



Department of Energy

Washington, DC 20585

QA: QA

MAR 20 2002

C. M. Sparks
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Las Vegas, NV 89144

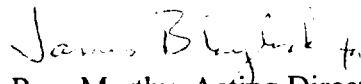
ISSUANCE OF DEFICIENCY REPORT (DR) BSC-02-D-086 RESULTING FROM AN OBSERVATION BY STEVEN S. RICKS

Enclosed is DR BSC-02-D-086 generated as a result of an observation.

Please provide a response to this deficiency that meets the applicable requirements of Administrative Procedure (AP) 16.1Q, *Management of Conditions Adverse to Quality*. Send the original of your response to Deborah G. Opielowski, Navarro Quality Services, P.O. Box 364629, Mail Stop 455, North Las Vegas, Nevada 89036-8629. Initial response to the DR is due ten working days from the date of this letter. Any extensions to this due date must be requested in accordance with AP-16.1Q.

The Responsible Individual for this Condition Adverse to Quality (CAQ) should sign below and return to Ms. Opielowski within five working days.

If you have any questions, please contact either James Blaylock at (702) 794-1420 or John R. Doyle at (702) 794-5021.


Ram Murthy, Acting Director
Office of Quality Assurance

OQA:JB-0821

Enclosure:
DR BSC-02-D-086



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Acknowledgement of Understanding of the CAQ (DR BSC-02-D-086) by the Responsible Individual:

Responsible Individual

Date

cc w/encl:

N. K. Stablein, NRC, Rockville, MD
Robert Latta, NRC, Las Vegas, NV
S. W. Lynch, State of Nevada, Carson City, NV
Engelbrecht von Tiesenhausen, Clark County, Las Vegas, NV
W. W. Distel, BSC, Las Vegas, NV
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D. G. Opielowski, NQS, Las Vegas, NV
J. R. Dyer, DOE/YMSCO, Las Vegas, NV
C. E. Hampton, DOE/YMSCO, Las Vegas, NV
D. G. Horton, DOE/YMSCO, Las Vegas, NV
J. M. Replogle, DOE/YMSCO, Las Vegas, NV
B. M. Terrell, DOE/YMSCO, Las Vegas, NV

1/10/02
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OFFICE OF CIVILIAN
RADIOACTIVE WASTE MANAGEMENT
U.S. DEPARTMENT OF ENERGY
WASHINGTON, D.C.8. ☒ DEFICIENCY REPORT
☐ CORRECTIVE ACTION
REPORT
NO. BSC-02-D-086

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QA: XQA

DEFICIENCY/CORRECTIVE ACTION REPORT

SDR0306/02

1. Controlling Document:

Specification #BAB000000-01717-06300-01501 Rev. 0, NWI-ESF-021Q Rev. 1

2. Related Report No.:

Checklist Issue # 1023, 1026
RFC #02/006.

3. Responsible Organization:

BSC-Site Operations

4. Discussed With:

ED FITZ, JEFF STIENHOFF

BILL DISTEL, JOHN WILLIAMSON, CHUCK GARRETT

5. Requirement:

Spec.01501, paragraph 3.01 S. 3.a requires that diesel engines be tuned and tested for the exhaust emission constituents specified. Those tests will be used to develop standards (for each engine) which include a 25% allowance factor for engine wear. When subsequent tests show the engine exceeds the standard it must be brought back into compliance with that standard prior to being allowed underground.

NWI-ESF-021Q provides detailed information on how to develop the initial standards for diesel equipment used underground, it also provides information on subsequent testing for diesel equipment for the 500 hour test. Additionally, it states, "Do not permit diesel-powered equipment whose emissions exceed the standard described in paragraph 3.3.2c underground until they are brought into compliance by making the necessary adjustments".

AP-17.1Q paragraph 5.2.g requires that individual records be submitted within 60 days of completion.

6. Description of Condition:

Contrary to the requirements referenced above, new standards have been developed for equipment during the 500 hour maintenance instead of comparing emission readings to the standard originally established. Several exceed the initial standard without A/E approval per Spec. 01501 paragraph 3./01.S.3a.

Examples of equipment are listed as follows (not inclusive of all equipment):

Equipment #s A01093 Tamrock Minimatic H205DB (Jumbo Drill), # 765069 Elgood Mayo (Manride), and # 72161 Brookville 151 (Locomotive) have all had new standards developed each time maintenance was performed by BSC instead of their emissions being compared to their original standard as required. The new standards greatly exceed the original standards in some areas.

Note: During the review of these records it was determined that some of the emissions test data entered on the reports is incorrect. It appears that the data entered is engine combustion efficiency in lieu of exhaust particulate as required.

Some records have not been submitted in the 60-day timeframe as required by AP-17.1Q.

Note: There is a test report referenced on the 12/21/98 Jumbo Drill Test Report that has not been located to review. This may have been caused by not submitting the records in the required time frame.

7. Initiator:

Steven S. Ricks

for John S. Ricks - *[Signature]* Date 03/06/02

9. Does a stop work condition exist? (Not required for a DR)

☐ Yes ☒ No

If Yes, Check One:

☐ A ☐ B ☐ C ☐ D

10. Recommended Actions:

NONE.

11. QA Review:

QAR

Date

3/19/02.

12. Response Due Date:

10 working days from issuance

13. DOQA Issuance Approval:

Printed Name

Ram Murthy

Signature

[Signature]

Date

3/19/02

22. Corrective Actions Verified

QAR

Date

23. Closure Approved by:

DOQA

Date