

License Review for 67-7878

Agent: Sandy Hemenway

Date: 5/6/2009

Name: Little Weiser Irrigation Dist.
Person of Contact: J. Wayne Burkhardt, Secretary (208) 256-4437
Physical Address: 2410 Little Weiser Rd., Indian Valley, ID 83632
Directors of the District: John Schwenkfelder, Chairman
Isaac Ward, Board Member (208) 257-3812
Ralph Yantis, Board Member
***See By-Laws of Little Weiser Irrigation District (copy in file)

Permit # 67-7878
Source: Little Weiser River
Tributary: Weiser River
Purpose of this WR: Expands primary storage system in 67-2385 (increase height of dam by 2')
Overlaps: POU Irrigated (same irrigation district digital boundary as 67-2385, Little Weiser Irrigation District)
POD (same POD as 67-2385)
Other Uses: Diversion to Storage; Irrigation Storage
Point of Diversion, a single POD between: (1) T14N, R1W Sec 36 NESW (2) SENW
67-2385 Adj. Rec. indicates POD as SENW
1/29/2009 Field inspection confirmed QQ, and both 67-2385 & 67-7878 share same POD location.

Location of POD: SE of Wayne Burkhardt's house (2410 Little Weiser Rd., Indian Valley)
go through Wayne's drive way, over the canal, & turn right
Owner of property at POD: Tom Fenlon
Delivery of Water by: Water Master District #67A
Beneficial Use: Irrigation Storage 870.AF
Irrigation From Storage 870 AF
Diversion to Storage 40.0 CFS

Describe System (how diverted): increased C. Ben Ross dam about 2 ft., use existing diversion ditch and distribution network from reservoir to capture 870AF more (42-202 part 3, allows up to 5 afa/acre from the same source in a storage scenario)
(7800 afa + 870afa)/6042 acres = 1.4 afa/acre
(67-2385)Original Height of storage dam: 70ft
(67-2385)Original Active reservoir capacity: 11,650AF
(67-2385)Regular Period of year diverting to storage: 11/1 - 3/31
Period of diverting additional flow: during peak runoff: 4/15 - 5/30
(which would be supplemental diversion to storage)

Common Name for Reservoir: C Ben Ross Dam
Dam Inspection Number: D67-2385
Storage Capacity from Dam Inventory Inspection: 7787 AF
Proof submitted is for 870 AF added to the existing 7787 AF
Most current copy of a dam inspection found: 2002 (Cynthia Clark stated there should be another one, but could not be found)

Type of Measuring Device Installed: Concrete abatement with a submerged orifice weir (controlled and regulated by the Watermaster). Diagram drawn by John Westra/Western.

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Copy of Diagram and pictures from field inspection are in file.

Type of Irrigation: Gravity Irrigation with existing ditches (same as 67-2385)

acres irrigated: 6041.5 (6042 acres within service area of the Little Weiser Irrigation District.)

Owners of land being irrigated: District water users (Names listed in By-Laws of Little Weiser Irrigation District----copy in file)

Easement for POD and Diversion Ditch: Yes

Recorded easement for diversion ditch;applicant auth. 2 deliver water 2 users.

Additional Notes: IDWR Dam Safety Section approved construction plans.

Supplemental Water: Supplemental water will be stored in C. Ben Ross Reservoir.

Other Water Rights Used: 67-2385 (the existing 7787AF storage, before 2ft added w/67-7878

Feasibility Study submitted by Ken Rice, Holladay Engineering, project #020695, on 8/1996

Plans and specifications for flashboard structure dam approved:
11/7/2001 signed by Norm Young

Amended Application for Permit: 12/14/01 12/4/2001 letter w/ signatures from board

RECEIPT NO. W013806 W029323 (dept. error in fee, therefore no advancement of priority)
Correct Fees submitted.

Proof of Beneficial Use: Submitted and dated 6/13/2002

Field Exam Date: 1/29/2009 Accompanied by: Jerry Jaeger (208) 257-3713

Flow Measurements Obtained: 4/24/2009, Accompanied by Wayne Burkhardt (208) 256-4437
Submerged Orifice Formula = 50.8 cfs

Arc Map Calculations of Reservoir: 352.6 acres X 57' = 20098.2 af (capacity of reservoir when "full")

The following items WERE NOT INCLUDED AS CONDITIONS ON THE LICENSE, since they were not listed on the Permit (per Jeff Peppersack):

Conditions from the 4/29/02 Letter written by Bobby Fleenor, Chief Resource Protection Bureau (IDWR)

- 1) Flashboards shall be installed for no more than 60 days beginning on 5/15/2002.
- 2) Flashboards shall be operated so that the maximum reservoir elevation does not exceed gauge height 57.0 ft or 2.0 ft above the spillway crest.
- 3) Flashboards shall be secured to prevent unauthorized removal.
- 4) While the flashboards are in place and the reservoir is above gauge height 55.0 ft the dam embankment shall be examined thoroughly (daily) to ascertain whether there are seepage problems, erosion along the upstream slope (due to wave action). The Little Weiser Irrigation District shall stockpile material convenient to the dam to repair any eroded area(s) apparent, and shall immediately notify IDWR of any problems noted.
- 5) Diversion of water to elevate the operating level shall not interfere with natural flow rights, or otherwise impair the water rights of others.
- 6) The flashboards shall be completely removed once the reservoir level recedes, or is drawn down below the spillway crest, gauge height 55.0 ft. The reservoir shall be drawn down below gauge height 55.0 ft and the flashboards completely removed from the spillway channel on or before July 15, 2002.
- 7) The Little Weiser Irrigation District accepts full responsibility for flashboard installation, its effects and control of the operating level, and its impact on the shoreline around the reservoir.
- ***8) Per Memo from Steve Lester dated 2/5/2002, conditions for possible future mitigation and compliance with safety of dams practices should be added.

REMINDER: Keep the spillway clear of rocks and debris to prevent obstructing overflows. Spray/cut and remove woody growth (rose and willow bushes removed i.e. left downstream slope). Control rodents and burrowing animals. Prevent livestock from trampling/plugging the drain exit (place a screen or grate over the pipe (toe drain pipe to the creek).