



THE CLEVELAND ELECTRIC ILLUMINATING COMPANY

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MURRAY R. EDELMAN
VICE PRESIDENT
NUCLEAR

July 17, 1984
PY-CEI/NRR-0119L

Mr. B. J. Youngblood, Chief
Licensing Branch No. 1
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Perry Nuclear Power Plant
Docket Nos. 50-440; 50-441
Caseload Forecast Report

Dear Mr. Youngblood:

Your request for a management meeting to review the results of the March 1984 Caseload Forecast Panel visit prompts us to provide you with updated information which is the basis for our Unit 1 end of 1985 completion projection. During your tour of our facility the Panel reviewed historical progress data through January, 1984. At the time of the Panel's visit we projected a Unit 1 completion date that was different than one would have projected based on historical data. Our date, Unit 1 completion before the end of 1985, is based on our construction program philosophy which at the time of your visit was just beginning to produce the expected results.

We believe our program is unique in the industry because of the high level of system completion required before turnover is permitted. This is evidenced by the low number of Master Deficiency List (MDL) items at turnover which averages only 18 per system on systems turned over in the last six months. MDL items include quality, design and construction items requiring completion prior to fuel load but do not prevent the immediate start of system preoperational testing. Our total MDL currently has about 4000 items as compared to 25,000 - 30,000 MDL items on other recent nuclear projects at the time of turnover. Our Project philosophy of a high level of system completion at turnover also includes closing out of Nonconformance Reports (NR's) and the completion of necessary documentation which is accumulated, reviewed and approved by all applicable elements. Attachment #1 shows the overall status of the Project and Units 1 NR's. It is very significant that the NR level continues to decline despite an offsetting NR issuance due to final inspection and documentation completion. A vivid example of individual discipline progress in this regard is with our major mechanical/piping contractor. Their level of open NR's has decreased from 1500 six months ago to about 300 as of July, 1984. This overall level of system completeness at turnover has been recognized and commented on by both INPO and NRC inspection groups.

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Through June 1984 system turnover progress has been excellent and we are very close to our projected program for 1985 Unit 1 completion. Attachment #2 shows system completion and turnover progress through June, 1984. The data shows that our last five months turnover progress significantly exceeds the historical rates the Panel reviewed in March 1984. The data also demonstrates that our current project program is gaining momentum and converging on our 1985 Unit 1 completion schedule. This schedule requires an average turnover ramp of 17 systems per month. During the last five months we have exceeded an average of 20 per month with 28 system turnovers completed in June. We are well past the 70% system completion and turnover point, with virtually all of the ECCS systems already turned over. The suppression pool has been filled and final system flushing is in progress.

Significant preoperational test work was underway in the last half of 1983. Electrical tests were completed for the Residual Heat Removal (RHR), Low Pressure Core Spray (LPCS) and High Pressure Core Spray (HPCS) Systems in July, August and October, 1983 respectively. The suppression pool was filled and rough system flushing along with initial preoperational pump runs for the LPCS, HPCS and RHR were completed in August, September and October, 1983 respectively. All of this test work is being run from the control room as opposed to temporary local control stations since instrumentation and control testing for these systems started in August 1982. Significant progress continues for both preoperational and acceptance testing. Currently 25 percent of the systems have been completed and turned over to Operations, 50 percent are in the testing process, and 25 percent are still under construction.

Our TDI diesel generator requalification program is underway with reports, inspection results and modifications if any, expected to be completed or identified by the end of 1984. We plan to start our engine teardown and inspection program in September 1984. As a contingency measure we have purchased spare parts which may be needed based on other similar V16 engine inspections already conducted. Our current schedule anticipates engine test runs to be conducted in the first quarter of 1985.

Hopefully this update in actual progress over the very critical last six months will give you sufficient additional information relative to your Unit #1 construction completion projections and eliminate the need for a management meeting.

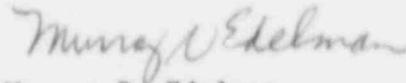
With respect to Unit 2, minimal work is currently being completed. This work consists of completion of Unit 2 systems which are required to support Unit 1 operation, Unit 2 Division 1 and 2 diesel generators, and areas of the common plant facilities which are inside the initial Unit 1 operational security boundary. Our completion date for Unit 2 is undetermined at this time. It

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should be noted the work effort to complete Unit 2 will be much less than that for Unit 1 because of our common facilities. Also, Unit 2 is currently about 44% complete and many lessons learned from Unit 1 would be applied to Unit 2.

If you have any questions on this information, please let us know.

Very truly yours,



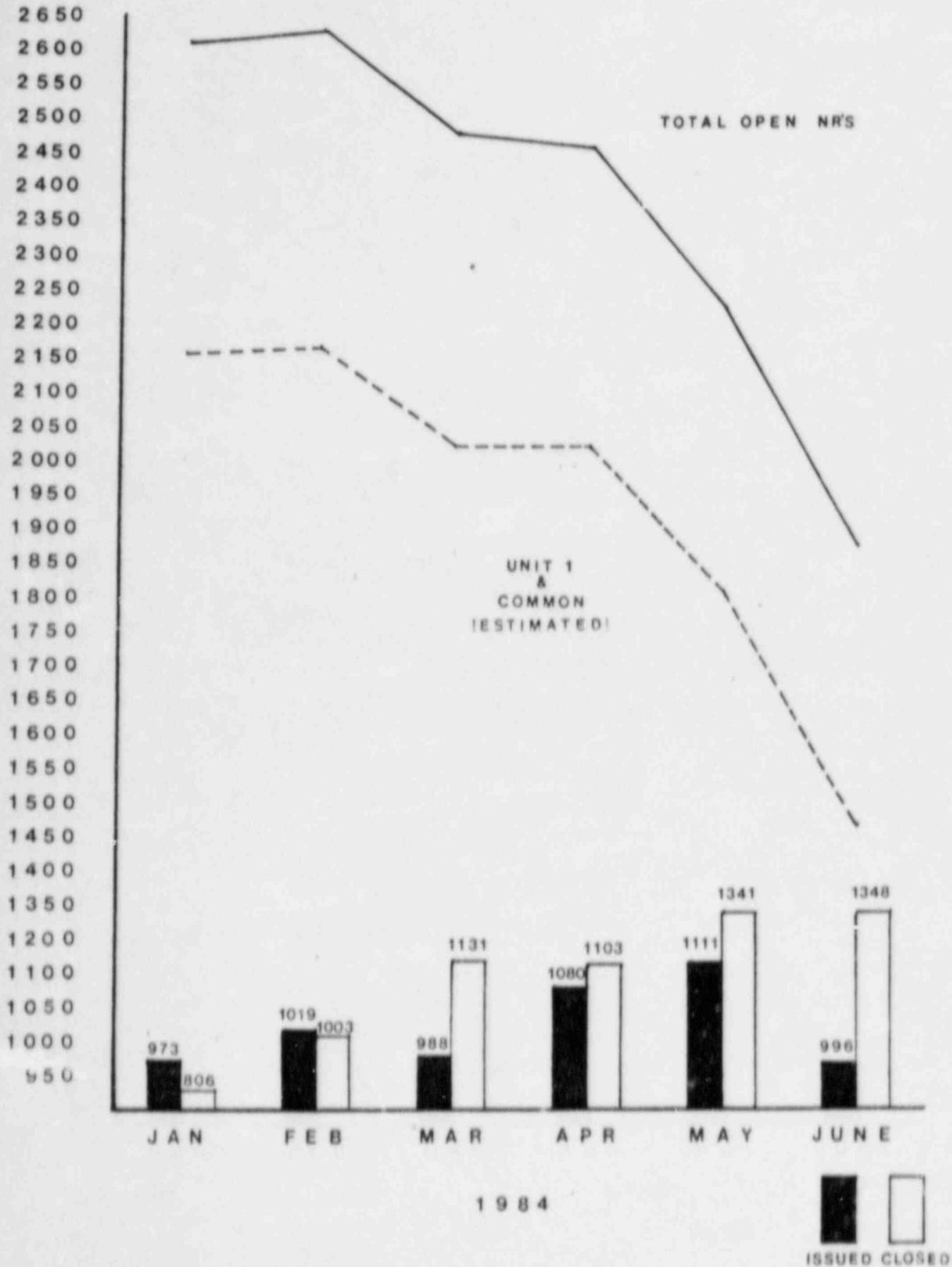
Murray R. Edelman
Vice President
Nuclear Group

MRE:njc

Attachments

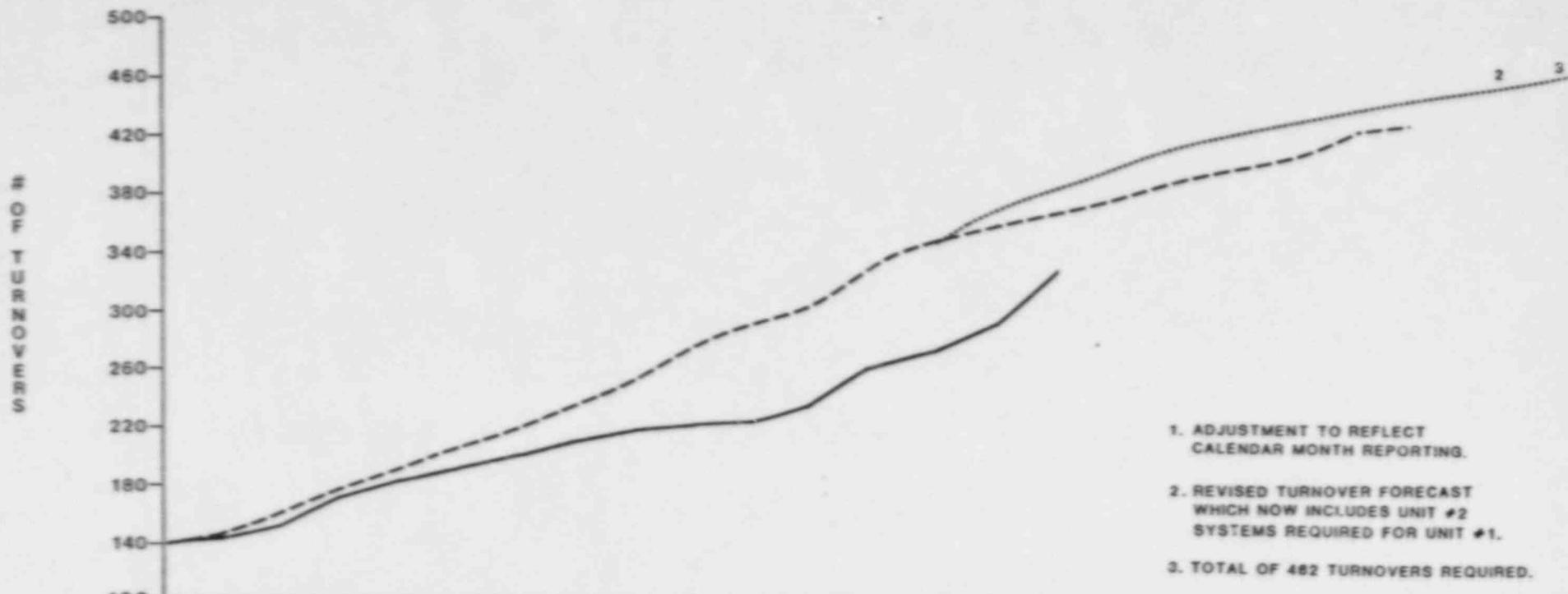
cc: Jay Silberg, Esq.
John Stefano
J. Grobe

OPEN NONCONFORMANCE REPORTS



NUCLEAR TEST SECTION

UNIT 1 & COMMON* TURNOVERS TO NTS



| | | A | M | J | 1983 | | | | | | J | F | M | A | M | 1984 | | | | | | J | F | M | 1985 |
|-------------|-----------|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|---|---|------|
| | | | | | J | A | S | O | N | D | | | | | | J | J | A | S | O | N | D | | | |
| THIS PERIOD | SCHEDULED | 3 | 14 | 18 | 13 | 15 | 12 | 18 | 17 | 26 | 18 | 8 | 27 | 17 | 10 | 5 | 14 | 14 | 4 | 5 | 26 | 5 | | | |
| | ACTUAL | 1 | 9 | 18 | 4 | 14 | 9 | 8 | 6 | 4 | 4 | 14 | 22 | 16 | 21 | 28 | | | | | | | | | |
| TODATE | SCHEDULED | 143 | 157 | 175 | 189 | 204 | 216 | 234 | 251 | 277 | 295 | 303 | 330 | 347 | 357 | 362 | 376 | 390 | 394 | 399 | 425 | 430 | | | |
| | ACTUAL | 141 | 150 | 168 | 180 | 194 | 203 | 211 | 217 | 221 | 225 | 239 | 261 | 277 | 298 | 326 | | | | | | | | | |

* INCLUDES UNIT 2 COMPLETION REQUIREMENTS