

Application No. R-56540

Permit No. R 6644

**STATE OF OREGON WATER RESOURCES DEPARTMENT**  
**Application for a Permit to Construct a Reservoir**

I, Nick ~~James~~ Kamlade (Morning Mist Dairy)  
(Name of Applicant)

of Rt. 1, Box 387, Jefferson  
(Mailing Address) (City)

State of Oregon, 97352, Phone No. 327-2593  
(Zip Code)

do hereby make application for a permit to construct the a dairy waste reservoir  
and to store the unappropriated waters of the State of Oregon, subject to existing rights.

1. The name of the stream from which the reservoir is to be filled is \_\_\_\_\_  
\_\_\_\_\_ tributary to \_\_\_\_\_

2. If not in channel of a stream, state how it is to be filled. Dairy operations waste  
water

3. The dam will be located in the SE ~~SW~~  $\frac{1}{4}$  of the NE  $\frac{1}{4}$  of Section 36,  
Township 9 South, Range 3 West, W. M.

4. The maximum height will be 11 feet above stream bed or ground surface at the  
centerline. The top width will be 10 feet, slope of upstream face 3:1,  
slope of downstream face 2:1, and height of dam above water line when full  
2.0 feet.

5. The dam will be (check one)  earthfill,  concrete,  flashboard,  other.  
If "other", give description: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

6. Give the location, description, and dimensions of the outlet conduit: the off-channel  
reservoir can be emptied by pumping. A drainline conduit will not  
(All dams across natural stream channels must be provided with an outlet conduit, of such capacity and location to pass the normal flow of the stream at any time)  
be installed.

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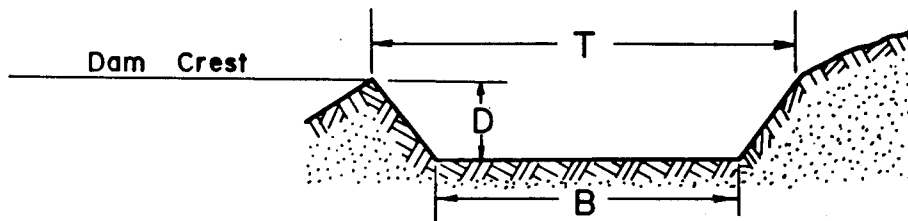
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7. The impounded water will be used for...irrigation.....

8. The amount of water to be stored is.....27.9..... acre feet.

9. The area submerged by the reservoir, when full, will be.....2.9..... acres,  
and the maximum depth of water will be .....12.5..... feet.

10. Give the location and dimensions of the spillway over...the...dam...(near...SE...corner...of...  
(State whether over or around dam) reservoir)



The bottom width of the spillway, B, will be .....10..... feet.

The top width of the spillway, T, will be .....18..... feet.

The distance between the crest of the dam and the crest of the spillway, D, will be .....2.0..... feet.  
(Must be at least 2½ feet)

If any other type of spillway describe and give dimensions:

.....There is no design flow through the excavated spillway.....The.....  
.....reservoir will be filled by pumping.....Should overflow occur, water  
.....will be returned to the pump sump.....

11. Construction work will begin on or before.....October 1, 1977.....

12. Construction work will be completed and the reservoir filled by...June 1978.....

Remarks: The proposed reservoir will store liquid animal waste and  
wash water from the Morning Mist Dairy operation. Solids will be separated  
from the liquid fraction by a vertical screen and disposed of separately.  
Design capacity is based on a maximum future capacity of 600 cows  
milking by 1983. Design storage time is one year (including precipitation)  
since inflow is less than evaporation during summer months.

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x *Alvin Kumbach*  
Signature of Applicant

*This is to certify that I have examined the foregoing application, together with the accompanying maps and data, and return the same for.....*

*In order to retain its priority, this application must be returned to the Water Resources Director with corrections on or before....., 19.....*

WITNESS my hand this ..... day of ....., 19.....

..... Water Resources Director

By .....

**RECEIVED**  
SEP 1 1977  
WATER RESOURCES DEPT.  
SALEM, OREGON

*This instrument was first received in the office of the Water Resources Director at Salem, Oregon, on the*  
*1st* day of *September*, 19*77*, at *12:00* clock *P*.M.  
Application No. *R-156540* Permit No. *R 6644*

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**Permit to Construct a Reservoir  
and Store for Beneficial Use the Public Waters  
of the State of Oregon**

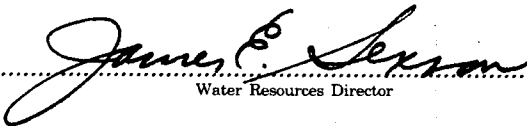
*This is to certify that I have examined the foregoing application and do hereby grant the same subject to the following limitations and conditions. The right herein granted is limited to the construction of .....<sup>a</sup>..... reservoir and storage of water from dairy waste water to be appropriated under application No. 56541, permit No. 41973*

*The right hereunder shall be limited to the storage of ..... 27.9 ..... acre feet.*

*The priority date of this permit is ..... September 1, 1977 .....*

*Actual construction work shall begin on or before ..... October 12, 1978 ..... and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 19... 79 .....*

*WITNESS my hand this ..... 12th ..... day of ..... October ..... , 19. 77 .....*

  
Water Resources Director