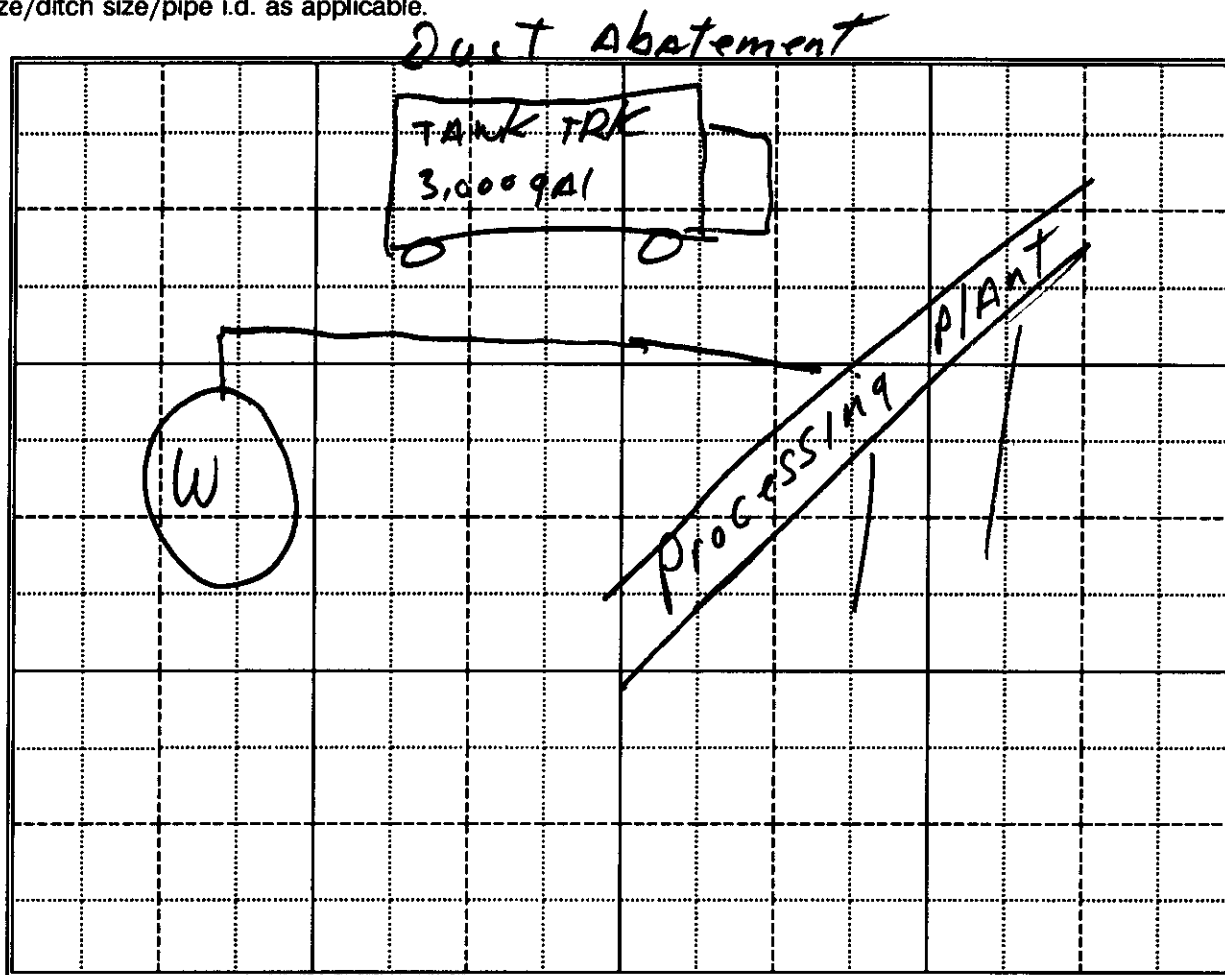


[illegible]

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe I.d. as applicable.



Scale: 1" = *100 FT*

____ Copy of USGS Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

____ Aerial Photo Attached (required for irrigation of 10+ acres)

____ Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	<i>Franklin</i>	<i>60</i>	<i>NA</i>	<i>Berkeley</i>	<i>6160-275</i>

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements: _____

This is a topographic map of the Grangeville, Idaho area. The map features contour lines indicating elevation, with major contours at 3200, 3400, 3600, 3800, 4000, 4200, 4400, 4600, and 4800 feet. A rectangular grid is superimposed on the map, with a point marked '3480' inside it. Handwritten annotations include 'Camel Grave' at the top, 'P.O.' in the center, and 'SS 359' in the lower center. Other features include 'Grangeville', 'Butcher Creek', 'Cove Road', 'Gravel Pits', 'Drive-in Theater', and 'Mt Idaho'. The map also shows various landmarks such as 'Grangeville', 'Butcher Creek', 'Cove Road', 'Gravel Pits', 'Drive-in Theater', and 'Mt Idaho'.



PD



PD

85-15359

E. NARRATIVE/REMARKS/COMMENTS

Permit describes domestic use for an office. However there is no office. There are outside faucets + wash basin for employees to wash up, drink, wash eyes etc. I considered this outside domestic uses.

Annual Volume: Current est. tons per year 15,000, at a wash rate of 50 tons per hour. Equals 300 production hours per year with water usage of 300 gpm. = 5.4 million gals. Dust control = 250,000 gal + 5.4 million = 5,650,000 gal = 17.4 AFA + .6 AF Domestic = 18 AFA

Have conditions of permit approval been met? ☒ yes ☐ no

F. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

Filled a 3000 gal tank truck in 10 min.

$$\frac{300 \text{ gpm} \times 1.33651}{60} = 0.66 = 0.7 \text{ cfs}$$

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

 $V_{I.R} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{\hspace{2cm}}$ $V_{D.R} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = \underline{\hspace{2cm}}$ $V = \text{Smaller of } V_{I.R} \text{ and } V_{D.R} = \underline{\hspace{2cm}}$

2. Volume Calculations for Other Uses:

See narrative for annual vol. fig.

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
<i>Domestic</i>	<i>01-01</i>	<i>12-31</i>	<i>1.04</i>	<i>0.6</i>
<i>Industrial</i>	<i>01-01</i>	<i>12-31</i>	<i>0.7</i>	<i>17.4</i>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
Totals:			<i>0.7</i>	<i>18</i>

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATIONField Examiner's Name *Wayne Balch* Date *9-3-03*

Reviewer _____ Date _____

SEAL