



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

June 22, 1994

Docket Nos. 50-317
and 50-318

Mr. Robert E. Denton
Vice President - Nuclear Energy
Baltimore Gas and Electric Company
Calvert Cliffs Nuclear Power Plant
1650 Calvert Cliffs Parkway
Lusby, Maryland 20657-4702

Dear Mr. Denton:

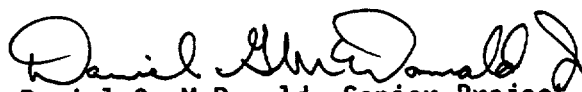
SUBJECT: ISSUANCE OF AMENDMENTS FOR CALVERT CLIFFS NUCLEAR POWER PLANT,
UNIT NO. 1 (TAC NO. M84610) AND UNIT NO. 2 (TAC NO. M84611)

The Commission has issued the enclosed Amendment No.190 to Facility Operating License No. DPR-53 and Amendment No.167 to Facility Operating License No. DPR-69 for the Calvert Cliffs Nuclear Power Plant, Unit Nos. 1 and 2, respectively. The amendments consist of changes to the Technical Specifications in response to your application transmitted by letter dated September 29, 1992, as supplemented by letters dated October 22, 1993, and November 11, 1993.

The amendments revise the Site Boundary Map and the Low Population Zone Map.

A copy of the related Safety Evaluation is enclosed. A Notice of Issuance will be included in the Commission's next regular biweekly Federal Register notice.

Sincerely,


Daniel G. McDonald, Senior Project Manager
Project Directorate I-1
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 190 to DPR-53
2. Amendment No. 167 to DPR-69
3. Safety Evaluation

cc w/enclosures:
See next page

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PDR ADOCK 05000317
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Mr. Robert E. Denton
Baltimore Gas & Electric Company

Calvert Cliffs Nuclear Power Plant
Unit Nos. 1 and 2

cc:

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Resident Inspector
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DATED: June 22, 1994

AMENDMENT NO. 190 TO FACILITY OPERATING LICENSE NO. DPR-53-CALVERT CLIFFS
UNIT 1

AMENDMENT NO. 167 TO FACILITY OPERATING LICENSE NO. DPR-69-CALVERT CLIFFS
UNIT 2

Docket File

NRC & Local PDRs

PDI-1 Reading

S. Varga, 14/E/4

J. Calvo, 14/A/4

M. Boyle

C. Vogan

D. McDonald

OGC

D. Hagan, 3302 MNBB

C. Liang, 8/E/23

G. Hill (4), P1-22

C. Grimes, 11/F/23

ACRS (10)

OPA

OC/LFDCB

PD plant-specific file

C. Cowgill, Region I

cc: Plant Service list

600040



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

BALTIMORE GAS AND ELECTRIC COMPANY

DOCKET NO. 50-317

CALVERT CLIFFS NUCLEAR POWER PLANT UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 190
License No. DPR-53

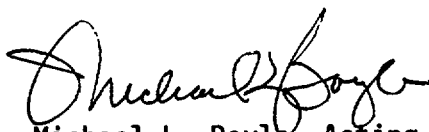
1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Baltimore Gas and Electric Company (the licensee) dated September 29, 1992, as supplemented by letters dated October 22, 1993, and November 11, 1993, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. DPR-53 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 190, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of its issuance and shall be implemented within 30 days.

FOR THE NUCLEAR REGULATORY COMMISSION



Michael L. Boyle, Acting Director
Project Directorate I-1
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Technical
Specifications

Date of Issuance: June 22, 1994



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

BALTIMORE GAS AND ELECTRIC COMPANY

DOCKET NO. 50-318

CALVERT CLIFFS NUCLEAR POWER PLANT, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 167
License No. DPR-69

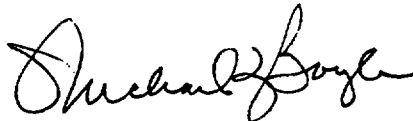
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 - A. The application for amendment by Baltimore Gas and Electric Company (the licensee) dated September 29, 1992, as supplemented by letters dated October 23, 1993, and November 11, 1993, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.2 of Facility Operating License No. DPR-69 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 167, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of its issuance and shall be implemented within 30 days.

FOR THE NUCLEAR REGULATORY COMMISSION



Michael L. Boyle, Acting Director
Project Directorate I-1
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Technical
Specifications

Date of Issuance: June 22, 1994

ATTACHMENT TO LICENSE AMENDMENTS

AMENDMENT NO. 190 FACILITY OPERATING LICENSE NO. DPR-53

AMENDMENT NO. 167 FACILITY OPERATING LICENSE NO. DPR-69

DOCKET NOS. 50-317 AND 50-318

Revise Appendix A as follows:

Remove Pages

5-2 (Figure 5.1-1)
5-3 (Figure 5.1-2)

Insert Pages

5-2 (Figure 5.1-1)
5-3 (Figure 5.1-2)

5.0 DESIGN FEATURES



CALVERT CLIFFS SITE BOUNDARY MAP

5.0 DESIGN FEATURES

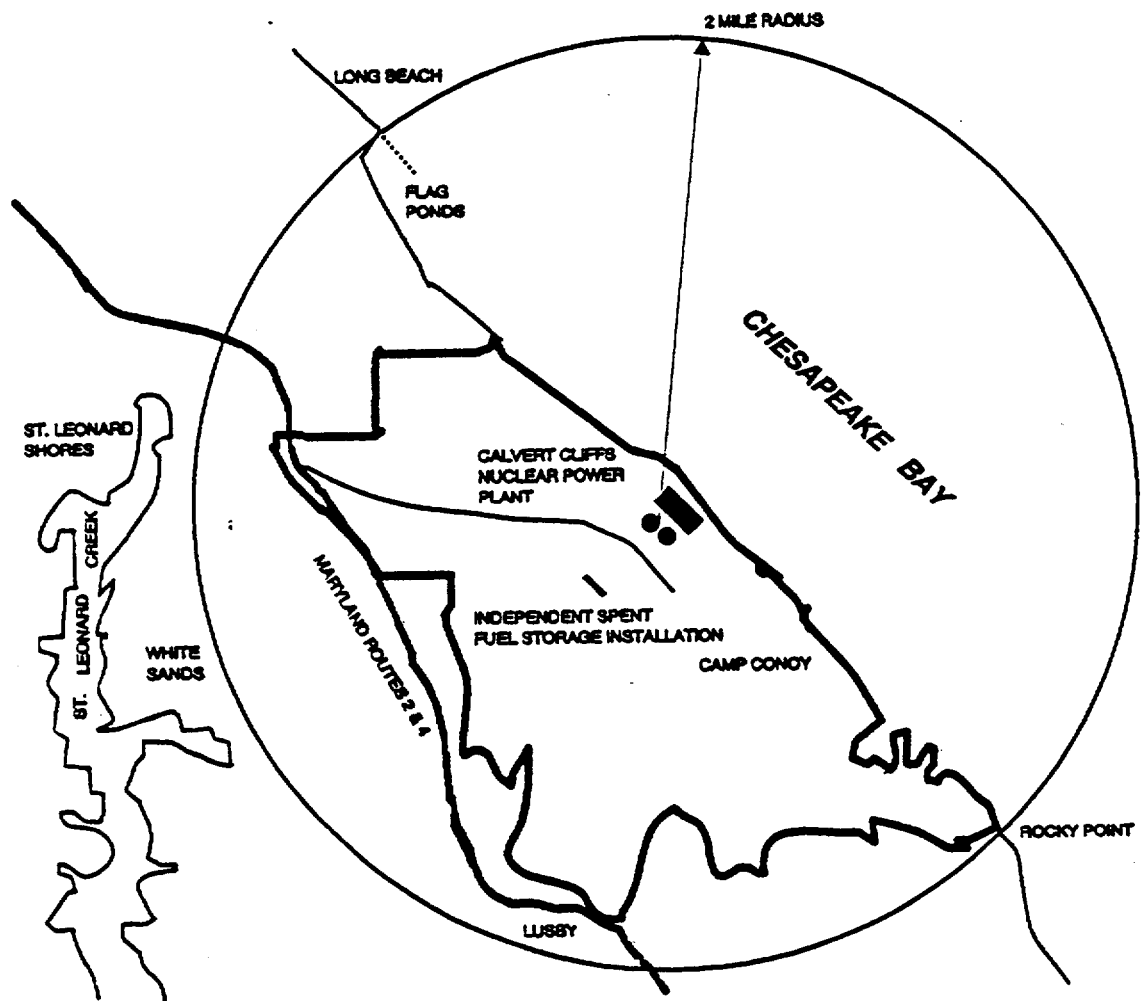


FIGURE 5.1-2
LOW POPULATION ZONE

5.0 DESIGN FEATURES

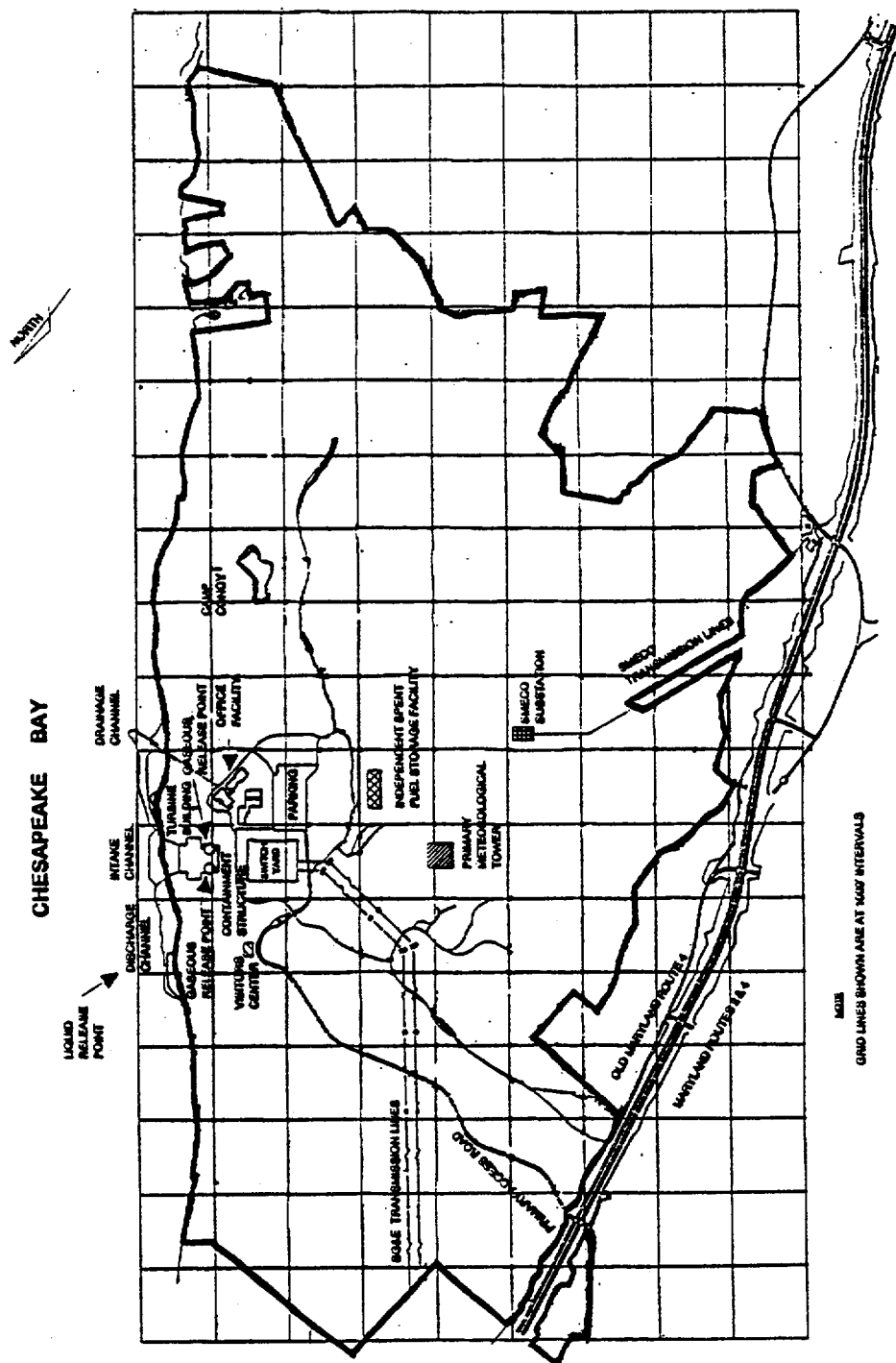


FIGURE 5.1-1

CALVERT CLIFFS SITE BOUNDARY MAP

5.0 DESIGN FEATURES

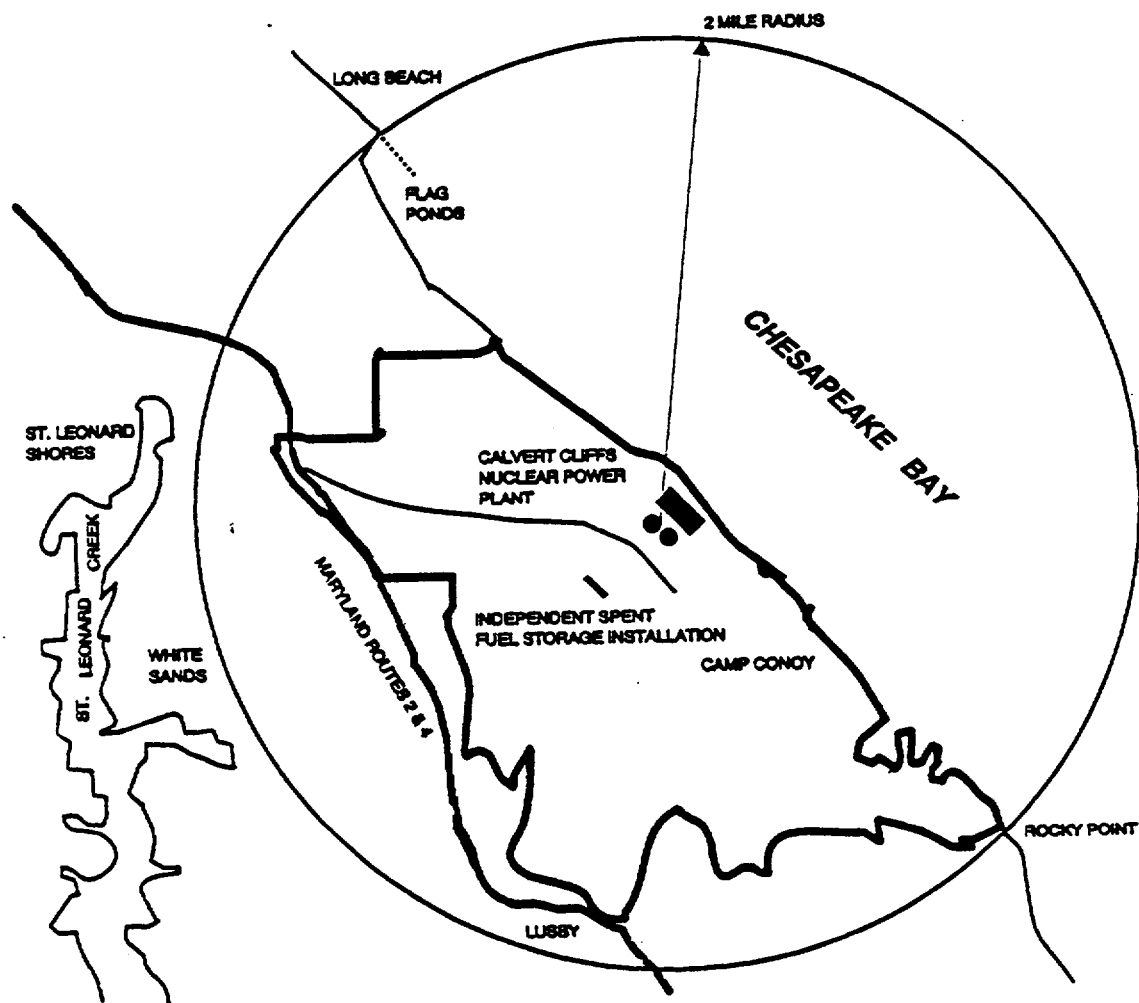


FIGURE 5.1-2

LOW POPULATION ZONE



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 190 TO FACILITY OPERATING LICENSE NO. DPR-53
AND AMENDMENT NO. 167 TO FACILITY OPERATING LICENSE NO. DPR-69
BALTIMORE GAS AND ELECTRIC COMPANY
CALVERT CLIFFS NUCLEAR POWER PLANT, UNIT NOS. 1 AND 2
DOCKET NOS. 50-317 AND 50-318

1.0 INTRODUCTION

By letter dated September 29, 1992, as supplemented by letters dated October 22, 1993, and November 11, 1993, the Baltimore Gas and Electric Company (BG&E) submitted a request for changes to the Calvert Cliffs Nuclear Power Plant, Unit Nos. 1 and 2, Technical Specifications (TSs). The requested changes would Revise TS Figure 5.1-1, Site Boundary Map, and Figure 5.1-2, Low Population Zone Map, to reflect changes in site property lines. The changes are the result of land purchases subsequent to the issuance of the plant operating licenses and the failure of BG&E to update the TSs to reflect the changes. The supplemental letters provided clarifying information that did not change the initial no significant hazards determination.

2.0 EVALUATION

TS Section 1.0, Definitions, states "The Site Boundary shall be that line beyond which the land is neither owned, nor leased, nor otherwise controlled by the licensee." Six parcels of land were purchased by BG&E which increased the size of the plant site. At the time of the purchases, the licensee did not update the Site Boundary Map and the Low Population Zone Map to reflect this land addition. During a recent quality assurance audit of the TS the auditors noticed the discrepancy between the actual site property lines and the site property lines shown on TS Figure 5.1-1, Site Boundary Map, and Figure 5.1-2, Low Population Zone Map. By these requested amendments, the licensee proposes to correct this discrepancy.

The property additions increase the exclusion area which is defined in 10 CFR 100.3 as that area surrounding the reactor in which the reactor licensee has the authority to determine all activities including exclusion or removal of personnel and property from the area. The size of the exclusion area is one of the factors to be considered in the evaluation of a site. Specifically 10 CFR 100.11 indicates that the exclusion area should be of such size that an individual located at any point on its boundary for 2 hours immediately

following onset of the postulated fission product release would not receive a total radiation dose to the whole body in excess of 25 rem or a total radiation dose in excess of 300 rem to the thyroid from iodine exposure. The increase in exclusion area does not increase the radiation dose to an individual located at any point on the exclusion area boundary. Similarly, the increase in exclusion area does not change the offsite dose calculations performed in the Safety Analysis. Finally, the change in security controls which results from this land addition is not substantial enough to warrant further consideration.

The staff has reviewed the amendments and concludes that the changes to TS Figures 5.1-1 and 5.1-2 accurately reflect the site boundary and are, therefore, acceptable.

3.0 STATE CONSULTATION

In accordance with the Commission's regulations, the Maryland State official was notified of the proposed issuance of the amendments. The State official had no comments.

4.0 ENVIRONMENTAL CONSIDERATION

Pursuant to 10 CFR 51.21, 51.32, and 51.35, an environmental assessment (EA) and finding of no significant impact was published in the Federal Register on May 13, 1994 (59 FR 25129). Accordingly, based on the EA, the Commission has determined that the issuance of these amendments will not have a significant effect on the quality of the human environment. The Commission has previously issued a proposed finding that the amendments involve no significant hazards consideration, and there has been no public comment on such finding (57 FR 48813).

5.0 CONCLUSION

The Commission has concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of the amendments will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: D. McDonald

Date: June 22, 1994

June 22, 1994

Docket Nos. 50-317
and 50-318

Mr. Robert E. Denton
Vice President - Nuclear Energy
Baltimore Gas and Electric Company
Calvert Cliffs Nuclear Power Plant
1650 Calvert Cliffs Parkway
Lusby, Maryland 20657-4702

Dear Mr. Denton:

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Sincerely,

Original signed by:

Daniel G. McDonald, Senior Project Manager
Project Directorate I-1
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 190 to DPR-53
2. Amendment No. 167 to DPR-69
3. Safety Evaluation

cc w/enclosures:
See next page

Distribution:
See next page

PDI-1:LA	PDI-1:PM	OGC	PDI-1		
CVogan <i>CV</i>	DMcDonald	<i>[Signature]</i>	MBoyle <i>MB</i>		
6/16/94 <i>6/22</i>	6/16/94	6/16/94	6/22/94		

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