measured using ArcMap is 2.26 acres. Pond capacity is $(2.26 \text{ ac} * 8 \text{ feet deep} * 0.4) = 7.2 \text{ af}$. The actual evaporative loss is calculated to be 4.0 AF. Total volume for the pond is $7.2 \text{ af} + 4.0 \text{ af} = 11.2 \text{ af}$.

The field examiner recommended a maximum diversion volume of 16.4 AF. This volume did not take into account losses through evaporation. The license includes volume for evaporative losses.

6. csaxton 9/9/2011 Mitigation Requirement Met

Comment: Mitigation condition has been satisfied. This right is part of a group of rights (22-13416 thru 22-13428) that were permitted 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 developed ponds evaporative losses total 32.2 AF.

7. csaxton 9/13/2011 POD Location

Comment: Examiner located one spring that feeds the pond as a point of diversion in the SENENW , S.27. The examiner suspects that additional PODs provide water from springs feeding the pond from the footprint of the pond. In a 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 they are located, the practice is to identify one, main point of diversion. Therefore the POD licensed is the one that the field examiner positively identified.

8. csaxton 9/13/2011 Source

Comment: Because we are identifying one POD, the source is more accurately described as Spring.

9. csaxton 9/19/2011 9:43:01 AM POU

Comment: Updated Shape

10. eretelle 11/29/2005 POD

Comment: Updated shape

11. eretelle 11/29/2005 POU

Comment: Updated Shape

12. eretelle 11/29/2005 POU

Comment: Updated Shape

13. eretelle 11/29/2005 POU

Comment: Updated Shape

14. psdaggs 4/26/2011 Mitigation Use

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

15. scox 9/6/2005 8:24:57 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: