



Department of Energy
Office of Civilian Radioactive Waste Management
Yucca Mountain Site Characterization Office
P.O. Box 364629
North Las Vegas, NV 89036-8629

QA: N/A

JAN 30 2002

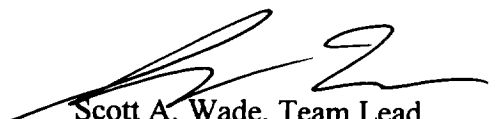
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J. H. Larson, Public Health Engineer
Bureau of Health Protection Services
Health Division
State of Nevada
620 Belrose Street, Suite 101
Las Vegas, NV 89107

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

The annual update of the YMP public water system for 2001 is enclosed. This annual report identifies issues and occurrences relating to the potable water system from January 1 through December 31, 2001.

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.



Scott A. Wade, Team Lead
Environment, Safety, and Health
Office of Project Execution

OPE:MJC-0539

Enclosure:
2001 Annual Update

J. H. Larson

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JAN 30 2002

bcc w/encl:

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K. O. Bull, BSC, Las Vegas, NV

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T. H. Pysto, BSC, Las Vegas, NV

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ORIGINAL SIGNED BY

Scott A. Wade

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2001 Annual Update

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**YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT (YMP)
PUBLIC WATER SYSTEM PERMIT NY-0867-12NCNT
2001 ANNUAL UPDATE**

REPORTS AND DOCUMENTATION

- January Submitted annual update for calendar year 2000 identifying issues and occurrences relating to the public water system from January 1 through December 31, 2000.
- March (1) Submitted first of two lead and copper sampling results. (2) Provided copy of renewed certificate for YMP's Certified Water Operator.
- April Submitted plan for removal of lead source at the Exploratory Studies Facility (ESF) north portal pad Craft Trailer.
- August Annual sanitary survey performed by the State of Nevada, Bureau of Health Protection Services (BHPS). No major issues/concerns were noted.
- September (1) Received letter from BHPS entitled "Infrastructure Security" regarding terrorist attacks and public water system security. Forwarded the letter to YMP's certified water operator. (2) Submitted annual permit renewal fee for the potable water system. (3) Submitted second of two lead and copper sampling results.
- October (1) Submitted engineering drawings of proposed modification to the interior of the Switchgear Building at the ESF north portal pad. (2) Received violation notice from BHPS regarding certification of public water system operators. (3) Received notice from BHPS that the violation letter (see number 2) was sent in error.
- November (1) Submitted follow-up letter on annual lead and copper sampling. (2) Submitted backflow prevention device inspection reports for 2001. (3) Updated the worker notice on elevated fluoride concentrations in the Area 25 water supply. (4) Notified ESF management of annual requirement to post the updated worker notice on elevated fluoride levels at strategic locations (e.g., bulletin boards, kitchen areas). (5) Provided BHPS with the Purchase Requisition Worksheet for the Switchgear Building double check valve assembly with dimensions, features, and specifications description.
- December (1) Notified BHPS of the updated fluoride notice posted at the site. (2) Submitted annual nitrate sampling results.

SAMPLING AND REPORTING

Daily	Performed chlorine residual, pH, and temperature sampling and recording.
Quarterly	Performed required coliform sampling and reporting.
Semi-annual	Performed primary and secondary drinking water standards sampling and recording, as required, for Well J-13.
Annual	Performed required lead and copper sampling and reporting.
November	Performed annual fluoride sampling and reporting.
December	Performed annual nitrate sampling and reporting.

MISCELLANEOUS

Bi-monthly	Attended DOE/NV water meetings and tracked issues, as necessary.
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 2001. The BHPS requested inclusion of this information in this annual update.
Figure 1	Figure 1 (attached) depicts the line of demarcation between the YMP pumps and the NTS pumps in the J-13 pump house. The BHPS requested inclusion of this information in this annual update, as well as the date the YMP impeller was changed (August 2001).

TABLE 1
AMOUNT OF WATER PUMPED FROM WELL J-13 DURING 2001
(rounded to the nearest thousand gallons)

Month	J-13*
January	949,000 gallons
February	382,000 gallons
March	1,113,000 gallons
April	1,253,000 gallons
May	1,378,000 gallons
June	1,404,000 gallons
July	1,073,000 gallons
August	1,581,000 gallons
September	880,000 gallons
October	2,037,000 gallons
November	955,000 gallons
December	568,000 gallons
TOTAL	13,573,000 gallons

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

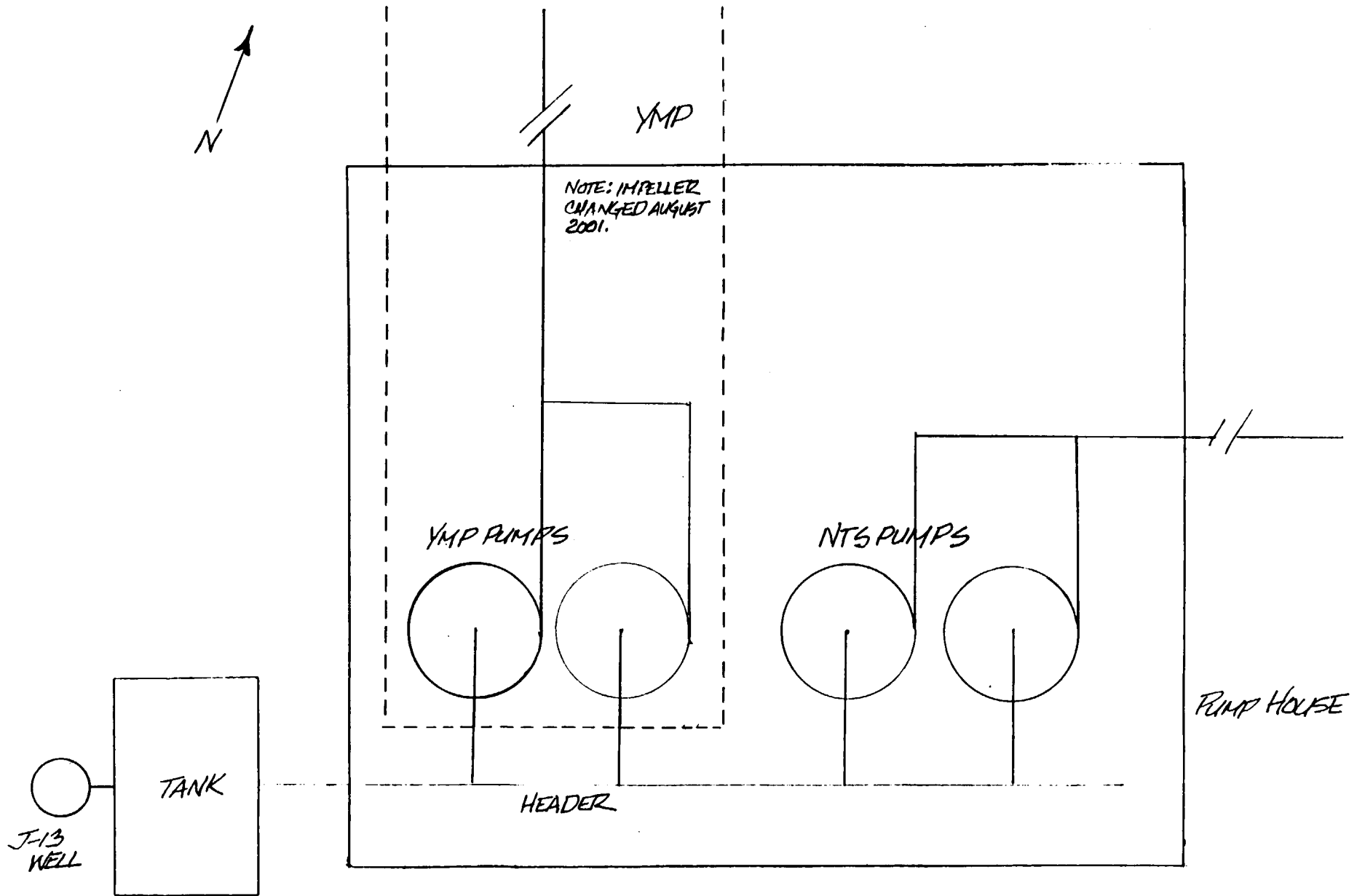


FIGURE 1. J-13 PUMP HOUSE