

AMENDED

No. 48608

APPLICATION FOR PERMIT

TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

Date of filing in State Engineer's Office... NOV 30 1984
Returned to applicant for correction... JAN 03 1985
Corrected application filed... FEB 13 1985
Map filed... FEB 13 1985

The applicant McGill-Ruth Consolidated Sewer & Water General Improvement District
P.O. Box 1376, of McGill, Nevada
89318, hereby make application for permission to appropriate the public waters of the State of Nevada, as hereinafter stated.

- 1. The source of the proposed appropriation is... Underground Sources
2. The amount of water applied for is... 1 cfs... second-foot
(a) If stored in reservoir give number of acre-feet
3. The water to be used for... Municipal Purposes
4. If use is for:
(a) Irrigation, state number of acres to be irrigated
(b) Stockwater, state number and kinds of animals to be watered
(c) Other use (describe fully under "No. 12. Remarks"
(d) Power:
(1) Horsepower developed
(2) Point of return of water to stream

5. The water is to be diverted from its source at the following point... in the SW 1/4 NE 1/4 of Section 28,
T. 17 N., R. 62 E., M.D.B. & M., whence the Southeast Corner of Section 34,
T. 17 N., R. 62 E., M.D.B. & M. bears S. 39° 08' E., 10,925.00 feet distant.
6. Place of use... SW 1/4 NE 1/4, S 1/2 NW 1/4, N 1/2 SW 1/4, SW 1/4 SW 1/4 of Section 3; SE 1/4 NE 1/4, SE 1/4 of Section 4, all in T. 16 N., R. 62 E., M.D.B. & M.

- 7. Use will begin about... January 1st and end about... December 31st of each year.
8. Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and specifications of your diversion or storage works.)... The water will be pumped through a pipeline to a 700,000 gallon storage tank then piped throughout the proposed place of use.
9. Estimated cost of works... \$1,229,000.00

10. Estimated time required to construct works 5 years
If well completed, describe works.

11. Estimated time required to complete the application of water to beneficial use 10 years

12. Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use.

The applicant proposes to use this application to supply municipal water to New Ruth at the rate of 376,000 gallons per day, 365 days per year, for a total annual consumption of 137.24 million gallons. See attached Exhibits A & B for the system requirements.

By s/ Richard W. Forman
Richard W. Forman, Agent
P.O. Box 150
Ely, Nevada 89301

Compared jm/se js/bc

Protested _____

APPROVAL OF STATE ENGINEER

This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions:

This permit is issued subject to existing rights. It is understood that the amount of water herein granted is only a temporary allowance and that the final water right obtained under this permit will be dependent upon the amount of water actually placed to beneficial use. It is also understood that this right must allow for a reasonable lowering of the static water level. This well shall be equipped with a two (2) inch opening for measuring depth to water. If the well is flowing, a valve must be installed and maintained to prevent waste. A totalizing meter must be installed and maintained in the discharge pipeline near the point of diversion and accurate measurements must be kept of water placed to beneficial use. The totalizing meter must be installed before any use of water begins, or before the Proof of Completion of Work is filed. This source is located within an area designated by the State Engineer, pursuant to NRS 534.030. The State retains the right to regulate the use of the water herein granted at any and all times.

This Permit does not extend the permittee the right of ingress and egress on public, private or corporate lands.

This permit is issued under the provisions of NRS 534.120(2) as a preferred use.

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and not to exceed 1.0 cubic feet per second, but not to exceed 85.78 million gallons annually.

Work must be prosecuted with reasonable diligence and be completed on or before October 17, 1987

Proof of completion of work shall be filed on or before November 17, 1987

Application of water to beneficial use shall be made on or before October 17, 1990

Proof of the application of water to beneficial use shall be filed on or before November 17, 1990

Map in support of proof of beneficial use shall be filed on or before _____

Completion of work filed _____ IN TESTIMONY WHEREOF, I, PETER G. MORROS
State Engineer of Nevada, have hereunto set my hand and the seal of

Proof of beneficial use filed _____ my office, this 17th day of October,

Cultural map filed _____ A.D. 19 85

Certificate No. _____ Issued _____

[Signature]
State Engineer

EXHIBIT A

SECTION V

PROPOSED WATER SYSTEM FOR RUTH

DESIGN CRITERIA

- | | |
|--|---|
| 1. Population | 752 (235 service hook-ups)
@ 3.2 people per hookup |
| 2. Water Consumption | |
| a. Average day | 200 gpcd
150,400 gallons per day
104 gpm |
| b. Maximum day | 2.5 times the average day
500 gpcd
376,000 gallons per day
261 gpm |
| 3. Distribution Storage | |
| | Distribution storage is equal to the sum of two components: |
| a. Peaking storage | 2.5 times the average day's demand = 376,000 gallons |
| b. Fire reserve | Flow of 1,350 gpm for a duration of 4 hours = 324,000 gallons |
| The total distribution storage requirement for Ruth is approximately 700,000 gallons | |
| 4. Water Quality | |
| | Water quality should meet the standards set forth by the U.S. Public Health Service and the State of Nevada, Department of Health |

Note: Design Criteria meet the standards set forth by the State of Nevada, Department of Health.



EXHIBIT B

TABLE 9

MASS DIAGRAM ANALYSIS FOR MAXIMUM DAY
 (DEMAND: 376,000 Gallons on Maximum Day)

Hour	Percent of Total Flow	Flow (gallons) during the hour	Cumulative Flow (gallons)
12:00 p.m.	0.62	2,330	2,330
1:00 a.m.	N.S.*	N.S.*	2,330
2:00 a.m.	N.S.	N.S.	2,330
3:00 a.m.	N.S.	N.S.	2,330
4:00 a.m.	N.S.	N.S.	2,330
5:00 a.m.	0.62	2,330	4,660
6:00 a.m.	N.S.	N.S.	4,660
7:00 a.m.	1.86	6,990	11,650
8:00 a.m.	2.42	9,100	20,750
9:00 a.m.	3.57	13,425	34,175
10:00 a.m.	4.05	15,230	49,405
11:00 a.m.	4.65	17,485	66,890
12:00 a.m.	3.72	13,990	80,880
1:00 p.m.	4.65	17,485	98,365
2:00 p.m.	4.34	16,320	114,685
3:00 p.m.	4.65	17,485	132,170
4:00 p.m.	6.20	23,315	155,485
5:00 p.m.	7.75	29,140	184,625
6:00 p.m.	11.80	44,370	228,995
7:00 p.m.	13.65	51,325	280,320
8:00 p.m.	11.80	44,370	324,690
9:00 p.m.	6.82	25,645	350,335
10:00 p.m.	5.11	19,215	369,550
11:00 p.m.	2.42	9,100	376,000**

*N.S.: Not Significant

**Difference due to rounding of figures

