



MOL.20030401.0041

Department of Energy
Office of Civilian Radioactive Waste Management
Office of Repository Development
P.O. Box 364629
North Las Vegas, NV 89036-8629

QA: N/A

RECEIVED BY BSC CCU

DATE: 01/31/2003

JAN 30 2003

CERTIFIED – 7000 0520 0020 2250 1730

J. H. Larson, Public Health Engineer
Bureau of Health Protection Services
Health Division
State of Nevada
620 Belrose Street, Suite 101
Las Vegas, NV 89107

**YUCCA MOUNTAIN PROJECT (YMP) PUBLIC WATER SYSTEM PERMIT
#NY-0867-12NCNT ANNUAL UPDATE**

Enclosed is the annual update of the YMP public water system for the period January 1 through December 21, 2002.

If you have any questions or require additional information, please contact either me at (702) 794-5459 or Thomas H. Pysto of Bechtel SAIC Company, LLC at (702) 295-5082.

A handwritten signature in black ink, appearing to read "S. Wade".

Scott A. Wade, Team Lead
Environment, Safety, and Health
Office of Facility Operations

OFO:MJC-0602

Enclosure:
2002 Annual Update

JAN 30 2003

bcc w/encl:

CMS Coordinator, BSC, Las Vegas, NV
B. R. Bowlby, MTS, Las Vegas, NV
C. E. Monko, MTS, Las Vegas, NV
S. L. Rives, DOE/ORD (RW-2W), Las Vegas, NV
Records Processing Center = "7"8

JEM
02-27-2003

bcc w/o encl:

K. O. Bull, BSC, Las Vegas, NV
J. H. Hayes, BSC, Mercury, NV, M/S 763
E. W. McCann, BSC, Las Vegas, NV
M. O. Oettinger, BSC, Mercury, NV, M/S 761
K. L. Polich, BSC, Las Vegas, NV
T. H. Pysto, BSC, Las Vegas, NV
S. P. Mellington, DOE/ORD (RW-50W), Las Vegas, NV
C. L. Payne, DOE/ORD (RW-50W), Las Vegas, NV
J. M. Replogle, DOE/ORD (RW-50W), Las Vegas, NV
R. E. Spence, DOE/ORD (RW-50W), Las Vegas, NV
P. D. Stucker, DOE/ORD (RW-50W), Las Vegas, NV
S. A. Wade, DOE/ORD (RW-50W), Las Vegas, NV

**YUCCA MOUNTAIN PROJECT (YMP)
PUBLIC WATER SYSTEM PERMIT NY-0867-12NCNT
2002 ANNUAL UPDATE**

The following is an annual summary of activities and issues pertaining to the YMP public water system and the Nevada Health Division, Bureau of Health Protection Services (BHPS), during 2002.

REPORTS AND DOCUMENTATION

- January Submitted annual update identifying issues and occurrences related to the public water system from January 1 through December 31, 2001.
- February (1) Site visit with BHPS regarding temporary water storage bladder. (2) Submitted two letters on the addition of temporary water storage bladder to the water system. (3) Received letter from BHPS regarding bladder.
- April Submitted letter on emergency provision to haul potable water for use in YMP public water system.
- May Received letter from BHPS denying approval to haul potable water at this time, based on six reasons.
- July Submitted letter responding to the May BHPS letter.
- August (1) Submitted letter on proposed water treatment system for YMP public water system. (2) Received response letter from BHPS on proposed water treatment system. (3) Submitted letter on request for approval of water pump. (4) Received response letter from BHPS on request for water pump and the proposed water treatment system.
- September (1) Submitted letter providing additional information on pump, fittings, and piping specifications for proposed water system modification of public water system. (2) Submitted annual permit fee for public water system. (3) Hand-delivered letter requesting approval of water pump with permit review fee.
- October (1) Submitted letter on water treatment system detail. (2) Received letter from BHPS on proposed water treatment system.
- November Submitted letter stating that the annual fluoride and nitrate sampling requirement cannot be met at this time.
- December Submitted annual backflow prevention device inspection reports.

SAMPLING AND REPORTING

- Daily Performed chlorine residual, pH, and temperature sampling and recording.
- Quarterly Performed required coliform sampling and reporting. To assure and monitor the safety and quality of the water in our public water system, 110 coliform samples were taken from various locations at the Exploratory Studies Facility north portal pad between April 9, 2002 and December 17, 2002. Three of those samples were submitted to BHPS, as required, in the coliform reports for the second, third, and fourth quarters of 2002.

MISCELLANEOUS

- Continuous Throughout the year, numerous phone conversations and meetings took place between YMP and BHPS representatives to ask questions and provide clarification regarding the correspondence sent back and forth (see Reports and Documentation section above).
- Bi-monthly Attendance at the DOE/NV water meetings every two months to track issues and summarize public water system activities on the Nevada Test Site was curtailed from April 9, 2002 through the end of the year.
- As required Performed pressure relief valve checks and backflow prevention device inspections.
- Table 1 Table 1 (attached) provides the amount of water pumped from Well J-13 during 2002. Beginning with the 2001 annual update, the BHPS requested inclusion of this information in annual updates.

TABLE 1
AMOUNT OF WATER PUMPED FROM WELL J-13 DURING 2002
(rounded to the nearest thousand gallons)

Month	J-13*
January	1,214,000 gallons
February	1,875,000 gallons
March	1,030,000 gallons
April	50,000 gallons
May	0 gallons
June	0 gallons
July	0 gallons
August	0 gallons
September	0 gallons
October	0 gallons
November	0 gallons
December	0 gallons
TOTAL	4,169,000 gallons

* J-12 water withdrawal included in J-13 amount

