

ADDENDUM**ENVIRONMENTAL****APPLICATION FOR PERMIT TO APPROPRIATE THE PUBLIC
WATERS OF THE STATE OF NEVADA**Date of filing in State Engineer's Office MAR 18 2002Returned to applicant for correction MAR 29 2002Corrected application filed APR 02 2002Map filed APR 02 2002

The applicant **American Pacific Corporation** 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 source, in Las Vegas Valley Basin #212, Clark County, Nevada, at depth 160 to 180 feet beneath ground surface.**
2. The amount of water applied for is **0.02** second-feet
 - (a) If stored in reservoir give number of acre-feet **0 (non consumptive use)**
3. The water to be used for **other use (bioremediation pilot test) – see attached NDEP letter**
4. If use is for:
 - (a) Irrigation, state number of acres to be irrigated **0**
 - (b) Stockwater, state number and kinds of animals to be watered **0**
 - (c) Other use (describe fully under No. 12. "Remarks") **Bioremediation pilot test**
 - (d) Power:
 - (1) Horsepower developed **0**
 - (2) Point of return of water to stream **Water will be returned to ground at same depth removed from, through injection well on same property.**
5. The water is to be diverted from its source at the following point **Within the NE¼ of NE¼ of Section 15, T22S, R62E, M.D.M., Clark County, Nevada, a distance of 182.45' N47° 46' 37" to the NE corner of Section 15, T22S, R62E, M.D.M., Clark County, Nevada (also shown on attached water rights mp).**
6. Place of Use **Within the NE¼ of NE¼ of Section 15, T22S, R62E, M.D.M., Clark County, Nevada.**
7. Use will begin about **April 8** and end about **September 1** of each year.
8. Description of proposed works **Water to be diverted by drilled well with pump and motor.**
9. Estimated cost of works **Approximately \$50,000 for materials and an additional \$150,000 professional time and lab analyses.**
10. Estimated time required to construct works **1 week – see attachment "Item 10 Response" for works description.**
11. Estimated time required to complete the application of water to beneficial use **This is a pilot test only for evaluation. No time can reasonably be estimated.**

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12. Remarks: Water use will be for pilot test to evaluate a proposed bioremediation process for perchlorate impacted groundwater. System will be "closed loop" that will have 0 consumptive use, as all diverted waters will be reinjected.

s/Jeff Gibson
By Jeff Gibson
3770 Howard Hughes Pky #300
Las Vegas, NV 89109

Compared my/sam dl/cmf

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 environmental 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 orders issued by the Nevada Division of Environmental Protection and subsequent correspondence with said agency. The right will cease to exist upon termination of clean up activity as determined by the Nevada Division of Environmental Protection. A totalizing meter must be installed and maintained in the discharge pipeline near the point of diversion and records of this measurement 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 of 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 environmental permit is issued pursuant to the provisions of NRS 533.4375. Well drillers reports for any well(s) drilled under this permit shall be filed within 30 days from the completion of the well.

Within 30 days after the completion of the project, the permittee shall notify the State Engineer of such completion and all wells shall be plugged and abandoned in accordance with Chapter 534 of the Nevada Administrative Code.

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

The issuance of this environmental permit does not waive the requirements that the permit holder obtain other permits from State, Federal and local agencies.

Monthly records shall be kept of the amount of water pumped from this well and the records submitted to the State Engineer on a quarterly basis within 15 days after the end of each calendar quarter.

(CONTINUED ON PAGE 3)

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and not to exceed 0.02 cubic feet per second but not to exceed 14.48 acre-feet per year.

Work must be prosecuted with reasonable diligence and be completed on or before:

Proof of completion of work shall be filed before:

Water must be placed to beneficial use on or before:

Proof of the application of water to beneficial use shall be filed on or before:

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

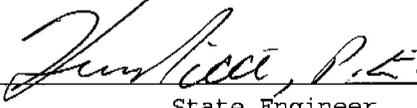
ENVIRONMENTAL

* The right will cease to exist upon termination of clean up activity as determined by the Nevada Division of Environmental Protection.

IN TESTIMONY WHEREOF, I, HUGH RICCI, P.E.,

State Engineer of Nevada, have hereunto set
my hand and the seal of my office,

this 13th day of May, A.D. 2002



State Engineer

Completion of work filed _____

Proof of beneficial use filed _____

Cultural map filed _____

Certificate No. _____ Issued _____