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Kennedy/Jenks/Chilton

Consulting Engineers
3336 Bradshaw Road, Suite 140
Sacramento, California 95827
916-362-3251
FAX 916-362-9915

18 September 1990

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Mr. Thomas Gallagher, P.E.
Nevada Division of Water Resources
Capitol Complex
201 S. Fall Street
Carson City, NV 89710

Subject: Abandonment of Piezometers P-4 and P-7 and Monitoring Well MW-1
Harrah's Lake Tahoe Resort Casino
Stateline, Nevada
K/J/C 872521.00

Dear Mr. Gallagher:

This letter is to inform you that on 27 August 1990, two piezometers (P-4 and P-7) and one monitoring well (MW-1) located at Harrah's Lake Tahoe Resort Casino (Harrah's), NW1/4 Section 27, T.13N, R.18E, M.D.B. & M were abandoned. The piezomeeters and monitoring well were installed as per your authorization letters dated 3 April 1989 (Waiver MO-140) and 19 April 1990 (Waiver MO-245), respectively. The attached figure shows the locations of the piezometers and monitoring well.

The piezometers and monitoring well were installed in April 1989 and March 1990, respectively, as part of Harrah's underground storage tank compliance program. The Nevada Division of Environmental Protection (NDEP), in their 7 June 1990 letter, determined that groundwater had not been impacted by leakage from underground storage tanks, and further monitoring was not required. As a result, it was decided to abandon the piezometers and monitoring well.

The piezometers and monitoring well were plugged by a State of Nevada licensed driller in accordance with State of Nevada Regulations for Water Well and Related Drilling, dated January 1990. Because the driller was not able to remove the piezometer casings, the casings were left in place and the abandonments were accomplished by pressure grouting using neat cement. Monitoring well MW-1 was over drilled to remove the casing using 8-inch hollow-stem augers. The resulting boring was grouted from the well bottom to the surface using neat cement.

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If you have any questions regarding the abandonment of these piezometers and monitoring well, please do not hesitate to call me.

Very truly yours,

KENNEDY/JENKS/CHILTON

Martha S. Knowlton

Martha S. Knowlton
Project Manager

MSK/dcn
WP872521.00: Gallaghe.910

cc: Ms. Janet Beronio, Esq., Harrah's
Ms. Linda Bowman, Esq., Vargas & Bartlett