

APPLICATION FOR PERMIT
TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

Date of filing in State Engineer's Office..... JAN 5 1988

Returned to applicant for correction..... FEB 4 1988

Corrected application filed..... MAR 31 1988

Map filed..... MAR 31 1988 under 51729

The applicant..... Leighton and Associates, Inc.

1151 Duryea Avenue..... of Irvine
Street and No. or P.O. Box No. City or Town

California 92714....., hereby make... application for permission to appropriate the public
State and Zip Code No.

waters of the State of Nevada, as hereinafter stated. (If applicant is a corporation, give date and place of incorporation; if a copartnership or association, give names of members.) 8/9/74 - California ID # 95-2899975

1. The source of the proposed appropriation is Underground/semi-perched water zone at the
Name of stream, lake, spring, underground or other source
approximate depth of 20 feet below grade

2. The amount of water applied for is 2 gallons/minute (.0045 second feet)/well second-feet
One second-foot equals 448.83 gals. per min.
(a) If stored in reservoir give number of acre-feet not applicable

3. The water to be used for temporary dewatering for remedial contamination clean up
Irrigation, power, mining, manufacturing, domestic, or other use. Must limit to one use.

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")..... See No. 12

(d) Power:

(1) Horsepower developed..... not applicable

(2) Point of return of water to stream..... not applicable

5. The water is to be diverted from its source at the following point Situate within the NW¼ SW¼ of
Describe as being within a 40-acre subdivision of public
Section 27, Township 21 South, Range 61 East,
M.D.M., Clark County, Nevada from which the center ¼ corner of Section
survey, and by course and distance to a section corner. If on unsurveyed land, it should be so stated.

28, Township 21 South, Range 61 East, M.D.M., bears North 72°00'08"
West, 4043.82 feet.

6. Place of use NW¼ NW¼, SW¼ NW¼, NW¼ SW¼, SW¼ SW¼, a portion of the NE¼ NW¼,
Describe by legal subdivision. If on unsurveyed land, it should be so stated.

a portion of the SE¼ NW¼, a portion of the NE¼ SW¼, and a portion

of the SE¼ SW¼ of Section 27, Township 21 South, Range 61 East, M.D.M.,

Clark County, Nevada.

7. Use will begin about January 1 and end about December 31, of each year.
Month and Day Month and Day

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.) See attached schematic drawing
State manner in which water is to be diverted, i.e. diversion structure, ditches and flumes, drilled well with pump and motor, etc.

9. Estimated cost of works Four (4) extraction wells - \$2,500.00; Air Stripper - \$7,500.00; Electrical - \$10,000.00; Monitoring Well Nos. MW-114, S-3, & U-5, MW-117.

10. Estimated time required to construct works..... Approximately ninety (90) days.
If well completed, describe works.

11. Estimated time required to complete the application of water to beneficial use... not applicable

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

.....See attached page.....

.....Estimated pumping rate = 3.23 ac-ft/yr./well.....

s/Thomas E. Mills
By LEIGHTON AND ASSOCIATES, INC.
1151 Duryea Avenue
Irvine, California 92714

Compared sb/jm pm/se

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 on the source. It is understood that the amount of water herein granted is only a temporary allowance for pollution control as mandated by Order dated August 21, 1985 and Final Consent Agreement dated June 29, 1987 from the Nevada Division of Environmental Protection, and the right will cease to exist when the Order and Final Consent Agreement are fully complied with. A totalizing meter must be installed to the inlet of the treatment plant and a measuring device placed on the outlet of the treatment plant and records of these measurements shall be submitted on an annual basis. It is also understood that this right must allow for a reasonable lowering of the static water level at permittee's well due to other ground-water development in the area. The well shall be equipped with a 2-inch opening for measuring depth to water. If the well is flowing, a valve must be installed and maintained to prevent waste. The State retains the right to regulate the use of water granted herein at any and all times.

This permit is issued as a non-consumptive use.

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

The issuance of this permit does not waive the requirements that the permit holder obtain other permits from State, Federal and local agencies. The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and not to

exceed..... 0.0045 cubic feet per second.....

Work must be prosecuted with reasonable diligence and be completed on or before..... September 23, 1989

Proof of completion of work shall be filed on or before..... October 23, 1989

Application of water to beneficial use shall be made on or before..... September 23, 1993

Proof of the application of water to beneficial use shall be filed on or before..... October 23, 1993

Map in support of proof of beneficial use shall be filed on or before..... N/A

Completion of work filed JAN 22 1990 IN TESTIMONY WHEREOF, I..... PETER G. MORROS

Proof of beneficial use filed..... State Engineer of Nevada, have hereunto set my hand and the seal of my

Cultural map filed..... office, this 23rd day of September,

Certificate No..... Issued..... A.D. 19..... 88

[Signature of Peter G. Morros]
State Engineer

(0)-5314 (Rev.)
agent
NOV 22 1993
[Signature]
STATE ENGINEER

#12)

A phased approach to initial startup of the system is as follows:

Phase I

During the first month of recovery, from approximately January 11, 1988 to February 11, 1988, ground water and product will be pumped from each of the three extraction wells, MW-114, S-3, and U-5. During this period water sampling and pump testing will be performed. This information will assist in developing the proper ground water treatment system and in determining optimum pump rates to develop the proper size of the cone of depression to capture the available Jet Fuel A floating on the water surface. The water will be temporarily stored in above-ground storage tanks until a permanent disposal means is implemented in Phase II.

Phase II

In Phase II of the recovery program, only product will be pumped for a three-month period, (i.e., from approximately February 11, 1988 to May 11, 1988). During this period a water treatment system will be designed, reviewed, and approved by the Nevada Division of Environmental Protection, and then installed. The treatment system to be designed should reduce the dissolved organic content to levels which will allow the discharge of the treated ground water to the local storm drain system.

Phase III

Following the 3-month Phase II period in which product only will be pumped, the recovery system will be converted to pump both ground water and product. All information obtained during the Phase I investigation will be applied to this phase so as to obtain maximum extraction efficiency.

Total project duration is currently estimated at five years.

The effectiveness of the recovery system and treatment system will be monitored as required by the State of Nevada Department of Environmental Protection and other applicable state agencies.

