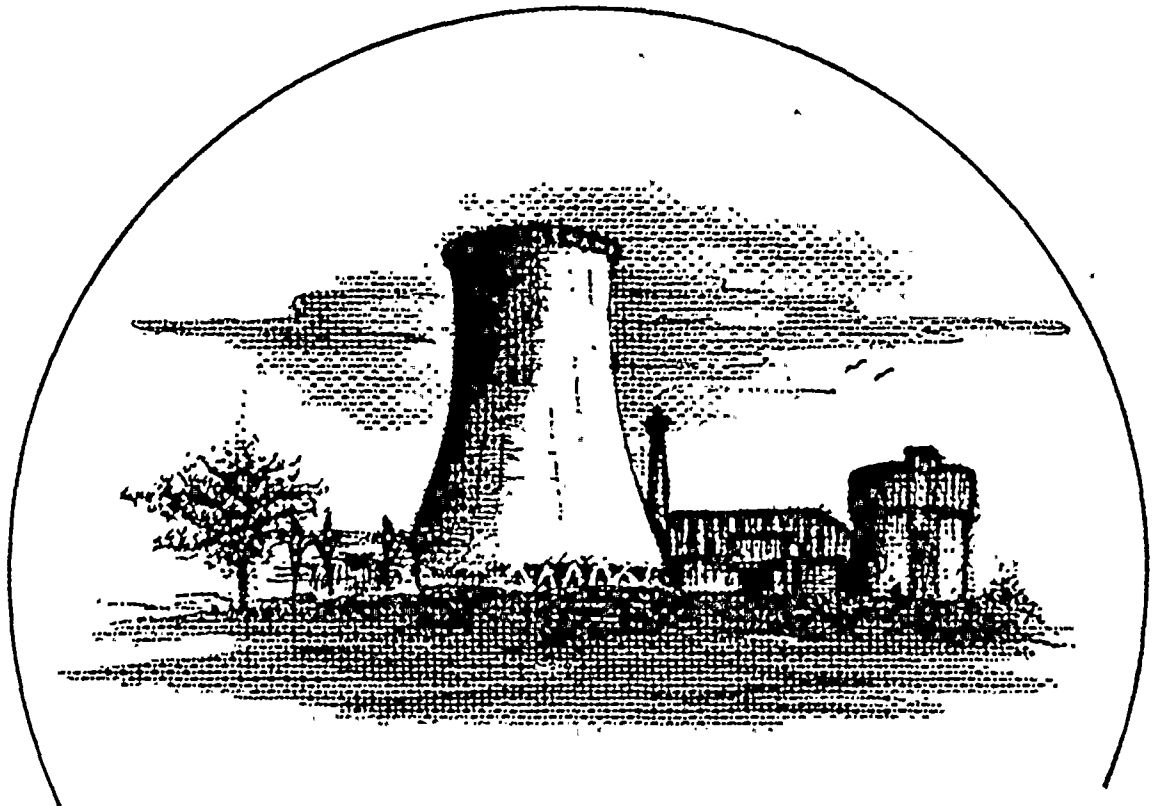


Project Report



Nine Mile Point Unit 2

JAN - 84 -

8411150114 841109
PDR ADCK 05000410
R PDR



13

MPR/840/CO

MONTHLY PROGRESS/STATUS REPORT

TO

NIAGARA MOHAWK POWER CORPORATION

FOR

NINE MILE POINT NUCLEAR STATION - UNIT 2

PREPARED BY

STONE & WEBSTER ENGINEERING CORPORATION
CHERRY HILL, NEW JERSEY

RECEIVED

J. C. NO. 12187

JAN 31 1984

STONE & WEBSTER
ENGR. CORP.
CONTROL LEVEL 3

JANUARY 1984



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I. PROJECT OVERVIEW



PROJECT STATISTICAL OVERVIEW

DECEMBER 1983

| | <u>PLAN</u> % | <u>ACTUAL</u> % | <u>VARIANCE</u> % |
|--|------------------|--------------------|----------------------|
| I. <u>Construction</u> (As of 12/83) | | | |
| To date | 83.98 | 85.25 | 1.27 |
| 1983 Cumulative | 23.89 | 25.16 | 1.27 |
| Increment for Month | 2.05 | 2.42 | 0.37 |
| II. <u>Engineering and Design</u> (As of 12/83) | | | |
| To date | 93.14 | 93.63 | 0.49 |
| 1983 Cumulative | 14.70 | 15.19 | 0.49 |
| Increment | 1.00 | 1.39 | 0.39 |
| III. <u>Project</u> (As of 12/83) | | | |
| To date | 87.09 | 88.10 | 1.01 |
| 1983 Cumulative | 20.80 | 21.81 | 1.01 |
| Increment | 1.70 | 2.07 | 0.37 |
| IV. <u>Cash Flow</u> (As of 12/83) | | | |
| To date | \$1993.5 | \$1983.8 | \$ (9.7) |
| 1983 Cumulative | 542.4 | 532.7 | (9.7) |
| Increment | 50.0 | 52.9 | 2.9 |

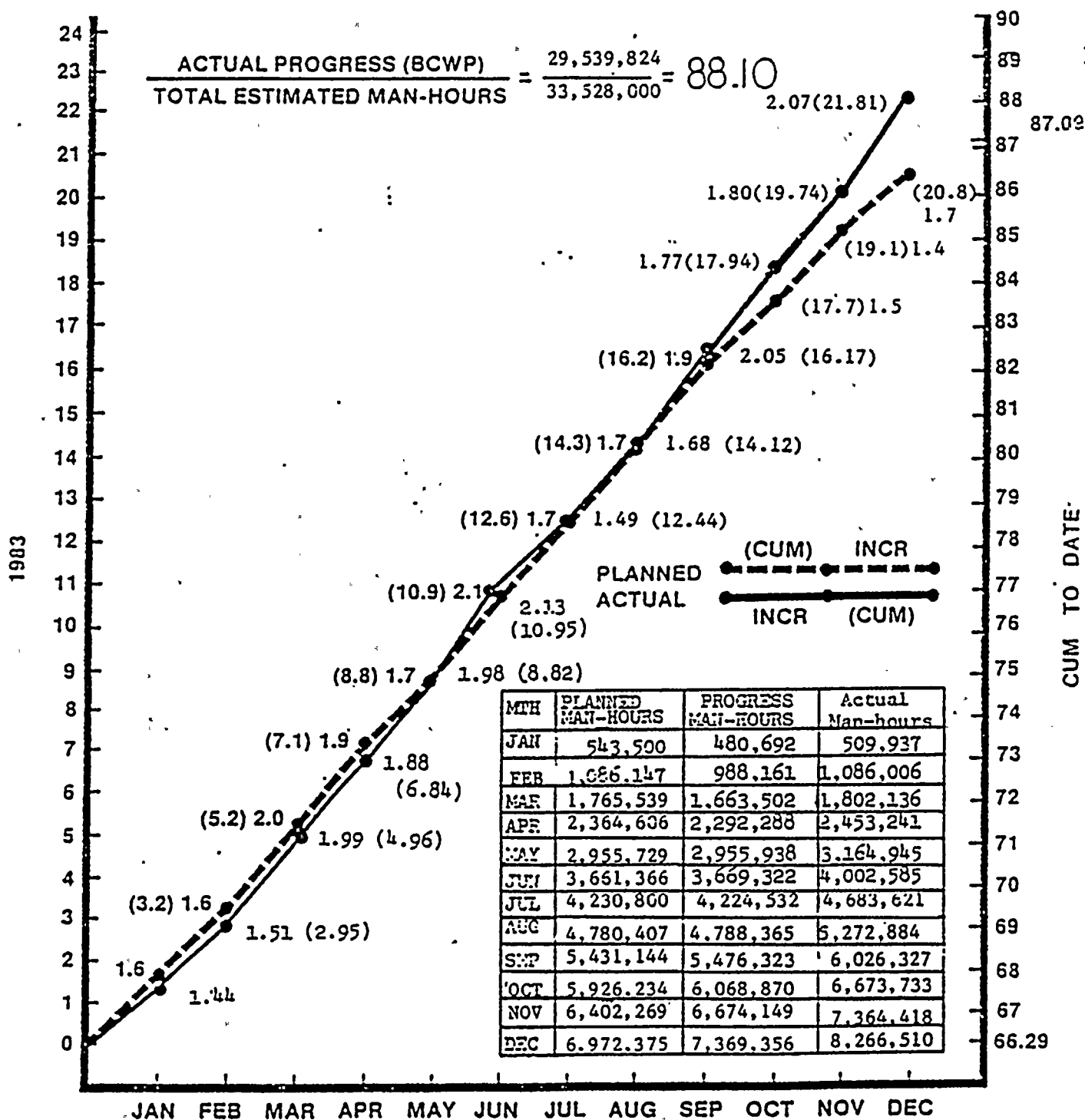
() = Below Plan



NINE MILE POINT NUCLEAR STATION — UNIT 2

1983 TOTAL PROJECT

PERCENT COMPLETE PERFORMANCE





MAN-HOURS

(Below)/Above Planned

| | <u>Engineering and Design</u> | | | <u>Total Headquarters</u> | | | <u>Manual</u> | | | <u>Nonmanual</u> | | |
|-------------|-------------------------------|----------------------|----------|---------------------------|----------------------|----------|---------------|----------------------|----------|------------------|---------|----------|
| | Planned | Actual | Variance | Planned | Actual | Variance | Planned | Actual | Variance | Planned | Actual | Variance |
| 1983 | | | | | | | | | | | | |
| Jan | 155,000 | 157,558 ¹ | 2,558 | 186,393 | 191,306 ¹ | 4,913 | 548,410 | 470,890 | (77,520) | 197,880 | 185,002 | (12,878) |
| Feb | 154,147 | 159,752 ¹ | 5,605 | 185,840 | 193,730 ¹ | 7,890 | 579,630 | 564,249 | (15,381) | 204,296 | 201,705 | (2,591) |
| Mar | 185,892 | 197,423 | 11,531 | 218,139 | 238,360 | 20,221 | 749,441 | 682,507 ² | (66,934) | 259,124 | 254,172 | (4,952) |
| Apr | 157,287 | 172,034 | 14,747 | 189,815 | 207,137 | 17,322 | 641,077 | 622,931 | (18,146) | 211,789 | 211,947 | 158 |
| May | 149,343 | 158,588 ¹ | 9,245 | 181,756 | 192,479 ¹ | 10,723 | 646,635 | 697,621 | 50,986 | 211,793 | 231,595 | 19,802 |
| June | 155,077 | 157,273 ¹ | 2,196 | 187,593 | 195,072 ¹ | 7,479 | 808,232 | 852,103 | 43,871 | 264,429 | 286,417 | 21,988 |
| July | 125,434 | 119,602 ¹ | (5,832) | 156,454 | 149,197 ¹ | (7,257) | 641,630 | 622,385 | (19,245) | 212,346 | 224,445 | 12,099 |
| Aug | 130,027 | 129,355 | (672) | 159,997 | 162,878 | 2,881 | 630,366 | 621,408 | (8,958) | 211,662 | 220,157 | 8,495 |
| Sep | 129,037 | 148,823 | 19,786 | 159,056 | 184,329 ⁴ | 25,193 | 772,878 | 736,610 | (36,268) | 262,456 | 279,915 | 17,459 |
| Oct | 133,383 ³ | 133,842 | 459 | 163,414 ³ | 163,821 ⁴ | 407 | 569,792 | 648,442 | 78,650 | 208,471 | 240,262 | 31,791 |
| Nov | 141,434 ³ | 141,675 | 241 | 169,654 ³ | 170,159 ⁴ | 505 | 550,967 | 698,818 | 147,851 | 207,626 | 250,501 | 42,875 |
| Dec | 192,312 ³ | 201,516 | 9,204 | 225,598 ³ | 234,890 | 9,292 | 674,703 | 889,540 | 214,837 | 258,373 | 333,704 | 75,331 |

Engineering and Design - Includes Division 30, SEO, and Toronto; excludes REO.

Headquarters - Includes Engineering and Design, Project Services, QA/QC (including District PQA) and Toronto.

Nonmanual - Includes FQC and REO man-hours; excludes hard money contracts.

¹Headquarters hours for January, February, May, June, and July did not include total Toronto hours. Adjustments have been made as follows: January - additional 3,524 hours; February - additional 1,377 hours; May - additional 590 hours; June - additional 650 hours; and July - additional 565 hours. The variances for the 5 months have been adjusted accordingly.

²Construction manual man-hours for March included hours charged on fixed fee contracts and have been reduced by 16,478 hours. The variance has been adjusted accordingly.

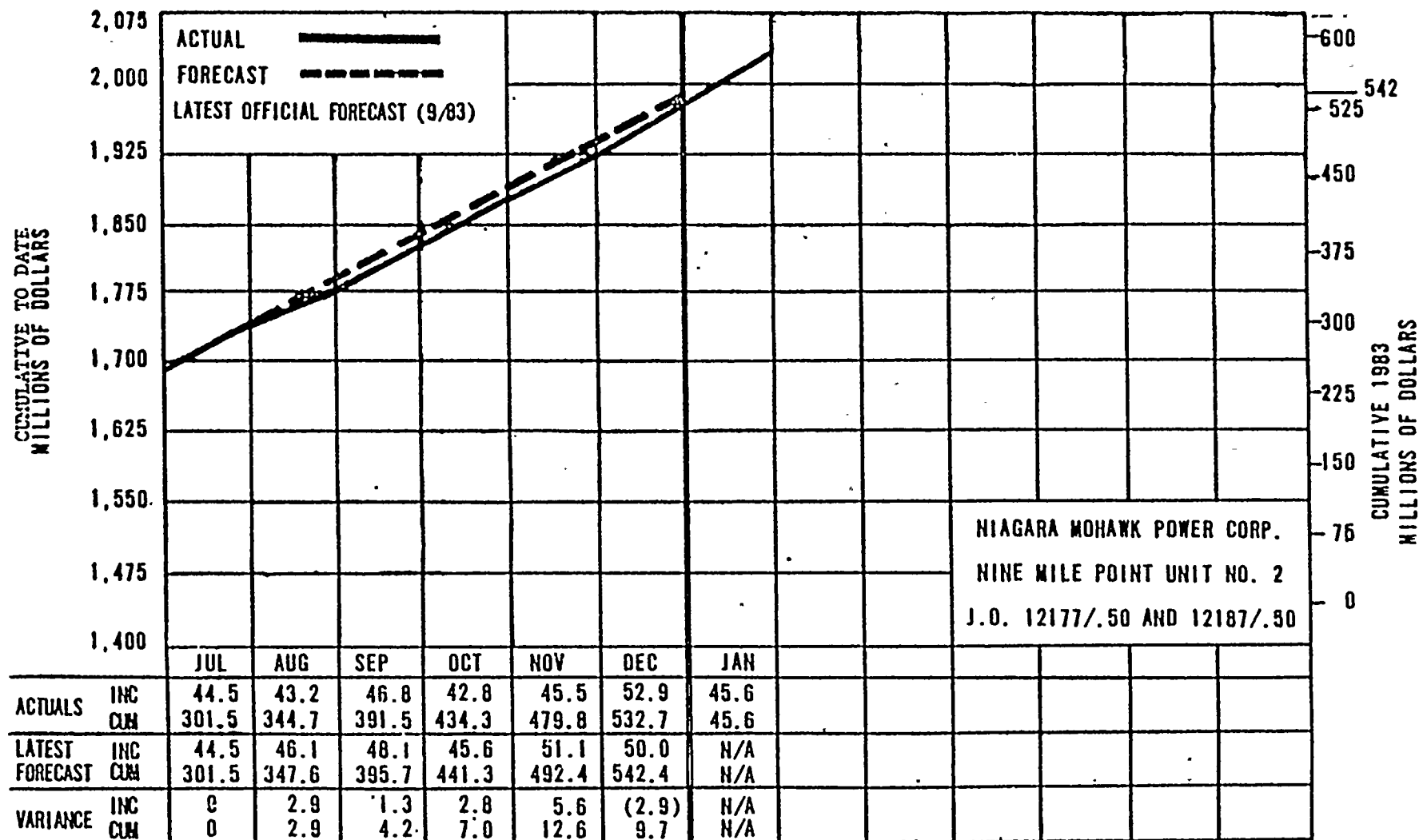
³The engineering and design and the total headquarters planned man-hours for the last quarter of 1983 have been revised to reflect the fiscal 1984 headquarters work plan.

⁴The total headquarters actual man-hours for the period September through November 1983 have been revised to include hours for QA/QC charged by Canada Ltd. The appropriate variances have been adjusted accordingly.



- COMPANY CONFIDENTIAL -

TOTAL PROJECT COSTS FOR CURRENT YEAR (1983) (1984) REPORT V



() - OVERRUN

Note: Approved forecast for 1984 not available at time of issue.



MOD 1, 2, 3 RUN DATE 12/83

BUDGET ALLOCATION
SES SUMMARY

ALL DOLLARS IN 1,000s

| | | MOD 1 | MOD 2 | MOD 3 | EXPENDED 12/83 |
|-------------------------|----------------|--------------------|--------------------|--------------------|--------------------|
| CONSTRUCTION COST | DIRECT | \$ 966,834 | \$ 785,018 | \$ 765,700 | \$ 865,647 |
| | DISTRIBUTABLE | 558,189 | 486,181 | 481,315 | 534,384 |
| HEADQUARTERS COST | | 467,264 | 393,728 | 373,600 | 402,320 |
| QUALITY ASSURANCE | | 75,377 | 71,840 | 69,029 | 61,260 |
| CLIENT'S COST | | 244,030 | 180,740 | 180,708 | 108,767 |
| ADMINISTRATION BUILDING | | 4,569 | 4,569 | 4,569 | 7,150 |
| AFI | | 51,216 | 82,616 | 94,479 | --- |
| ESCALATION | | 425,331 | 328,522 | 319,600 | --- |
| | SUBTOTAL | <u>2,792,811</u> | <u>2,333,214</u> | <u>2,289,000</u> | <u>1,979,528</u> |
| DEFINED BUDGET EXPOSURE | | <51,000> | 198,842 | 241,723 | --- |
| MANAGEMENT RESERVE | | 0 | 117,944 | 119,277 | --- |
| | TOTAL ESTIMATE | <u>2,741,810</u> | <u>2,650,000</u> | <u>2,650,000</u> | |
| OTHER | | --- | --- | --- | 5,291 |
| | GRAND TOTAL | <u>\$2,741,810</u> | <u>\$2,650,000</u> | <u>\$2,650,000</u> | <u>\$1,984,819</u> |



(DOLLARS 1000)

EXPENDITURE FORECAST AND MONITORING REPORT

FORM 010-01

RUN DATE 840110

1983

PAGE 1

CUMULATIVE
THROUGH1983
TOTAL

| ITEM DESCRIPTION | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | DEC 83 | TOTAL |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| CONSTRUCTION | | | | | | | | | | | | | | |
| WALSH CONSTRUCTION (AE) | | | | | | | | | | | | | | |
| F | 3,440 | 3,253 | 4,300 | 4,144 | 4,091 | 4,297 | 4,038 | 4,034 | 4,673 | 3,516 | 2,073 | 2,695 | 47,285 | 47,285 |
| A | 3,440 | 3,253 | 4,300 | 4,144 | 4,091 | 4,297 | 4,038 | 4,034 | 4,360 | 3,531 | 3,394 | 3,473 | 40,160 | 48,160 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 127 | 313 | 15 | 521 | 770 | 875 | 875 |
| ITT GRINNELL (AE) | | | | | | | | | | | | | | |
| F | 4,701 | 5,250 | 6,625 | 6,200 | 6,159 | 6,169 | 6,308 | 6,140 | 7,142 | 6,114 | 6,190 | 6,906 | 76,436 | 76,436 |
| A | 4,701 | 5,250 | 6,625 | 6,200 | 6,159 | 6,169 | 6,308 | 6,140 | 6,674 | 6,474 | 6,550 | 6,906 | 77,575 | 77,575 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 176 | 467 | 640 | 641 | 3,062 | 1,139 | 1,139 |
| W.K. CONSTOCK (AE) | | | | | | | | | | | | | | |
| F | 2,224 | 2,331 | 2,074 | 2,943 | 2,072 | 3,360 | 2,278 | 3,048 | 3,298 | 2,614 | 2,914 | 3,426 | 33,603 | 33,603 |
| A | 2,224 | 2,331 | 2,074 | 2,943 | 2,072 | 3,360 | 2,278 | 2,442 | 3,353 | 2,700 | 3,303 | 4,705 | 34,744 | 34,744 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 606 | 945 | 914 | 611 | 1,698 | 1,141 | 1,141 |
| JOHNSON CONTROLS (AE) | | | | | | | | | | | | | | |
| F | 314 | 317 | 375 | 633 | 362 | 660 | 300 | 739 | 711 | 749 | 820 | 1,127 | 7,139 | 7,139 |
| A | 314 | 317 | 375 | 633 | 362 | 660 | 300 | 539 | 540 | 492 | 465 | 660 | 5,816 | 5,816 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 101 | 163 | 257 | 355 | 447 | 1,323 | 1,323 |
| SCHEIDT & BOWEN (AE) | | | | | | | | | | | | | | |
| F | 504 | 172 | 603 | 285 | 402 | 774 | 389 | 1,170 | 694 | 651 | 631 | 754 | 6,597 | 6,597 |
| A | 504 | 172 | 603 | 285 | 402 | 774 | 389 | 547 | 534 | 476 | 493 | 922 | 6,659 | 6,659 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 160 | 225 | 138 | 168 | 62 | 62 |
| WILTSIE (AE) | | | | | | | | | | | | | | |
| F | 263 | 314 | 322 | 297 | 291 | 344 | 363 | 262 | 459 | 351 | 369 | 442 | 4,056 | 4,056 |
| A | 263 | 314 | 322 | 297 | 291 | 344 | 363 | 327 | 410 | 343 | 367 | 469 | 4,070 | 4,070 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45 | 49 | 8 | 2 | 27 | 14 | 14 |
| SHYDER & HACKIN-SCHAFER (AE) | | | | | | | | | | | | | | |
| F | 343 | 307 | 426 | 401 | 350 | 659 | 330 | 377 | 462 | 413 | 410 | 512 | 5,082 | 5,082 |
| A | 343 | 307 | 426 | 401 | 350 | 659 | 334 | 311 | 375 | 349 | 439 | 611 | 4,992 | 4,992 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66 | 87 | 64 | 29 | 100 | 90 | 90 |
| GIVES (AE) | | | | | | | | | | | | | | |
| F | 762 | 1,591 | 700 | 1,471 | 964 | 1,022 | 920 | 1,535 | 1,094 | 964 | 939 | 925 | 12,900 | 12,900 |
| A | 762 | 1,591 | 700 | 1,471 | 964 | 1,022 | 920 | 1,430 | 862 | 1,495 | 320 | 610 | 12,171 | 12,171 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 99 | 232 | 627 | 611 | 315 | 730 | 730 |
| REACTOR CONTROLS, INC. (AE) | | | | | | | | | | | | | | |
| F | 475 | 1,024 | 808 | 397 | 640 | 531 | 1,246 | 175 | 819 | 745 | 624 | 638 | 8,151 | 8,151 |
| A | 475 | 1,024 | 808 | 397 | 640 | 531 | 1,246 | 134 | 656 | 903 | 232 | 821 | 7,966 | 7,966 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 41 | 162 | 228 | 392 | 153 | 185 | 185 |
| GENERAL ELECTRIC (AE) | | | | | | | | | | | | | | |
| F | 0 | 728 | 162 | 115 | 136 | 13 | 296 | 179 | 345 | 432 | 345 | 345 | 3,205 | 3,205 |
| A | 0 | 728 | 162 | 115 | 136 | 13 | 296 | 179 | 16 | 511 | 166 | 152 | 2,723 | 2,723 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 192 | 130 | 79 | 179 | 191 | 482 | 482 |



(DOLLARS \$,000)

EXPENDITURE FORECAST AND MONITORING REPORT

EFNCHL010-01

RUN DATE 040110

1983

PAGE 2

| ITEM DESCRIPTION | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | CUMULATIVE THROUGH DEC 83 | 1983 TOTAL |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------------------|------------|
| TURN (RM) | | | | | | | | | | | | | | |
| F | 0 | 724 | 618 | 850 | 0 | 1,764 | 1,737 | 1,410 | 1,730 | 1,001 | 949 | 1,219 | 12,107 | 12,107 |
| A | 0 | 724 | 618 | 850 | 0 | 1,764 | 1,737 | 1,574 | 3,437 | 490 | 1,474 | -6 | 12,699 | 12,699 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 158 | 1,699 | 571 | 525 | 1,219 | 592 | 592 |
| OTHER CONTRACTS | | | | | | | | | | | | | | |
| F | 0 | 1,071 | 800 | 1,300 | 637 | 700 | 654 | 900 | 1,117 | 1,019 | 1,740 | 1,419 | 12,414 | 12,414 |
| A | 0 | 1,071 | 800 | 1,300 | 637 | 700 | 654 | 974 | 677 | 901 | 704 | 1,099 | 9,972 | 9,972 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 68 | 435 | 630 | 1,021 | 410 | 2,442 | 2,442 |
| SWEC MANUAL LABOR | | | | | | | | | | | | | | |
| F | 1,358 | 1,411 | 1,850 | 1,705 | 2,000 | 2,500 | 1,837 | 2,000 | 2,388 | 2,163 | 2,316 | 2,087 | 24,572 | 24,572 |
| A | 1,358 | 1,411 | 1,350 | 1,705 | 2,000 | 2,500 | 1,837 | 1,778 | 2,439 | 2,411 | 2,642 | 3,063 | 25,591 | 25,591 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 203 | 57 | 254 | 326 | 676 | 1,019 | 1,019 |
| SWEC NON-MANUAL LABOR | | | | | | | | | | | | | | |
| F | 137 | 576 | 1,797 | 1,539 | 1,535 | 2,000 | 1,705 | 2,106 | 1,786 | 1,761 | 2,450 | 2,120 | 19,722 | 19,722 |
| A | 137 | 576 | 1,797 | 1,539 | 1,535 | 2,000 | 1,705 | 1,808 | 2,220 | 1,667 | 1,627 | 2,200 | 18,806 | 18,806 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 299 | 44 | 294 | 832 | 79 | 916 | 916 |
| SWEC BENEFITS, INC. & TAXES | | | | | | | | | | | | | | |
| F | 842 | 326 | 731 | 1,115 | 812 | 820 | 447 | 1,112 | 1,542 | 1,291 | 1,500 | 1,739 | 12,786 | 12,786 |
| A | 842 | 326 | 731 | 1,115 | 812 | 820 | 447 | 997 | 697 | 613 | 2,000 | 2,342 | 11,839 | 11,839 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 105 | 845 | 1,078 | 533 | 603 | 947 | 947 |
| SWEC FOC | | | | | | | | | | | | | | |
| F | 400 | 136 | 615 | 539 | 615 | 697 | 621 | 770 | 616 | 608 | 788 | 694 | 6,704 | 6,704 |
| A | 400 | 136 | 515 | 539 | 615 | 697 | 621 | 596 | 723 | 672 | 561 | 715 | 6,435 | 6,435 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 174 | 106 | 3 | 227 | 22 | 269 | 269 |
| SITE PURCHASE ORDERS | | | | | | | | | | | | | | |
| F | 2,795 | 2,850 | 3,404 | 2,482 | 3,914 | 2,743 | 3,467 | 3,014 | 2,330 | 2,573 | 2,383 | 1,952 | 33,919 | 33,919 |
| A | 2,795 | 2,850 | 3,404 | 2,482 | 3,914 | 2,743 | 3,467 | 2,593 | 2,573 | 2,900 | 4,635 | 4,635 | 37,329 | 37,329 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 123 | 242 | 402 | 202 | 2,687 | 3,409 | 3,409 |
| UTILITIES | | | | | | | | | | | | | | |
| F | 455 | 494 | 559 | 590 | 437 | 829 | 409 | 324 | 294 | 294 | 319 | 319 | 5,322 | 5,322 |
| A | 455 | 494 | 559 | 590 | 437 | 829 | 409 | 303 | 290 | 282 | 249 | 389 | 5,285 | 5,285 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 207 | 40 | 12 | 70 | 70 | 36 | 36 |
| SUBTOTAL FOR CONSTRUCTION | | | | | | | | | | | | | | |
| F | 19,859 | 25,966 | 26,228 | 27,089 | 27,345 | 33,182 | 27,362 | 29,113 | 31,503 | 28,809 | 28,629 | 30,217 | 332,001 | 332,001 |
| A | 19,859 | 22,906 | 26,228 | 27,089 | 27,345 | 33,182 | 27,362 | 27,205 | 30,846 | 26,925 | 26,691 | 37,437 | 332,834 | 332,834 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,904 | 657 | 1,883 | 1,930 | 7,220 | 833 | 833 |



(DOLLARS '000)

EXPENDITURE FORECAST AND MONITORING REPORT

EP4CH01010-01

RUN DATE 04/11/00

1991

PAGE 2

CUMULATIVE

THROUGH

1993

DESCRIPTION

JAN

FEB

MAR

APR

MAY

JUN

JUL

AUG

SEP

OCT

NOV

DEC

DEC 01

TOTAL

ZURN (HN)

| | | | | | | | | | | | | | | |
|---|---|-----|-----|-----|---|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| F | 0 | 724 | 618 | 850 | 0 | 1,764 | 1,737 | 1,410 | 1,738 | 1,001 | 949 | 1,219 | 12,107 | 12,107 |
| A | 0 | 724 | 618 | 850 | 0 | 1,764 | 1,737 | 1,574 | 3,437 | 490 | 1,474 | 0 | 12,699 | 12,699 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 158 | 1,699 | 571 | 525 | 1,219 | 592 | 592 |

OTHER CONTRACTS

| | | | | | | | | | | | | | | |
|---|---|-------|-----|-------|-----|-----|-----|-----|-------|-------|-------|-------|--------|--------|
| F | 0 | 1,071 | 150 | 1,300 | 637 | 764 | 854 | 906 | 1,117 | 1,019 | 1,749 | 1,419 | 12,414 | 12,414 |
| A | 0 | 1,071 | 150 | 1,300 | 637 | 764 | 854 | 974 | 677 | 983 | 764 | 1,009 | 9,972 | 9,972 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 68 | 436 | 636 | 1,021 | 419 | 2,442 | 2,442 |

SPEC MANUAL LABOR

| | | | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| F | 1,358 | 1,411 | 1,850 | 1,785 | 2,000 | 2,500 | 1,837 | 2,068 | 2,388 | 2,163 | 2,316 | 2,987 | 24,572 | 24,572 |
| A | 1,358 | 1,411 | 1,850 | 1,785 | 2,000 | 2,500 | 1,837 | 1,775 | 2,439 | 2,411 | 2,642 | 3,663 | 25,591 | 25,591 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 293 | 52 | 294 | 326 | 676 | 1,019 | 1,019 |

SPEC NON-MANUAL LABOR

| | | | | | | | | | | | | | | |
|---|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| F | 137 | 576 | 1,797 | 1,539 | 1,535 | 2,000 | 1,705 | 2,106 | 1,786 | 1,961 | 2,459 | 2,120 | 19,722 | 19,722 |
| A | 137 | 576 | 1,797 | 1,539 | 1,535 | 2,000 | 1,705 | 1,808 | 2,220 | 1,662 | 1,627 | 2,200 | 18,806 | 18,806 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 299 | 434 | 299 | 832 | 79 | 916 | 916 |

SPEC-BENEFITS, INCL. TAXES

| | | | | | | | | | | | | | | |
|---|-----|-----|-----|-------|-----|-----|-----|-------|-------|-------|-------|-------|--------|--------|
| F | 892 | 326 | 731 | 1,115 | 812 | 821 | 447 | 1,162 | 1,542 | 1,891 | 1,550 | 1,719 | 12,786 | 12,786 |
| A | 892 | 326 | 731 | 1,115 | 812 | 821 | 447 | 997 | 697 | 613 | 2,000 | 2,342 | 11,839 | 11,839 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 165 | 845 | 1,078 | 530 | 603 | 947 | 947 |

SPEC FOC

| | | | | | | | | | | | | | | |
|---|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-------|
| F | 46 | 136 | 515 | 539 | 615 | 697 | 621 | 773 | 616 | 668 | 788 | 694 | 6,704 | 6,704 |
| A | 46 | 136 | 515 | 539 | 615 | 697 | 621 | 596 | 721 | 672 | 561 | 715 | 6,435 | 6,435 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 174 | 106 | 3 | 227 | 22 | 269 | 269 |

SITE PURCHASE DRUGS

| | | | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| F | 2,795 | 2,850 | 3,404 | 2,482 | 3,914 | 2,743 | 3,467 | 3,014 | 2,330 | 2,579 | 2,384 | 1,952 | 33,919 | 33,919 |
| A | 2,795 | 2,850 | 3,404 | 2,482 | 3,914 | 2,743 | 3,467 | 2,893 | 2,573 | 2,980 | 2,590 | 1,635 | 37,329 | 37,329 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 123 | 242 | 402 | 202 | 2,687 | 3,409 | 3,409 |

UTILITIES

| | | | | | | | | | | | | | | |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-------|
| F | 455 | 494 | 559 | 590 | 437 | 829 | 409 | 324 | 294 | 294 | 319 | 319 | 5,322 | 5,322 |
| A | 455 | 494 | 559 | 590 | 437 | 829 | 409 | 303 | 290 | 282 | 249 | 389 | 5,285 | 5,285 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 205 | 46 | 12 | 70 | 70 | 36 | 36 |

SUBTOTAL FOR CONSTRUCTION

| | | | | | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| F | 19,699 | 22,966 | 26,228 | 27,098 | 27,345 | 33,182 | 27,362 | 29,113 | 31,503 | 28,809 | 28,629 | 30,217 | 332,001 | 332,001 |
| A | 19,699 | 22,966 | 26,228 | 27,098 | 27,345 | 33,182 | 27,362 | 27,205 | 30,846 | 26,925 | 26,691 | 37,437 | 332,834 | 332,834 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,908 | 657 | 1,883 | 7,220 | 833 | 833 | 833 |



(DOLLARS , ,000)

EXPENDITURE FORECAST AND MONITORING REPORT

FFMCHL010-01

RUN DATE 840110

1983

PAGE 3
CUMULATIVE
THROUGH1983
TOTAL

| DESCRIPTION | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | DEC 83 | TOTAL |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| HEADQUARTERS LAHOR | | | | | | | | | | | | | | |
| H.Q. LAHOR (LESS OA/OC) | | | | | | | | | | | | | | |
| I | 6,403 | 6,519 | 7,296 | 7,519 | 7,316 | 8,266 | 7,452 | 7,320 | 7,424 | 5,853 | 6,713 | 7,031 | 85,522 | 85,522 |
| A | 6,203 | 6,519 | 7,296 | 7,519 | 7,116 | 8,250 | 7,452 | 7,396 | 7,543 | 5,769 | 6,309 | 7,009 | 85,202 | 85,202 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 76 | 118 | 85 | 404 | 26 | 321 | 321 |
| TORONTO | | | | | | | | | | | | | | |
| I | 417 | 437 | 471 | 443 | 442 | 450 | 592 | 403 | 300 | 162 | 97 | 87 | 4,313 | 4,313 |
| A | 417 | 437 | 471 | 443 | 442 | 450 | 592 | 410 | 300 | 163 | 84 | 121 | 4,337 | 4,337 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 14 | 36 | 25 | 25 |
| OA/OC (LESS POC) | | | | | | | | | | | | | | |
| I | 231 | 257 | 245 | 265 | 283 | 362 | 283 | 287 | 321 | 246 | 280 | 335 | 3,398 | 3,398 |
| A | 231 | 257 | 240 | 265 | 283 | 362 | 283 | 287 | 323 | 247 | 263 | 299 | 3,347 | 3,347 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 18 | 36 | 51 | 51 |
| DISTRICT POC | | | | | | | | | | | | | | |
| I | 155 | 150 | 155 | 160 | 166 | 200 | 179 | 163 | 167 | 159 | 250 | 251 | 2,166 | 2,166 |
| A | 155 | 150 | 155 | 160 | 166 | 200 | 179 | 164 | 167 | 159 | 1 | 419 | 2,083 | 2,083 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 249 | 167 | 83 | 83 |
| SUBTOTAL FOR HEADQUARTERS LAHOR | | | | | | | | | | | | | | |
| I | 7,606 | 7,362 | 8,170 | 8,394 | 8,207 | 9,264 | 8,506 | 8,179 | 8,219 | 6,429 | 7,340 | 7,707 | 95,399 | 95,399 |
| A | 7,606 | 7,362 | 8,170 | 8,394 | 8,207 | 9,264 | 8,506 | 8,257 | 8,342 | 6,337 | 6,655 | 7,845 | 94,969 | 94,969 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 78 | 122 | 86 | 685 | 150 | 431 | 431 |



(DOLLARS X 1,000)

EXPENDITURE FORECAST AND MONITORING REPORT

FFMCH010-01

RUN DATE 040110

1983

PAGE 3

CONSOLIDATIVE
THROUGH1983
TOTAL

| DESCRIPTION | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | DEC 83 | TOTAL |
|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| HEADQUARTER'S LABOR | | | | | | | | | | | | | | |
| H.Q. LABOR (LESS OA/OC) | | | | | | | | | | | | | | |
| F | 6,401 | 6,514 | 7,296 | 7,514 | 7,316 | 8,256 | 7,452 | 7,320 | 7,424 | 6,863 | 6,713 | 7,011 | 85,522 | 85,522 |
| A | 6,263 | 6,339 | 7,296 | 7,514 | 7,116 | 8,256 | 7,452 | 7,396 | 7,543 | 5,760 | 6,109 | 7,009 | 85,202 | 85,202 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 76 | 118 | 85 | 404 | 26 | 321 | 321 |
| TORONTO | | | | | | | | | | | | | | |
| F | 417 | 437 | 471 | 443 | 442 | 450 | 592 | 403 | 300 | 162 | 97 | 87 | 4,313 | 4,313 |
| A | 417 | 437 | 471 | 443 | 442 | 450 | 592 | 410 | 309 | 163 | 86 | 121 | 4,337 | 4,337 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 14 | 36 | 25 | 25 |
| OA/OC (LESS-TOC) | | | | | | | | | | | | | | |
| F | 231 | 257 | 248 | 265 | 281 | 362 | 283 | 287 | 321 | 246 | 280 | 315 | 3,308 | 3,308 |
| A | 231 | 257 | 248 | 265 | 281 | 362 | 283 | 287 | 323 | 247 | 282 | 299 | 3,347 | 3,347 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 18 | 36 | 51 | 51 |
| DISTRICT POC | | | | | | | | | | | | | | |
| F | 154 | 150 | 152 | 168 | 166 | 200 | 179 | 163 | 167 | 150 | 250 | 251 | 2,166 | 2,166 |
| A | 154 | 150 | 152 | 168 | 166 | 200 | 179 | 164 | 167 | 150 | 250 | 251 | 2,083 | 2,083 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 249 | 167 | 61 | 61 |
| SUBTOTAL FOR HEADQUARTER'S LABOR | | | | | | | | | | | | | | |
| F | 7,666 | 7,352 | 8,170 | 8,399 | 8,207 | 9,269 | 8,506 | 8,179 | 8,219 | 8,420 | 7,340 | 7,707 | 95,399 | 95,399 |
| A | 7,666 | 7,352 | 8,170 | 8,399 | 8,207 | 9,269 | 8,506 | 8,257 | 8,342 | 6,337 | 6,655 | 7,845 | 94,969 | 94,969 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 78 | 122 | 86 | 699 | 150 | 431 | 431 |



(DOLLARS A 1,000)

EXPENDITURE FORECAST AND MONITORING REPORT

SFHCOL010-01

RUN DATE 040110

1963

PAGE 4

CUMULATIVE
THROUGH

1963

TOTAL

| ITEM DESCRIPTION | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | DEC 63 | TOTAL |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| NO. PURCHASED MATERIAL COMMITTED PURCHASE ORDER | | | | | | | | | | | | | | |
| | 2,772 | 5,204 | 4,007 | 2,761 | 2,219 | 1,857 | 6,070 | 4,614 | 4,265 | 6,100 | 5,507 | 7,876 | 54,429 | 54,429 |
| A | 2,772 | 5,204 | 4,007 | 2,761 | 2,219 | 1,857 | 6,070 | 4,433 | 3,909 | 3,433 | 4,424 | 4,141 | 46,365 | 46,365 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 181 | 356 | 2,720 | 1,083 | 1,735 | 8,062 | 8,062 |
| UNCOMMITTED PURCHASE ORDERS | | | | | | | | | | | | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NUCLEAR STEAM SUPPLY SYSTEM | | | | | | | | | | | | | | |
| | 4,235 | 1,059 | 2,925 | 1,390 | 120 | 1,111 | 1,520 | 2,163 | 2,063 | 2,205 | 2,205 | 2,205 | 26,001 | 26,001 |
| A | 4,235 | 1,059 | 2,925 | 1,390 | 120 | 1,111 | 1,520 | 1,250 | 1,865 | 2,098 | 1,427 | 1,455 | 23,256 | 23,256 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 913 | 198 | 107 | 778 | 750 | 2,745 | 2,745 |
| SUBTOTAL FOR NO. PURCHASED MATERIAL | | | | | | | | | | | | | | |
| | 7,007 | 6,262 | 6,932 | 4,151 | 2,339 | 2,968 | 7,590 | 6,782 | 6,318 | 8,305 | 7,772 | 10,081 | 80,429 | 80,429 |
| A | 7,007 | 6,262 | 6,932 | 4,151 | 2,339 | 2,968 | 7,590 | 5,683 | 5,774 | 5,530 | 5,925 | 5,596 | 69,621 | 69,621 |
| V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,099 | 544 | 2,835 | 1,847 | 4,485 | 10,808 | 10,808 |



(DOLLARS) 000

EXPENDITURE FORECAST AND MONITORING REPORT

SF000000-01

RUN DATE 040110

1983

PAGE 4

CUMULATIVE
THROUGH1983
TOTAL

| ITEM DESCRIPTION | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | DEC 83 | TOTAL |
|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| NO. PURCHASED MATERIAL | | | | | | | | | | | | | | |
| COMMITTED PURCHASE ORDERS | 2,772 | 5,264 | 4,007 | 2,761 | 2,219 | 3,457 | 6,070 | 4,614 | 3,265 | 4,140 | 5,567 | 7,876 | 54,429 | 54,428 |
| | 2,772 | 5,264 | 4,007 | 2,761 | 2,219 | 3,457 | 6,070 | 4,433 | 3,909 | 3,433 | 4,494 | 4,144 | 46,365 | 46,365 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 181 | 346 | 2,728 | 1,069 | 1,731 | 8,062 | 8,062 |
| UNCOMMITTED PURCHASE ORDERS | | | | | | | | | | | | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NUCLEAR STEAM SUPPLY SYSTEM | | | | | | | | | | | | | | |
| | 4,235 | 3,059 | 2,925 | 1,390 | 120 | 1,111 | 1,120 | 2,163 | 2,043 | 2,205 | 2,205 | 2,205 | 26,001 | 26,001 |
| | 4,235 | 3,059 | 2,925 | 1,390 | 120 | 1,111 | 1,520 | 1,250 | 1,865 | 2,098 | 1,427 | 1,455 | 23,256 | 23,256 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 913 | 198 | 107 | 778 | 750 | 2,745 | 2,745 |
| SUBTOTAL FOR NO. PURCHASED MATERIAL | | | | | | | | | | | | | | |
| | 7,007 | 9,122 | 6,933 | 4,151 | 2,339 | 4,568 | 6,590 | 6,783 | 6,318 | 8,365 | 7,772 | 10,041 | 80,429 | 80,429 |
| | 7,007 | 9,122 | 6,933 | 4,151 | 2,339 | 4,568 | 6,590 | 5,683 | 5,774 | 5,530 | 5,925 | 5,594 | 69,621 | 69,621 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,091 | 544 | 2,835 | 1,847 | 4,447 | 10,808 | 10,808 |

(DOLLARS & 1,000)

EXPENDITURE FORECAST AND MONITORING REPORT

EFNCH 010-01

RUN DATE 040110

1983

PAGE
5
CUMULATIVE
THROUGH
DEC 83

1983
TOTAL

| ITEM DESCRIPTION | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | CUMULATIVE THROUGH DEC 83 | 1983 TOTAL |
|----------------------------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|---------------------------------|---------------|
| CLIENT'S COST | | | | | | | | | | | | | | |
| CLIENT'S COST | | | | | | | | | | | | | | |
| | 1,647 | 8,782 | 1,266 | 1,823 | 2,049 | 1,527 | 2,045 | 2,014 | 2,014 | 2,015 | 7,374 | 2,015 | 34,572 | 34,572 |
| | 1,647 | 8,782 | 1,266 | 1,823 | 2,049 | 1,527 | 2,045 | 2,081 | 1,859 | 4,079 | 6,212 | 2,043 | 35,414 | 35,414 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 67 | 155 | 2,054 | 1,162 | 28 | 842 | 842 |
| SUBTOTAL FOR CLIENT'S COST | | | | | | | | | | | | | | |
| | 1,647 | 8,782 | 1,266 | 1,823 | 2,049 | 1,527 | 2,045 | 2,014 | 2,014 | 2,015 | 7,374 | 2,015 | 34,572 | 34,572 |
| | 1,647 | 8,782 | 1,266 | 1,823 | 2,049 | 1,527 | 2,045 | 2,081 | 1,859 | 4,079 | 6,212 | 2,043 | 35,414 | 35,414 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 67 | 155 | 2,054 | 1,162 | 28 | 842 | 842 |
| GRAND TOTAL | | | | | | | | | | | | | | |
| | 3,294 | 17,564 | 2,532 | 3,646 | 4,098 | 3,054 | 4,090 | 4,095 | 3,873 | 6,094 | 13,586 | 4,058 | 69,986 | 69,986 |
| | 3,294 | 17,564 | 2,532 | 3,646 | 4,098 | 3,054 | 4,090 | 4,162 | 4,014 | 8,153 | 19,798 | 6,081 | 71,828 | 71,828 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 133 | 310 | 2,021 | 1,324 | 56 | 924 | 924 |



(DOLLARS X 1,000)

EXPENDITURE FORECAST AND MONITORING REPORT

EFMCH010-01

RUN DATE 040110

1983

PAGE 5

CUMULATIVE
THROUGH

1983

TOTAL

| ITEM DESCRIPTION | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | DEC 83 | TOTAL |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| CLIENT'S COST | | | | | | | | | | | | | | |
| CLIENT'S COST | 1,047 | 1,702 | 1,266 | 1,023 | 2,049 | 1,527 | 2,045 | 2,014 | 2,014 | 2,015 | 7,374 | 2,015 | 34,572 | 34,572 |
| | 1,047 | 1,702 | 1,266 | 1,023 | 2,049 | 1,527 | 2,045 | 2,014 | 1,859 | 4,079 | 6,212 | 2,043 | 35,414 | 35,414 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 67 | 155 | 2,064 | 1,162 | 20 | 642 | 642 |
| SUBTOTAL FOR CLIENT'S COST | 1,047 | 1,702 | 1,266 | 1,023 | 2,049 | 1,527 | 2,045 | 2,014 | 2,014 | 2,015 | 7,374 | 2,015 | 34,572 | 34,572 |
| | 1,047 | 1,702 | 1,266 | 1,023 | 2,049 | 1,527 | 2,045 | 2,014 | 1,859 | 4,079 | 6,212 | 2,043 | 35,414 | 35,414 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 67 | 155 | 2,064 | 1,162 | 20 | 642 | 642 |
| GRAND TOTAL | 1,047 | 1,702 | 1,266 | 1,023 | 2,049 | 1,527 | 2,045 | 2,014 | 2,014 | 2,015 | 7,374 | 2,015 | 34,572 | 34,572 |
| | 1,047 | 1,702 | 1,266 | 1,023 | 2,049 | 1,527 | 2,045 | 2,014 | 1,859 | 4,079 | 6,212 | 2,043 | 35,414 | 35,414 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 67 | 155 | 2,064 | 1,162 | 20 | 642 | 642 |

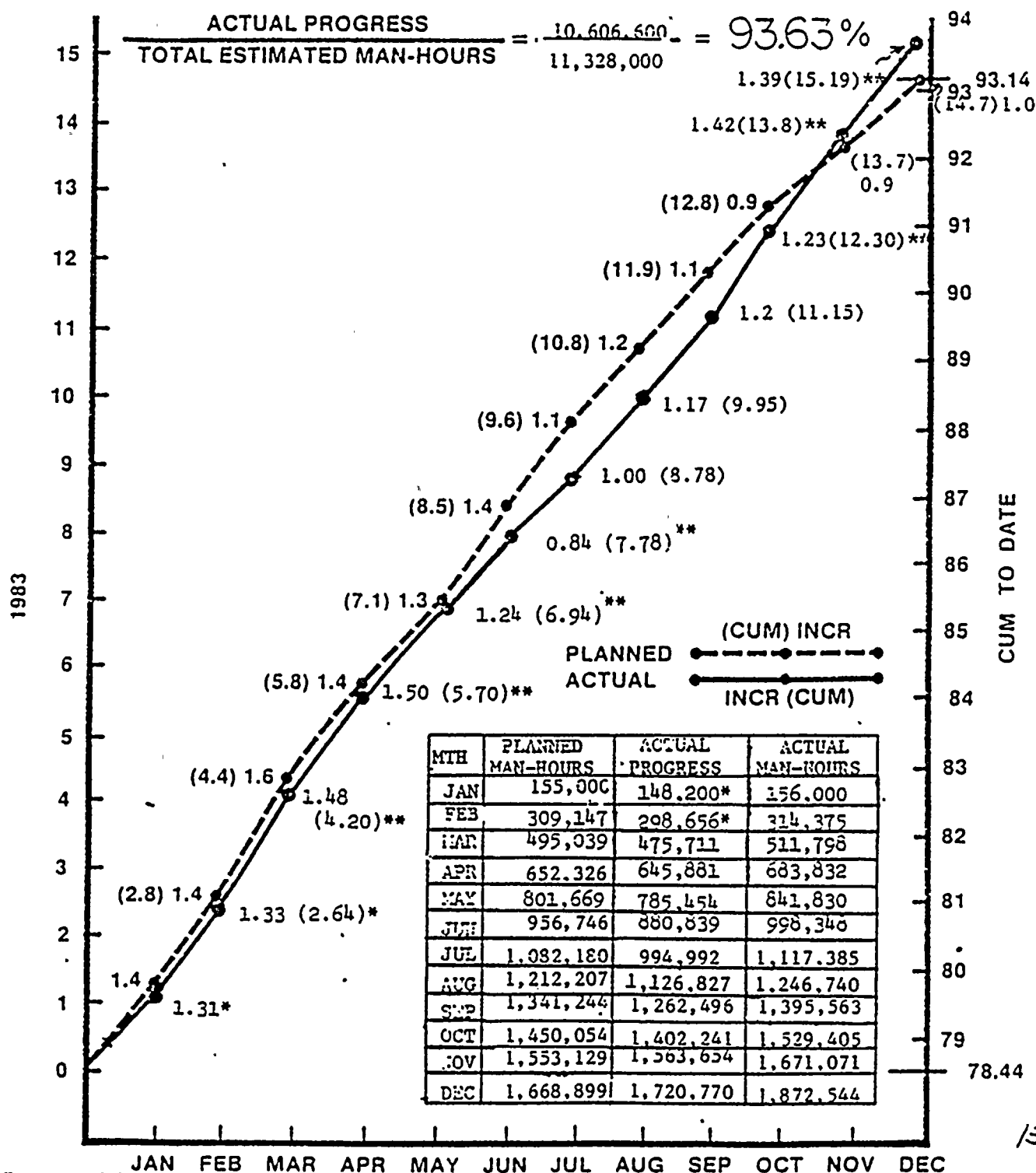
II. ENGINEERING



NINE MILE POINT NUCLEAR STATION — UNIT 2

1983 ENGINEERING AND DESIGN

PERCENT COMPLETE PERFORMANCE



*Estimated based on actual man-hours and assumed performance index **Based on EMS data
 Note: adjustments to January through December actual data are included in the current month's percent complete.

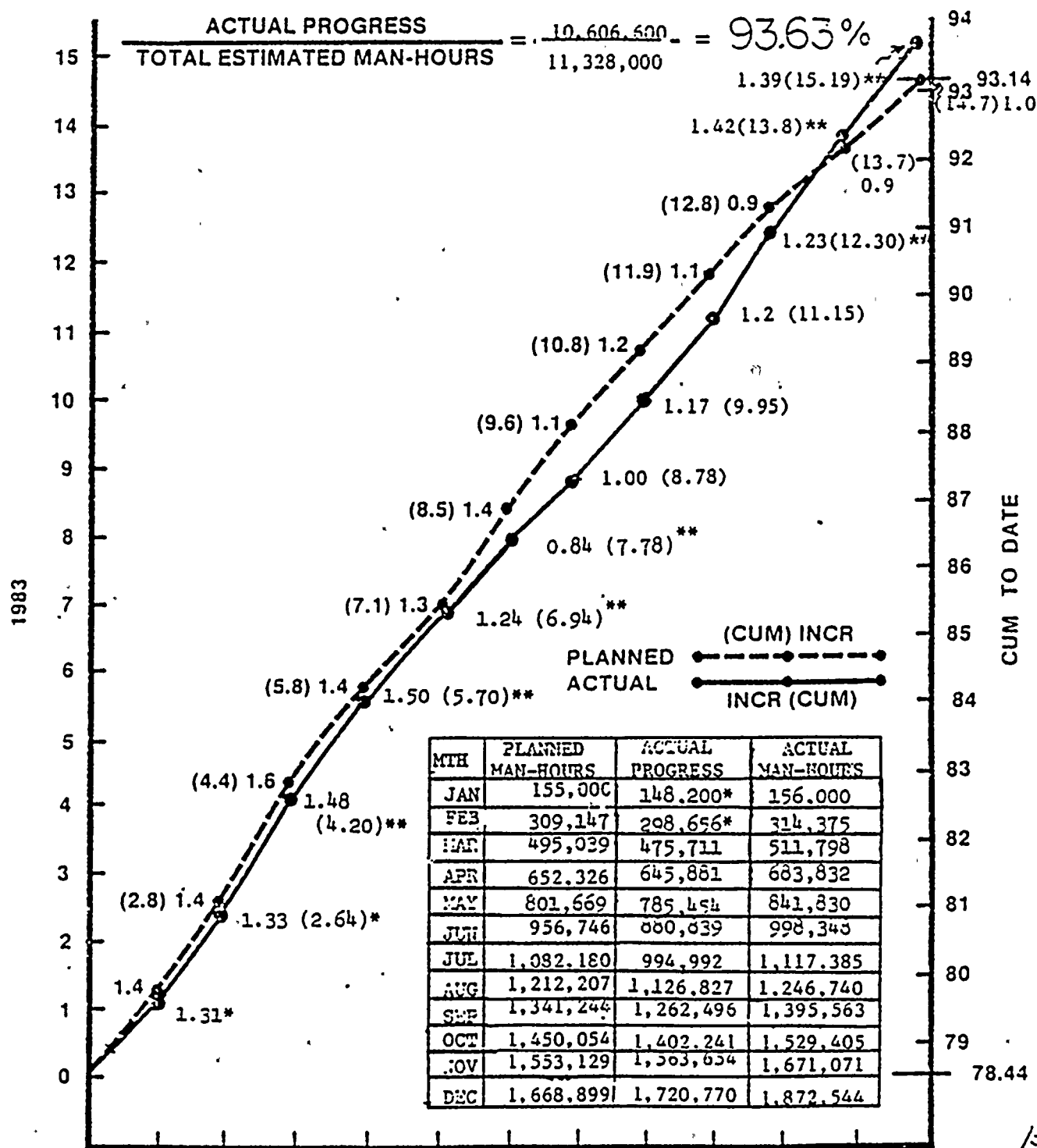


7

NINE MILE POINT NUCLEAR STATION — UNIT 2

1983 ENGINEERING AND DESIGN

PERCENT COMPLETE PERFORMANCE



JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC

*Estimated based on actual man-hours and assumed performance index **Based on EIS data

Note: Adjustments to January through December actual data are included in the current month's percent complete.

STONE & WEBSTER ENGINEERING CORPORATION

PROJECT STATUS INDEX REPORT EHS-SI
SORTED BY DIVISION

| PROJECT TITLE | | | CLIENT | | JOB ORDER NO. | | STATUS AS OF: 01JAN84 | | | REPORT DATED: 18JAN84 | | | |
|--------------------------------------|--------------------|--------------------|---------------|------------------|---------------|-----|---------------------------------------|--------------------|--------------------|--------------------------------------|------------------|---------------|--|
| NINE MILE 2 NUCLEAR POWER STATION | | | INPC | | 12177 | | LEVEL-1/3 OAT ENG/OSN WITH TORONTO | | | CURRENT PERIOD IS 01DEC83 TO 31DEC83 | | | |
| PROJECT MANHOUR SUMMARY | | | | | | | | | | | | | |
| CURRENT PERIOD | | | | | | | CUMULATIVE TO DATE | | | | | | |
| PLANNED MANHOURS + PROGRESS | ACTUAL MANHOURS | ACTUAL PROGRESS | PROG INDEX | MANHOUR INDEX | PERF INDEX | | PLANNED MANHOURS + PROGRESS | ACTUAL MANHOURS | ACTUAL PROGRESS | PROG INDEX | MANHOUR INDEX | PERF INDEX | |
| GRAND TOTAL | 154,024 | 201,018 | 158,363 | 1.03 | 1.31 | .79 | 448,008 | 471,419 | 458,274 | 1.02 | 1.05 | .97 | |

- NOTES:
1. Due to a revision to the 1984 work plan now being loaded into EMS the planned manhours are lower than shown on the manhour summary in Section 1 of this report.
 2. Cumulative to date is from October 1, 1983 i.e., fiscal 1984 only.
 3. Due to a revision to the 1984 workplan an additional 380,000 man-hours are now being loaded into EMS. Therefore, the planned man-hours and actual progress are lower than shown on the man-hour summary in Section 1 of this report, thus causing a low performance index. Next month's report will reflect the addition of these man-hours into the fiscal 1984 workplan.



STONE & HEBSTER ENGINEERING CORPORATION

PROJECT STATUS INDEX REPORT EMS-SI
SORTED BY DIVISION

| PROJECT TITLE | | CLIENT | | JOB ORDER NO. | | STATUS AS OF: 01JAN84 | | REPORT DATED: 18JAN84 | | | | | |
|--------------------------------------|--------------------|--------------------|---------------|---------------|---------------|---------------------------------------|--------------------------------------|--------------------------------------|--------------------|---------------|---------------|---------------|--|
| NINE HILE 2 NUCLEAR POWER STATION | | NUPC | | 12177 | | LEVEL-1/3 OAT ENG/DSN WITH TORONTO | | CURRENT PERIOD IS 01DEC83 TO 31DEC83 | | | | | |
| PROJECT MANHOUR SUMMARY | | | | | | | | | | | | | |
| CURRENT PERIOD | | | | | | | CUMULATIVE TO DATE | | | | | | |
| PLANNED MANHOURS + PROGRESS | ACTUAL MANHOURS | ACTUAL PROGRESS | PROG INDEX | MANH INDEX | PERF INDEX | | PLANNED MANHOURS + PROGRESS | ACTUAL MANHOURS | ACTUAL PROGRESS | PROG INDEX | MANH INDEX | PERF INDEX | |
| GRAND TOTAL | 154,024 | 201,016 | 150,363 | 1.03 | 1.31 | .79 | 440,000 | 471,419 | 450,274 | 1.02 | 1.05 | .97 | |

- NOTES:
1. Due to a revision to the 1984 work plan now being loaded into EMS the planned manhours are lower than shown on the manhour summary in Section 1 of this report.
 2. Cumulative to date is from October 1, 1983 i.e., fiscal 1984 only.
 3. Due to a revision to the 1984 workplan an additional 380,000 man-hours are now being loaded into EMS. Therefore, the planned man-hours and actual progress are lower than shown on the man-hour summary in Section 1 of this report, thus causing a low performance index. Next month's report will reflect the addition of these man-hours into the fiscal 1984 workplan.



SUMMARY OF DRAWINGS FOR TOTAL PROJECT AS OF DECEMBER 31, 1983

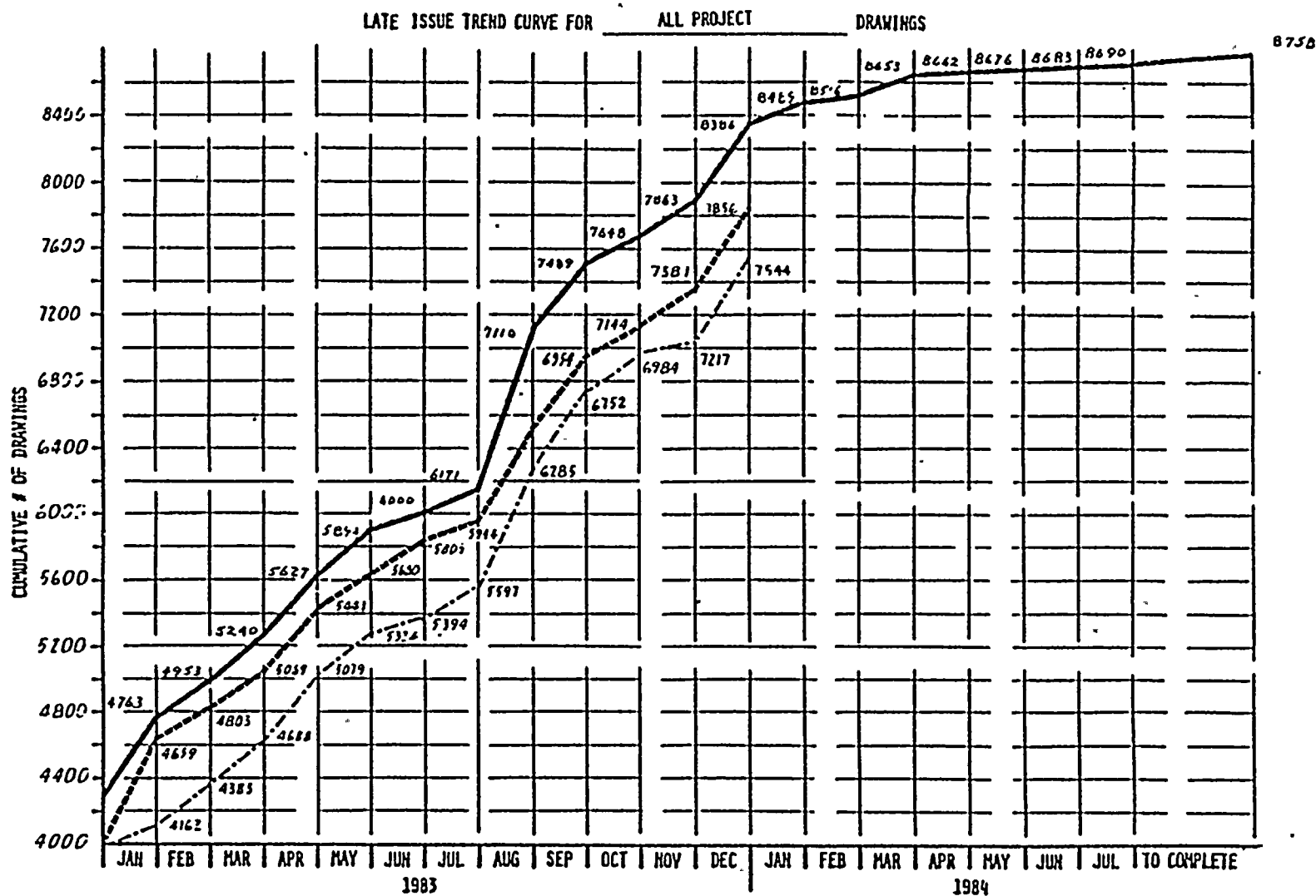
| <u>Discipline</u> | <u>Total No. of Drawings Estimated</u> | <u>Total No. of Drawings Issued to Construction</u> | <u>Total No. of Drawings Issued to Construction at 90%</u> |
|---------------------------------|--|---|--|
| Architecture | 110 | 108 | 107 |
| Building Service LB | 417 | 416 | 377 |
| Concrete | 840 | 840 | 838 |
| Electrical | 2099 | 1948 | 1939 |
| Field Erection | 25 | 25 | 25 |
| Instrumentation (BK, DK, EK) | 1422 | 1181 | 1154 |
| Machine Location | 119 | 115 | 101 |
| Piping LB | 584 | 568 | 553 |
| Radwaste (DB, DP) | 299 | 295 | 242 |
| Small Bore DBs | 300 | 297 | 294 |
| Small Bore NPs | 1028 | 894 | 816 |
| Steel | 451 | 448 | 443 |
| Vessel | 494 | 447 | 447 |
| Civil | 61 | 50 | 49 |
| Pipe Support Locations | <u>509</u> | <u>438</u> | <u>423</u> |
| | 8758 | 8070 | 7808 |
| | | 92% | 89% |



SUMMARY OF DRAWINGS FOR TOTAL PROJECT AS OF DECEMBER 31, 1983

| <u>Discipline</u> | <u>Total No. of Drawings Estimated</u> | <u>Total No. of Drawings Issued to Construction</u> | <u>Total No. of Drawings Issued to Construction at 90%</u> |
|---------------------------------|--|---|--|
| Architecture | 110 | 108 | 107 |
| Building Service LB | 417 | 416 | 377 |
| Concrete | 840 | 840 | 838 |
| Electrical | 2099 | 1948 | 1939 |
| Field Erection | 25 | 25 | 25 |
| Instrumentation (BK, DK, EK) | 1422 | 1181 | 1154 |
| Machine Location | 119 | 115 | 101 |
| Piping LB | 584 | 568 | 553 |
| Radwaste (DB, DP) | 299 | 295 | 242 |
| Small Bore DBs | 300 | 297 | 294 |
| Small Bore DPs | 1028 | 894 | 816 |
| Steel | 451 | 448 | 443 |
| Vessel | 494 | 447 | 447 |
| Civil | 61 | 50 | 49 |
| Pipe Support Locations | <u>509</u> | <u>438</u> | <u>423</u> |
| | 8758 | 8070 | 7808 |
| | | 92% | 89% |





LEGEND

STATUS AS OF 12-31-83

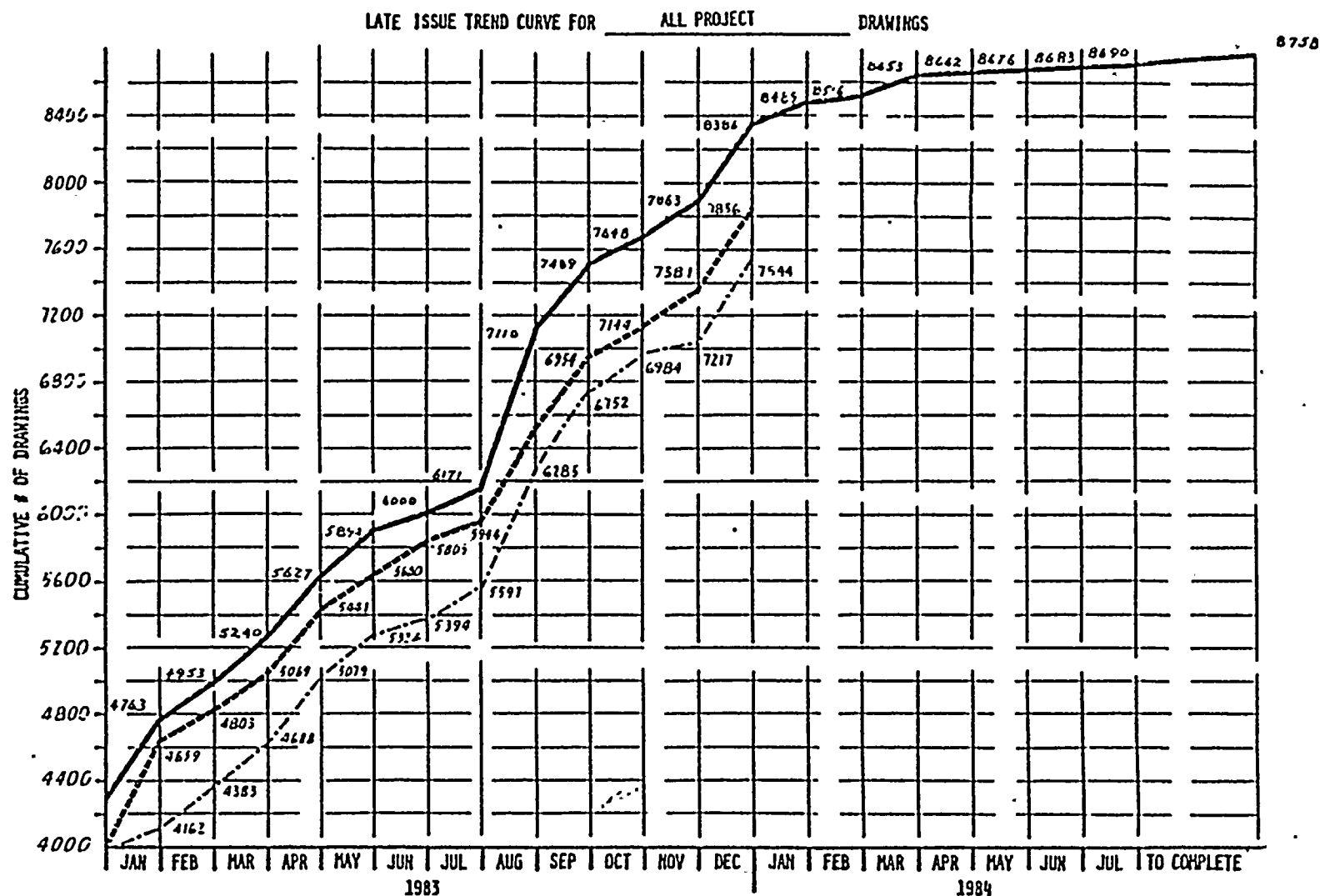
- SCHEDULED LATE ISSUE CURVE AS OF 1-9-84 DSR RUN
- TOTAL # DRAWINGS ISSUED FOR CONSTRUCTION OF THOSE SCHEDULED
- TOTAL # DRAWINGS ISSUED AT 90% FOR CONSTRUCTION OF THOSE SCHEDULED

STONE & WEBSTER
DEWART HILL OPERATIONS CENTER

DRAWING TREND CURVE

NIAGARA MOHAWK POWER CORPORATION


C. F. WISNIEWSKI



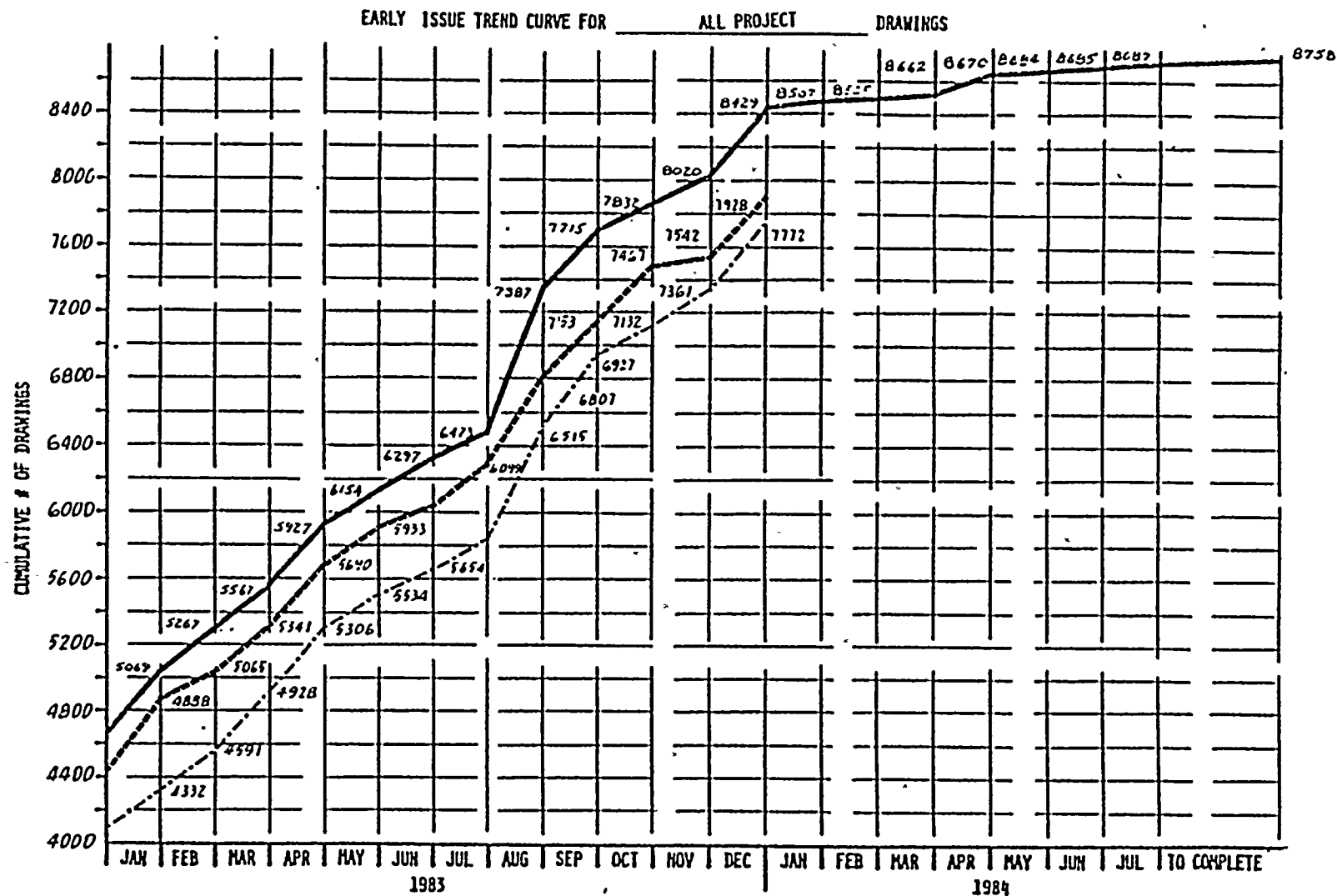
LEGEND

- SCHEDULED LATE ISSUE CURVE AS OF 1-9-84 DSR RUN
- - - - - TOTAL # DRAWINGS ISSUED FOR CONSTRUCTION OF THOSE SCHEDULED
- TOTAL # DRAWINGS ISSUED AT 90% FOR CONSTRUCTION OF THOSE SCHEDULED

STATUS AS OF 12-31-83

| | |
|--|---------------------|
|  STONE & WEBSTER GREAT HILL OPERATIONS CENTER | DRAWING TREND CURVE |
| NIAGARA MOHAWK POWER CORPORATION | C. F. WISNIETSKI |




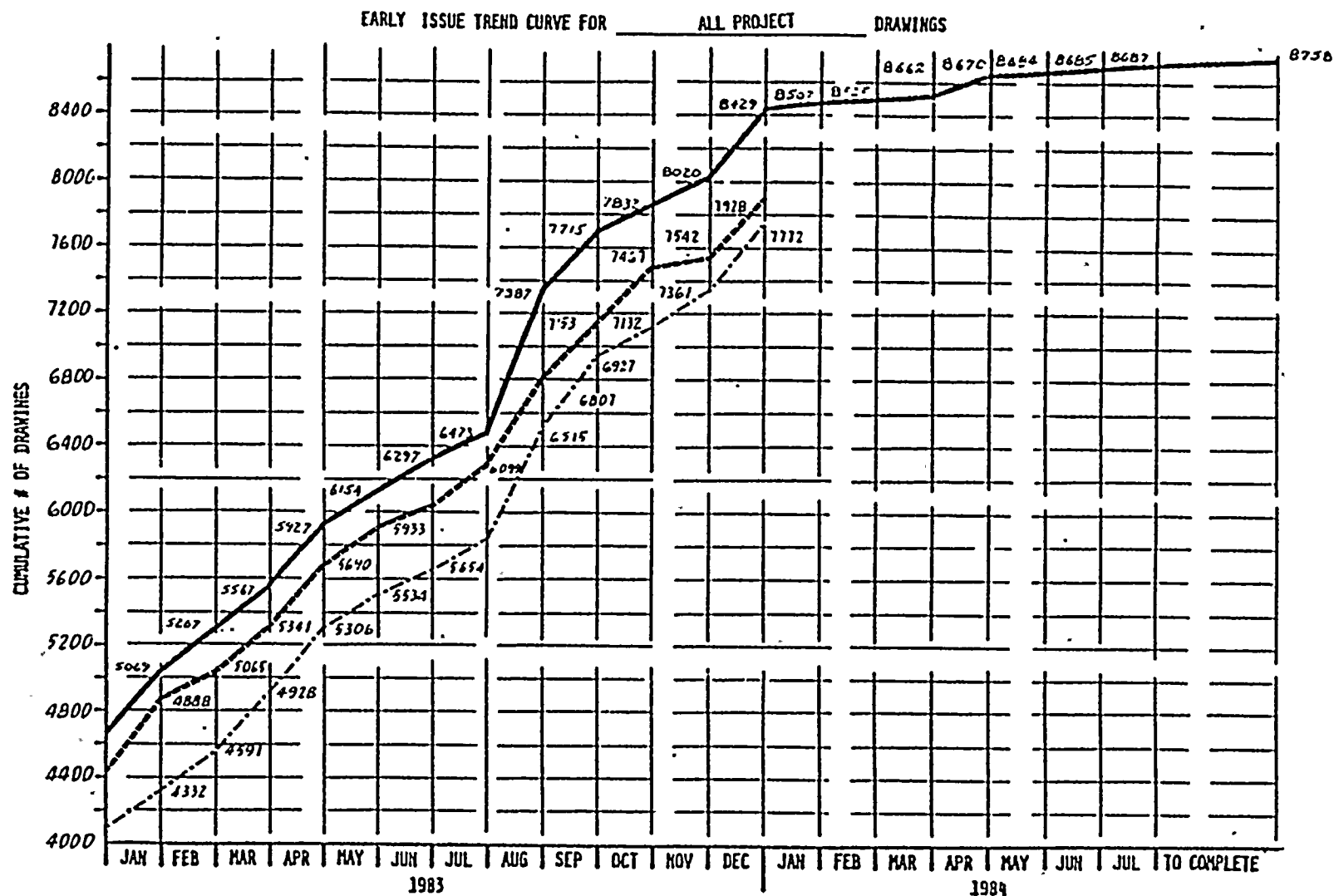


LEGEND

- SCHEDULED LATE ISSUE CURVE AS OF 1-9-84 DSR RUN
- TOTAL # DRAWINGS ISSUED FOR CONSTRUCTION OF THOSE SCHEDULED
- TOTAL # DRAWINGS ISSUED AT 90% FOR CONSTRUCTION OF THOSE SCHEDULED

STATUS AS OF 12-31-83

| | |
|---|----------------------------|
|  STONE & WEBSTER CHERRY HILL OPERATIONS CENTER | DRAWING TREND CURVE |
| NIAGARA MOHAWK POWER CORPORATION | C. P. WISNIEWSKI |



LEGEND

STATUS AS OF 12-31-83

- SCHEDULED LATE ISSUE CURVE AS OF 1-9-84 DSR RUN
- - - - - TOTAL # DRAWINGS ISSUED FOR CONSTRUCTION OF THOSE SCHEDULED
- TOTAL # DRAWINGS ISSUED AT 90% FOR CONSTRUCTION OF THOSE SCHEDULED



STONE & WEBSTER
DESIGN AND OPERATING ENGINEERS

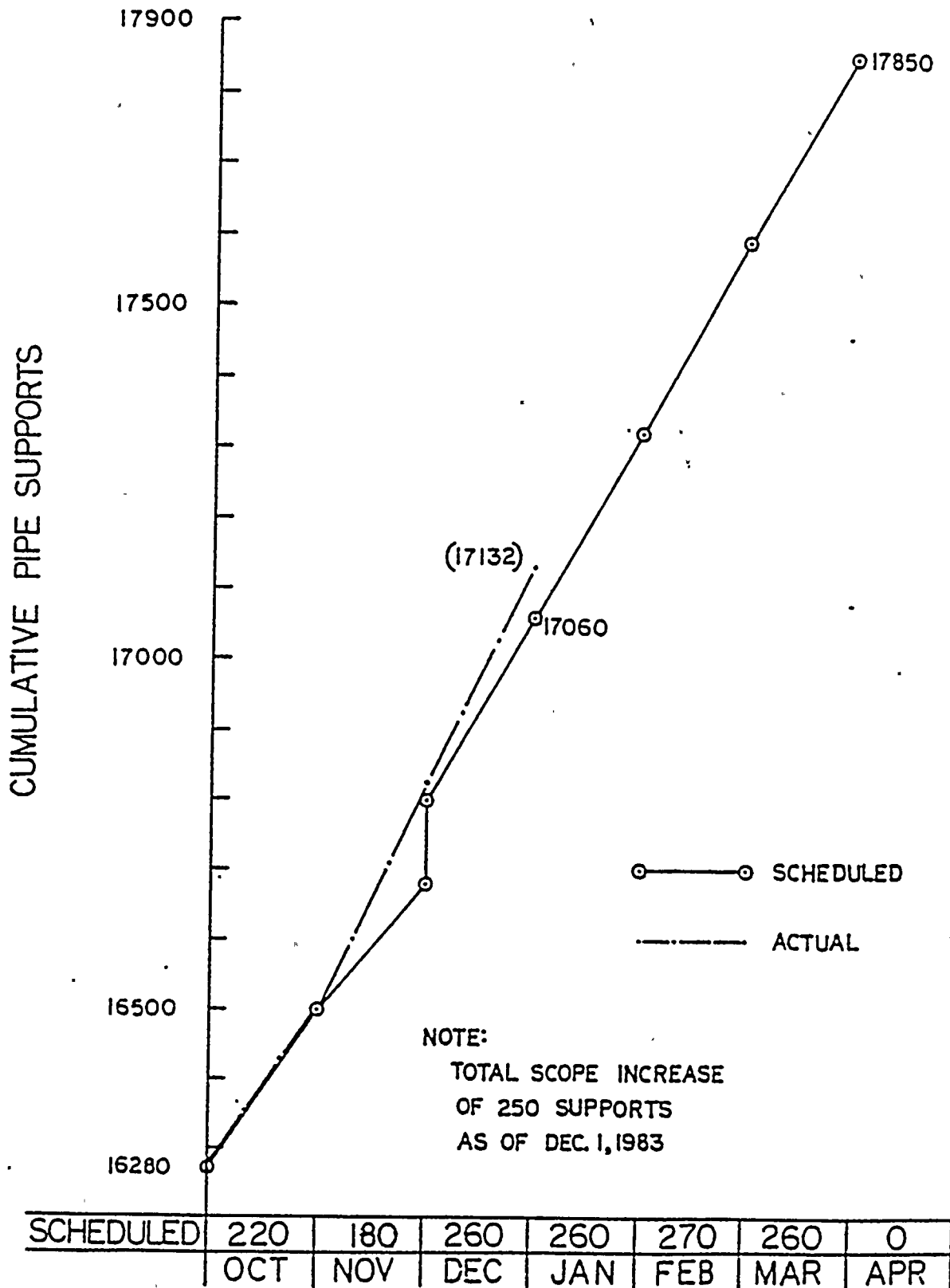
DRAWING TREND CURVE

NIAGARA MOHAWK POWER CORPORATION

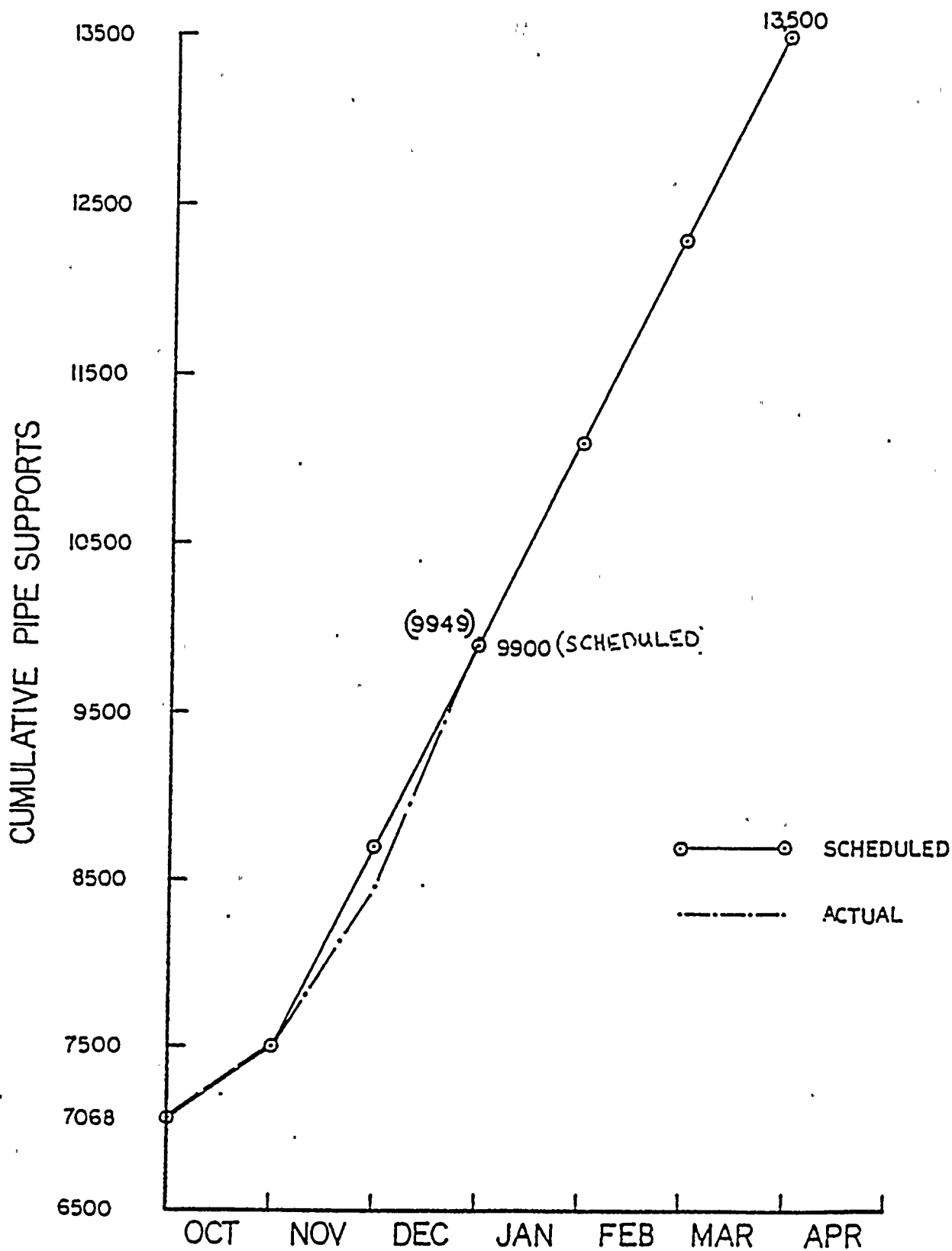
C. F. WISNIENSKI



1984 LARGE BORE PIPE SUPPORT DESIGN

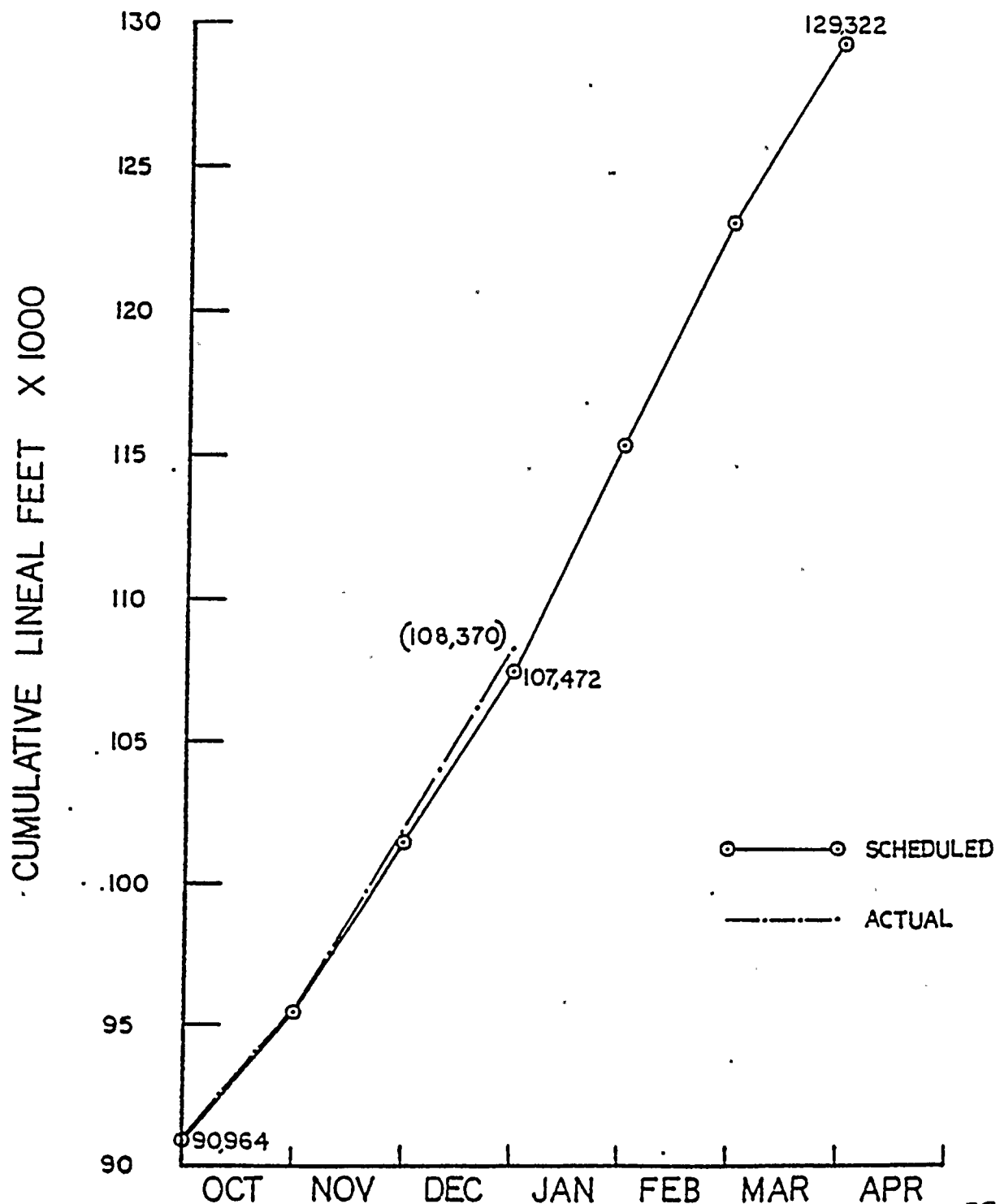


1984 SMALL BORE PIPE SUPPORT DESIGN



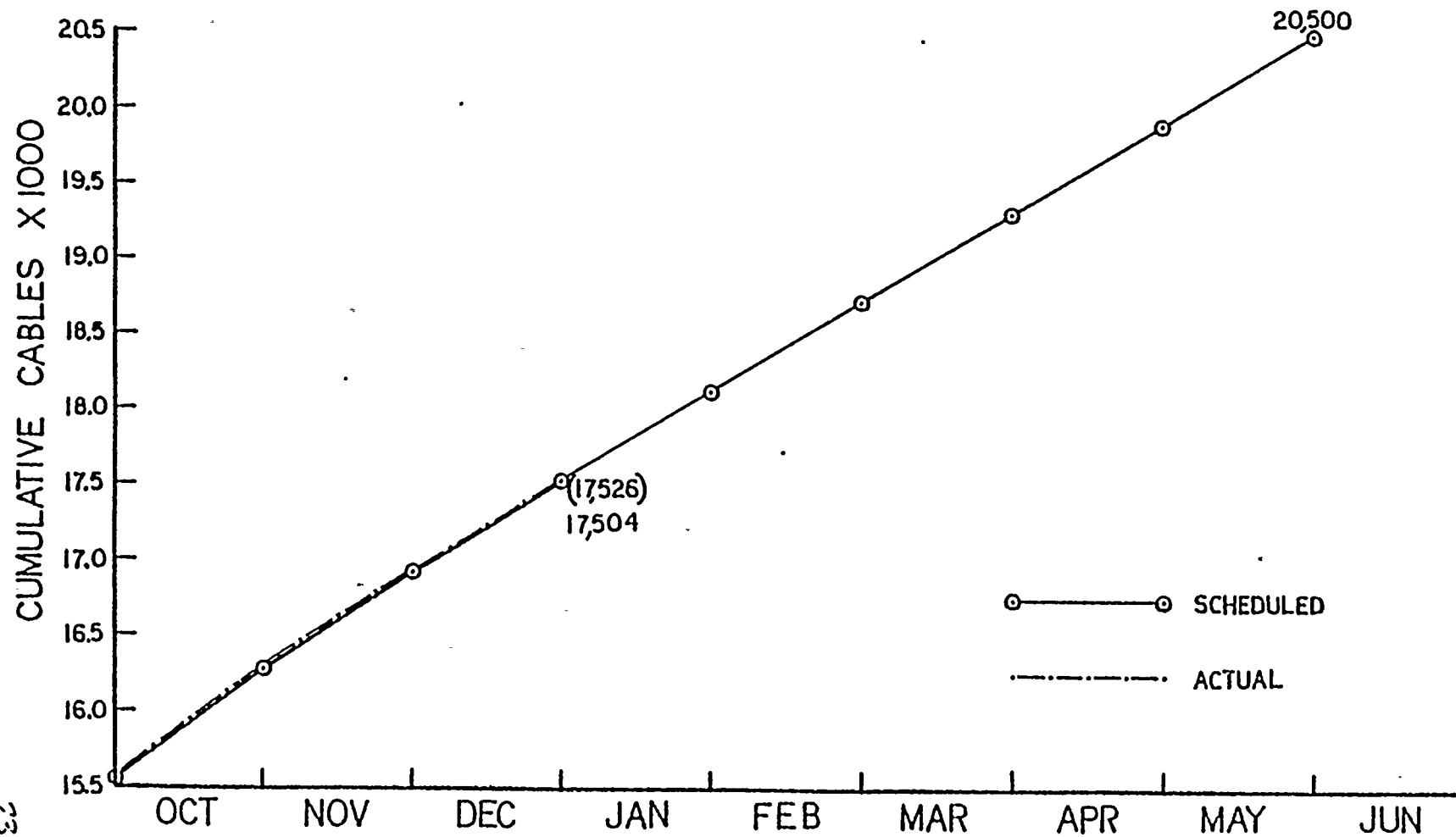


1984 SMALL BORE PIPE AND TUBING DESIGN



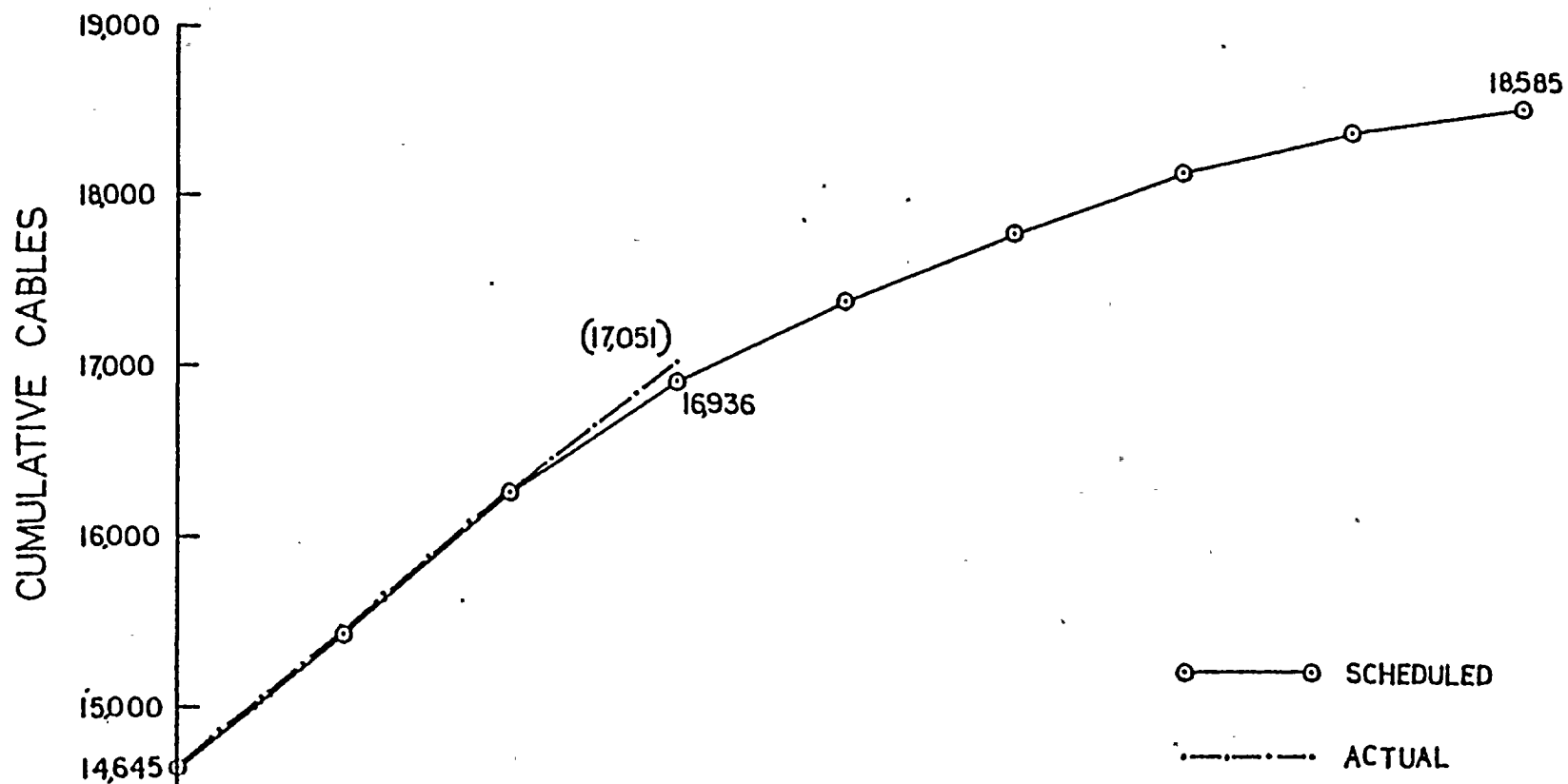


1984 CABLE ROUTING SCHEDULE





1984 CABLE TICKETING SCHEDULE



| SCHEDULED | 786 | 854 | 651 | 467 | 413 | 378 | 233 | 158 | 0 |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN |



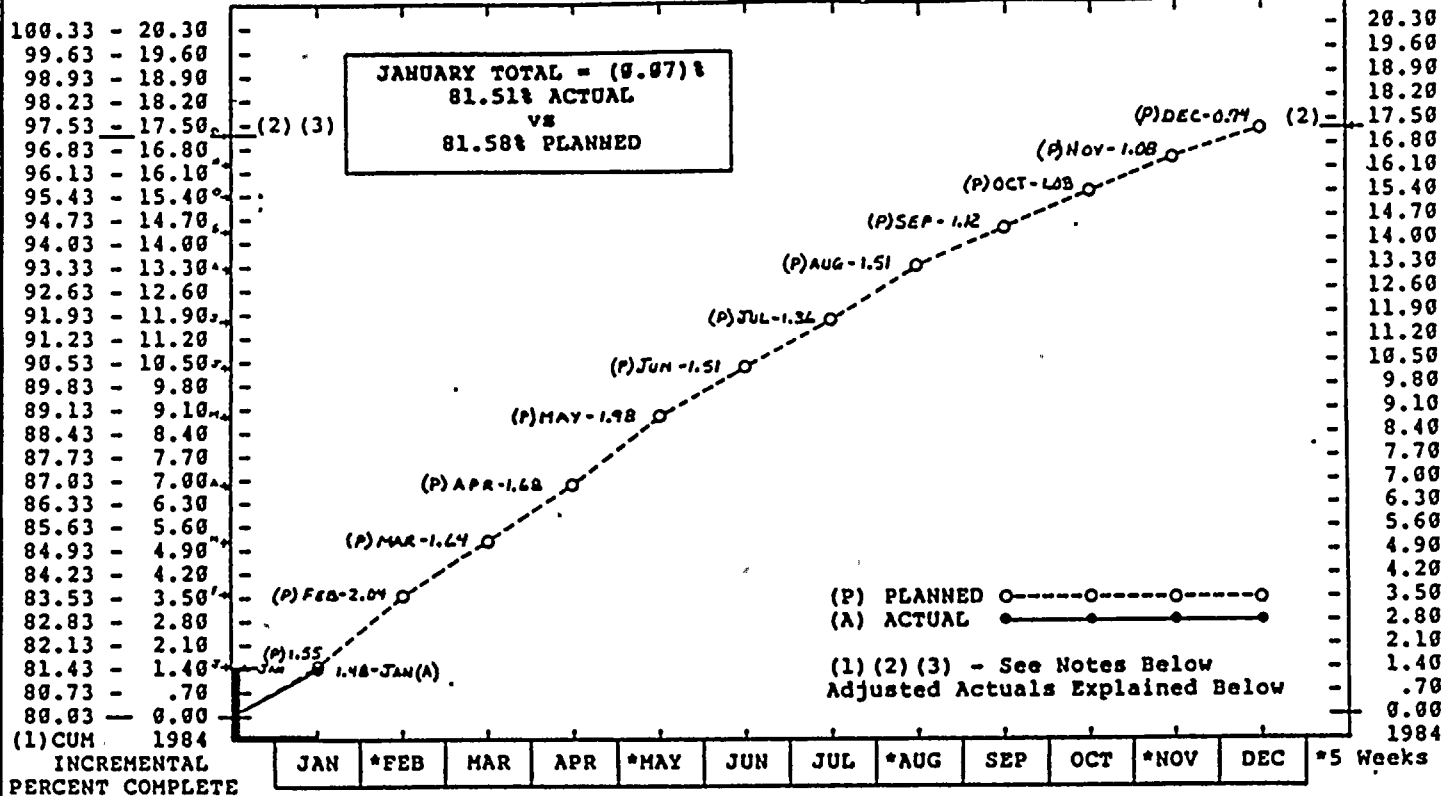
III. CONSTRUCTION

NINE MILE POINT - UNIT 2

RK840129-A

(1) 1983 CUM. PCT. = 80.03%
 (2) 1984 PLAN INCR. = 17.24%
 (3) 1984 PROJ. CUM. = 97.26%

1984 CONSTRUCTION PERCENT COMPLETE PLAN PROGRESS UPDATE - JANUARY 15, 1984



| TOTAL CONSTRUCTION | | 1984 PLAN | | 1984 EARNED DIRECTS | | 1984 EXPENDED (ACTUAL) | | 1984 EXPENDED (EFFECTIVE) | |
|--------------------|------------|-----------|------------|---------------------|---------|------------------------|----------|---------------------------|-----------|
| MONTH | DEC 1983 | INCR | 18,926,379 | INCR | VAR+(-) | 18,926,379 | VAR+(-) | 19,686,846 | VAR+(-) |
| (5 weeks) | (1) 80.03% | A) (1) | BCWS | C) (1) | (C-A) | D) BCWP | (D-B) | E) ACWP | (E-D) |
| JANUARY | CURRENT | 1.55 | 366,189 | 1.48 | (8.07) | 350,157 | (16,032) | 478,972 | (128,815) |
| | CUM 1984 | 1.55 | 366,189 | 1.48 | (8.07) | 350,157 | (16,032) | 478,972 | (128,815) |
| | CUM TOTAL | 81.58 | 19,292,568 | 81.51 | (8.07) | 19,276,536 | (16,032) | 20,165,818 | (889,282) |
| FEBRUARY | CURRENT | 2.04 | 483,491 | | | | | | |
| | CUM 1984 | 3.59 | 849,680 | | | | | | |
| | CUM TOTAL | 83.62 | 19,776,059 | | | | | | |
| MARCH | CURRENT | 1.64 | 387,865 | | | | | | |
| | CUM 1984 | 5.23 | 1,236,745 | | | | | | |
| | CUM TOTAL | 85.26 | 20,163,124 | | | | | | |
| APRIL | CURRENT | 1.62 | 398,123 | | | | | | |
| | CUM 1984 | 6.91 | 1,634,874 | | | | | | |
| | CUM TOTAL | 86.94 | 20,561,253 | | | | | | |
| MAY | CURRENT | 1.98 | 468,515 | | | | | | |
| | CUM 1984 | 8.89 | 2,103,389 | | | | | | |
| | CUM TOTAL | 88.92 | 21,029,768 | | | | | | |
| JUNE | CURRENT | 1.51 | 356,476 | | | | | | |
| | CUM 1984 | 10.40 | 2,459,865 | | | | | | |
| | CUM TOTAL | 90.43 | 21,386,244 | | | | | | |
| JULY | CURRENT | 1.36 | 321,382 | | | | | | |
| | CUM 1984 | 11.76 | 2,781,167 | | | | | | |
| | CUM TOTAL | 91.79 | 21,707,546 | | | | | | |
| AUGUST | CURRENT | 1.51 | 356,447 | | | | | | |
| | CUM 1984 | 13.27 | 3,137,614 | | | | | | |
| | CUM TOTAL | 93.29 | 22,064,193 | | | | | | |
| SEPTEMBER | CURRENT | 1.12 | 264,258 | | | | | | |
| | CUM 1984 | 14.39 | 3,402,112 | | | | | | |
| | CUM TOTAL | 94.41 | 22,328,491 | | | | | | |
| OCTOBER | CURRENT | 1.03 | 243,788 | | | | | | |
| | CUM 1984 | 15.42 | 3,645,812 | | | | | | |
| | CUM TOTAL | 95.44 | 22,572,191 | | | | | | |
| NOVEMBER | CURRENT | 1.08 | 256,466 | | | | | | |
| | CUM 1984 | 16.50 | 3,902,278 | | | | | | |
| | CUM TOTAL | 96.53 | 22,828,657 | | | | | | |
| DECEMBER | CURRENT | 0.74 | 174,844 | | | | | | |
| | CUM 1984 | 17.24 | 4,076,325 | | | | | | |
| | CUM TOTAL | 97.26 | 23,002,703 | | | | | | |

* CUMULATIVE ADJUSTMENTS:
 (1984 CUM & TOTAL CUM)

NOTE: Percent complete calculated using a base of 23,650,000 total estimate direct manhours.
 (1) 80.03 Cumulative percent complete based on 18,926,379 total earned direct manhours thru December 1983.
 (2) 17.24 Planned incremental percent complete based on 4,076,325 scheduled direct manhours for 1984.
 (3) 97.26 Projected cumulative percent complete based on 23,002,703 total scheduled direct manhours thru December 1984.



•• MAP 2 CONSTRUCTION PERCENT COMPLETE 1984 PLAN (REV2) ••

[illegible]

27-Jan-84

CONSTRUCTION PERCENT COMPLETE DATA

JANUARY 1984

| | CUMULATIVE | | | | | CURRENT PERIOD | | | |
|------------------|-------------------|-------------------|-------------------------|----------------|----------------------|-------------------|-------------------------|----------------|----------------------|
| | TOTAL ESTIMATE | SCHEDULED BCWP | SCHEDULED % COMPLETE | ACTUAL BCWP | ACTUAL % COMPLETE | SCHEDULED BCWP | SCHEDULED % COMPLETE | ACTUAL BCWP | ACTUAL % COMPLETE |
| DIRECTS + AFI | 23,650,000 | 19,292,568 | 81.58 | 19,276,536 | 81.51 | 366,189 | 1.55 | 350,157 | 1.48 |



MAN-HOUR REPORT
J. O. NO. 12187
NINE MILE POINT NUCLEAR STATION - UNIT 2
January 1984

| | | NON-MANUAL STRAIGHT TIME | NON-MANUAL OVERTIME | MANUAL STRAIGHT TIME | MANUAL OVERTIME | TOTAL HOURS FOR THE MONTH | TOTAL HOURS TO DATE | TOTAL MANUAL HOURS WORKED TO DATE |
|---|----|--------------------------------|------------------------|----------------------------|--------------------|------------------------------------|---------------------------|---|
| Stone & Webster & Boston Paid | | 112,919 | 14,927 | 135,628 | 15,088 | 278,562 | 10,123,999 | 4,959,528 |
| QA/QC | | 31,635 | 5,190 | 556 | 0 | 37,381 | 1,298,495 | 63,533 |
| Walsh Constr. | AE | 5,896 | 248 | 95,835 | 8,872 | 110,851 | 11,519,559 | 10,778,273 |
| ITT Grinnell - Piping | AP | 53,818 | 11,550 | 164,300 | 40,186 | 269,854 | 7,934,345 | 5,891,308 |
| L. K. Comstock | AT | 14,072 | 2,538 | 91,950 | 20,396 | 128,956 | 3,134,059 | 2,611,296 |
| Snyder & Mackin/Schaffer | MZ | 616 | 78 | 14,521 | 2,085 | 17,300 | 850,704 | 792,485 |
| Schneider Power | AW | 1,951 | 190 | 13,530 | 2,805 | 18,476 | 343,852 | 284,850 |
| Wiltzie | AI | 1,278 | 199 | 14,663 | 1,064 | 17,204 | 360,453 | 332,506 |
| Johnson Controls | AR | 6,392 | 1,322 | 13,356 | 1,588 | 22,658 | 352,769 | 200,934 |
| RCI | AN | 1,730 | 175 | 7,766 | 973 | 10,644 | 175,542 | 134,861 |
| G.E. | BN | 728 | 56 | 6,560 | 1,157 | 8,501 | 184,727 | 155,896 |
| Cives Corp. | BF | 204 | 26 | 3,540 | 0 | 3,770 | 482,984 | 416,675 |
| H. H. Robertson | CF | 0 | 0 | 1,986 | 0 | 1,986 | 56,933 | 55,813 |
| Zurn | HN | 320 | 0 | 448 | 0 | 768 | 372,913 | 317,139 |
| Central City Roofing | AH | 0 | 0 | 225 | 0 | 225 | 10,780 | 10,780 |
| Keasby | AQ | 0 | 0 | 346 | 0 | 346 | 2,879 | 2,334 |
| Genes Air Conditioning | UZ | 0 | 0 | 427 | 36 | 463 | 3,248 | 3,248 |
| Castaldo | AY | 160 | 0 | 1,170 | 0 | 1,330 | 17,771 | 17,251 |
| Cyclone Fence | DZ | 0 | 0 | 240 | 0 | 240 | 4,240 | 4,240 |
| Grinnell Fire Prot. Sys. (H ₂ O) | AX | 197 | 0 | 1,580 | 0 | 1,777 | 30,088 | 25,501 |
| Grinnell Fire Prot. Sys. (CO ₂) | BX | 123 | 0 | 986 | 0 | 1,109 | 8,554 | 7,383 |
| Davis Fetch | NH | 0 | 0 | 101 | 0 | 101 | 312 | 312 |
| Metal Cladding | EN | 0 | 0 | 651 | 0 | 651 | 17,756 | 14,580 |
| Inactive/Completed Contracts | | | | | | | 2,048,195 | 1,725,347 |
| Total of January 1984 | | 232,039 | 36,499 | 570,365 | 94,250 | 933,153 | | |
| Total through December 1983 | | 9,295,068 | 965,477 | 25,111,715 | 3,029,744 | 38,402,004 | | |
| Total through January 1984 | | 9,527,107 | 1,001,976 | 25,682,080 | 3,123,994 | 39,335,157 | 39,335,157 | 28,806,073 |

Excludes:

- 1) J.O. No. 12828
- 2) Hours paid not worked

Includes:

- 1) Backcharges

TOTAL PROJECT MAN-HOURS 1/1/83 ESTIMATE

| | |
|---------------------------------------|------------|
| Manual (includes AFI & contingencies) | 33,324,444 |
| SWEC Non-manual (excludes FQC) | 7,425,000 |



DIRECT PERFORMANCE BY CONTRACTOR
(PERCENT COMPLETE)
JANUARY 1984

| <u>CONTRACTOR</u> | <u>BCWS</u> | <u>BCWP</u> | <u>ACWP</u> | <u>ECWP</u> |
|-----------------------------|------------------------|------------------------------|---------------------------|----------------|
| AE WALSH CONSTRUCTION CO. | 21,280 | 28,984 | 29,702 | |
| AI WILTSIE CONSTRUCTION | 7,431 | 13,300 | 14,772 | |
| AP ITT GRINNELL I.P.I. | 132,386 | 78,618 | 181,105 | 166,309 |
| AR JOHNSON CONTROLS, INC. | 14,000 | 8,644 | 14,081 | |
| AT L.K.COMSTOCK COMPANY | 98,000 | 104,186 | 107,174 | |
| AW SCHNEIDER POWER CORP. | 12,642 | 14,400 | 16,082 | |
| MZ SNYDER & MACKIN/SCHAFFER | 1,451 | 2,700 | 3,698 | |
| -1 STONE & WEBSTER | 60,000 | 76,633 | 86,424 | |
| SUB-TOTALS | 347,190 | 327,465 | 453,038 | 438,242 |
| | | | | |
| AH CENTRAL CITY | 0 | 200 | 225 | |
| AJ STACK | 0 | 0 | 0 | |
| AK PLIMOTH FIREPROOFING | 648 | 0 | 0 | |
| AN REACTOR CONTROLS, INC. | 2,792 | 8,700 | 8,700 | |
| AQ INSULATION | 0 | 0 | 0 | |
| AX GRINNELL F.P.S. (WATER) | 487 | 1,499 | 1,581 | |
| BA TUSCARORA (PROT. DIKE) | 0 | 0 | 0 | |
| BF CIVES STEEL CORP. | 2,130 | 3,200 | 3,539 | |
| BM DOORS | 0 | 0 | 0 | |
| BN GENERAL ELECTRIC (T.G.) | 12,428 | 7,700 | 7,718 | |
| BQ MIR INSULATION | 0 | 0 | 0 | |
| BX GRINNELL F.P.S. (CO2) | 178 | 900 | 986 | |
| CB R.R. TRACK - PHASE III | 0 | 0 | 0 | |
| CF H.H.ROBERTSON | 0 | 65 | 1,985 | |
| CM PARTITIONS | 0 | 0 | 0 | |
| CX GRINNELL F.P.S. (HALON) | 0 | 0 | 0 | |
| DX FPW RADWASTE | 0 | 0 | 0 | |
| EM DOORS | 0 | 0 | 0 | |
| EN METAL CLADDING | 337 | 337 | 651 | |
| FM DOORS | 0 | 0 | 0 | |
| GE PHASE II CIVIL | 0 | 0 | 0 | |
| HE COOLING TOWER FLUME | 0 | 0 | 0 | |
| HM ELEVATORS | 0 | 0 | 0 | |
| HN ZURN INDUSTRIES | 0 | 0 | 448 | |
| LM FLOOR FINISHES | 0 | 0 | 0 | |
| NM ACOUSTICAL CEILINGS | 0 | 91 | 101 | |
| PM STEEL WALLS | 0 | 0 | 0 | |
| SN RADIATION SHIELDING | 0 | 0 | 0 | |
| SUB-TOTALS | 19,000 | 22,692 | 25,934 | 25,934 |
| | | | | |
| AFI | 0 | 0 | 0 | 0 |
| ADJUSTMENTS | 0 | 0 | 0 | 0 |
| TOTAL DIRECTS | 366,190 | 350,157 | 478,972 | 464,176 |
| | | | | |
| RATE RATIO | 1.3679 (ACTUAL) | | 1.3256 (EFFECTIVE) | |
| | | | | |
| PERCENT COMPLETE | 1.55 | 1.48 (95.62% OF PLAN) | | |

NOTE: PERCENT OF DISTRIBUTABLES TO TOTAL HOURS WORKED = 26.59

CUMULATIVE ADJUSTMENTS: NONE

26-Jan-84

TOTAL PROJECT 1984 PERFORMANCE DATA

JANUARY 1984

| | CUMULATIVE | | | | | | | CURRENT PERIOD | | | | |
|----------|--------------------|------------------|--------------------|----------------------|------------------|----------------------|---------------------------------|--------------------|------------------|------------------|----------------------|---------------------------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | 1/1/83 Estimate | Current MOD 1 | Schedule (BCWS) | ACWP ECWP | Earned (BCWP) | Schedule Variance | Budget Variance ACWP/ECWP | Schedule (BCWS) | ACWP ECWP | Earned (BCWP) | Schedule Variance | Budget Variance ACWP/ECWP |
| DIRECTS | 20795199 | 23579756 | 19292568 | 20165818 19692985 | 19276536 | -16032 | -889282 -416449 | 366189 | 478972 464177 | 350157 | -16032 | -128815 -114020 |
| DISTRIBS | 9105919 | 9847415 | 8126207 | 8401690 8333312 | 8125126 | -1081 | -276564 -208186 | 131803 | 176724 174990 | 130722 | -1081 | -46002 -44268 |
| OTHERS | 3510056 | 1641125 | 238565 | 238565 238565 | 238565 | 0 | 0 0 | 8918 | 8918 8918 | 8918 | 0 | 0 0 |
| TOTAL | 33411174 | 35068296 | 27657340 | 28806073 28264862 | 27640227 | -17113 | -1165846 -624635 | 506910 | 664614 648085 | 489797 | -17113 | -174817 -158288 |

* INCLUDES: COST SAVINGS
QUALITY CONTROL
ALLOWANCES
PRELIMINARY TEST
ADMIN. BUILDING
BACKCHARGES

ACWP = ACTUAL Cost of the Work Performed

ECWP = EFFECTIVE Cost of the Work Performed



L.K. COMSTOCK COMPANY - NMP2
1984 CONSTRUCTION PERCENT COMPLETE PLAN
PROGRESS UPDATE - JANUARY 15, 1984

| L.K. COMSTOCK COMPANY | | 1984 PLAN | | 1984 EARNED DIRECTS | | | | 1984 EXPENDED (ACTUAL) | | | 1984 EXPENDED (EFFECTIVE) | | |
|-----------------------|-------------------|------------|----------------|---------------------|---------|-----------|---------|------------------------|----------|--------|---------------------------|---------|--------|
| MONTH | DEC 1983 | INCR | 2,280,270 | INCR | VAR+(-) | 2,280,270 | VAR+(-) | 2,311,108 | VAR+(-) | A.R.R. | N/A | VAR+(-) | E.R.R. |
| + | (5 weeks) | (1) 66.10% | A) (1) B) BCWS | C) (1) | (C-A) | D) BCWP | (D-B) | E) ACWP | (D-E) | (E/D) | F) ECWP | (D-F) | (F/D) |
| JANUARY | CURRENT | 2.84 | 98,000 | 3.02 | 0.18 | 104,186 | 6,186 | 107,174 | (2,988) | 1.0287 | N/A | N/A | N/A |
| | CUM 1984 | 2.84 | 98,000 | 3.02 | 0.18 | 104,186 | 6,186 | 107,174 | (2,988) | 1.0287 | N/A | N/A | N/A |
| | CUM TOTAL | 68.94 | 2,378,270 | 69.12 | 0.18 | 2,384,456 | 6,186 | 2,418,282 | (33,826) | 1.0142 | N/A | N/A | N/A |
| + FEBRUARY | CURRENT | 3.71 | 128,000 | | | | | | | | | | |
| | CUM 1984 | 6.55 | 226,000 | | | | | | | | | | |
| | CUM TOTAL | 72.65 | 2,506,270 | | | | | | | | | | |
| MARCH | CURRENT | 2.96 | 102,000 | | | | | | | | | | |
| | CUM 1984 | 9.51 | 328,000 | | | | | | | | | | |
| | CUM TOTAL | 75.60 | 2,608,270 | | | | | | | | | | |
| APRIL | CURRENT | 2.93 | 101,000 | | | | | | | | | | |
| | CUM 1984 | 12.44 | 429,000 | | | | | | | | | | |
| | CUM TOTAL | 78.53 | 2,709,270 | | | | | | | | | | |
| + MAY | CURRENT | 3.51 | 121,000 | | | | | | | | | | |
| | CUM 1984 | 15.94 | 550,000 | | | | | | | | | | |
| | CUM TOTAL | 82.04 | 2,830,270 | | | | | | | | | | |
| JUNE | CURRENT | 2.61 | 90,000 | | | | | | | | | | |
| | CUM 1984 | 18.55 | 640,000 | | | | | | | | | | |
| | CUM TOTAL | 84.65 | 2,920,270 | | | | | | | | | | |
| JULY | CURRENT | 2.14 | 74,000 | | | | | | | | | | |
| | CUM 1984 | 20.70 | 714,000 | | | | | | | | | | |
| | CUM TOTAL | 86.79 | 2,994,270 | | | | | | | | | | |
| + AUGUST | CURRENT | 2.26 | 78,000 | | | | | | | | | | |
| | CUM 1984 | 22.96 | 792,000 | | | | | | | | | | |
| | CUM TOTAL | 89.05 | 3,072,270 | | | | | | | | | | |
| SEPTEMBER | CURRENT | 1.45 | 50,000 | | | | | | | | | | |
| | CUM 1984 | 24.41 | 842,000 | | | | | | | | | | |
| | CUM TOTAL | 90.50 | 3,122,270 | | | | | | | | | | |
| OCTOBER | CURRENT | 1.45 | 50,000 | | | | | | | | | | |
| | CUM 1984 | 25.86 | 892,000 | | | | | | | | | | |
| | CUM TOTAL | 91.95 | 3,172,270 | | | | | | | | | | |
| + NOVEMBER | CURRENT | 1.80 | 62,000 | | | | | | | | | | |
| | CUM 1984 | 27.65 | 954,000 | | | | | | | | | | |
| | CUM TOTAL | 93.75 | 3,234,270 | | | | | | | | | | |
| DECEMBER | CURRENT | 1.16 | 40,000 | | | | | | | | | | |
| | CUM 1984 | 28.81 | 994,000 | | | | | | | | | | |
| | (2) (3) CUM TOTAL | 94.91 | 3,274,270 | | | | | | | | | | |

* CUMULATIVE ADJUSTMENTS:
(1984 CUM & TOTAL CUM)

NOTE: Percent complete calculated using a base of 3,449,924 total estimate direct manhours.

- (1) 66.10 Cumulative percent complete based on 2,280,270 total earned direct manhours thru December 1983.
- (2) 28.81 Planned incremental percent complete based on 994,000 scheduled direct manhours for 1984.
- (3) 94.91 Projected cumulative percent complete based on 3,274,270 total scheduled direct manhours thru December 1984.

RK840125-B





26-Jan-84

1984 LKCONSTOCK WORK PLAN

JANUARY 1984

| CONTRACTOR | JAN.84 | FEB.84 | MAR.84 | APR.84 | MAY 84 | JUN.84 | JUL.84 | AUG.84 | SEP.84 | OCT.84 | NOV.84 | DEC.84 | TOTAL |
|---------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| LK CONSTOCK | | | | | | | | | | | | | 1984 |
| NON MANUAL | | | | | | | | | | | | | |
| HEADCOUNT P | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| HEADCOUNT A | 87 | | | | | | | | | | | | |
| MANUAL | | | | | | | | | | | | | |
| BCWS DIRECT P | 98000 | 128000 | 102000 | 101000 | 121000 | 90000 | 74000 | 78000 | 50000 | 50000 | 62000 | 40000 | 994000 |
| BCWP DIRECT A | 104186 | | | | | | | | | | | | 104186 |
| ACWP DIRECT A | 107174 | | | | | | | | | | | | 107174 |
| BCWS DIST P | 4500 | 5500 | 4500 | 4500 | 5500 | 4500 | 4500 | 5500 | 4500 | 4500 | 5500 | 4500 | 58000 |
| BCWP DIST A | 4444 | | | | | | | | | | | | 4444 |
| ACWP DIST A | 5484 | | | | | | | | | | | | 5484 |
| TOTAL BCWS P | 102500 | 133500 | 106500 | 105500 | 126500 | 94500 | 78500 | 83500 | 54500 | 54500 | 67500 | 44500 | 1052000 |
| TOTAL BCWP A | 108630 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 108630 |
| TOTAL ACWP A | 112658 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 112658 |
| CABLE PULL | | | | | | | | | | | | | |
| CABLE PULL P | 316618 | 429214 | 349339 | 353969 | 450991 | 362935 | 366319 | 452234 | 357156 | 356789 | 439192 | 343412 | 4578168 |
| CABLE PULL A | 241839 | | | | | | | | | | | | 241839 |
| RR | 1.31 | | | | | | | | | | | | |
| CABLE TERM | | | | | | | | | | | | | |
| CABLE TERM P | 9033 | 14867 | 12101 | 14290 | 19377 | 17774 | 21123 | 24187 | 15334 | 14550 | 16891 | 13013 | 192510 |
| CABLE TERM A | 11655 | | | | | | | | | | | | 11655 |
| RR | 1.41 | | | | | | | | | | | | |

5 WEEK MONTH

RR=RATE RATIO



ITT GRINNELL I.P.I. - NMP2

1984 CONSTRUCTION PERCENT COMPLETE PLAN

PROGRESS UPDATE - JANUARY 15, 1984

| ITT GRINNELL I.P.I. | | 1984 PLAN | | 1984 EARNED DIRECTS | | | | 1984 EXPENDED (ACTUAL) | | | 1984 EXPENDED (EFFECTIVE) | | |
|---------------------|------------|-----------|-----------|---------------------|---------|-----------|----------|------------------------|-----------|--------|---------------------------|-----------|--------|
| MONTH | DEC 1983 | INCR | 3,921,361 | INCR | VAR+(-) | 3,921,361 | VAR+(-) | 4,808,630 | VAR+(-) | A.R.R. | 4,350,592 | VAR+(-) | E.R.R. |
| + (5 weeks) | (1) 74.901 | A) (1) | B) BCWS | C) (1) | (C-A) | D) BCWP | (D-B) | E) ACWP | (D-E) | (E/D) | F) ECWP | (D-F) | (F/D) |
| | CURRENT | 2.53 | 132,386 | 1.50 | (1.03) | 78,618 | (53,768) | 181,105 | (102,487) | 2.3036 | 166,309 | (87,691) | 2.1154 |
| JANUARY | CUM 1984 | 2.53 | 132,386 | 1.50 | (1.03) | 78,618 | (53,768) | 181,105 | (102,487) | 2.3036 | 166,309 | (87,691) | 2.1154 |
| | CUM TOTAL | 77.43 | 4,053,747 | 76.40 | (1.03) | 3,999,979 | (53,768) | 4,989,734 | (989,755) | 1.2474 | 4,516,901 | (516,922) | 1.1292 |
| + FEBRUARY | CURRENT | 3.73 | 195,108 | | | | | | | | | | |
| | CUM 1984 | 6.26 | 327,494 | | | | | | | | | | |
| | CUM TOTAL | 81.16 | 4,248,855 | | | | | | | | | | |
| MARCH | CURRENT | 2.63 | 137,563 | | | | | | | | | | |
| | CUM 1984 | 8.88 | 465,057 | | | | | | | | | | |
| | CUM TOTAL | 83.78 | 4,386,418 | | | | | | | | | | |
| APRIL | CURRENT | 2.68 | 140,187 | | | | | | | | | | |
| | CUM 1984 | 11.56 | 605,244 | | | | | | | | | | |
| | CUM TOTAL | 86.46 | 4,526,605 | | | | | | | | | | |
| + MAY | CURRENT | 3.11 | 162,650 | | | | | | | | | | |
| | CUM 1984 | 14.67 | 767,894 | | | | | | | | | | |
| | CUM TOTAL | 89.57 | 4,689,255 | | | | | | | | | | |
| JUNE | CURRENT | 2.07 | 108,598 | | | | | | | | | | |
| | CUM 1984 | 16.74 | 876,492 | | | | | | | | | | |
| | CUM TOTAL | 91.64 | 4,797,853 | | | | | | | | | | |
| JULY | CURRENT | 1.81 | 94,772 | | | | | | | | | | |
| | CUM 1984 | 18.55 | 971,264 | | | | | | | | | | |
| | CUM TOTAL | 93.45 | 4,892,625 | | | | | | | | | | |
| + AUGUST | CURRENT | 2.02 | 105,768 | | | | | | | | | | |
| | CUM 1984 | 20.57 | 1,077,032 | | | | | | | | | | |
| | CUM TOTAL | 95.47 | 4,998,393 | | | | | | | | | | |
| SEPTEMBER | CURRENT | 1.33 | 69,473 | | | | | | | | | | |
| | CUM 1984 | 21.90 | 1,146,505 | | | | | | | | | | |
| | CUM TOTAL | 96.80 | 5,067,866 | | | | | | | | | | |
| OCTOBER | CURRENT | 0.98 | 51,475 | | | | | | | | | | |
| | CUM 1984 | 22.88 | 1,197,980 | | | | | | | | | | |
| | CUM TOTAL | 97.78 | 5,119,341 | | | | | | | | | | |
| + NOVEMBER | CURRENT | 0.87 | 45,553 | | | | | | | | | | |
| | CUM 1984 | 23.75 | 1,243,533 | | | | | | | | | | |
| | CUM TOTAL | 98.65 | 5,164,894 | | | | | | | | | | |
| DECEMBER | CURRENT | 0.37 | 19,184 | | | | | | | | | | |
| (2) (3) | CUM 1984 | 24.12 | 1,262,717 | | | | | | | | | | |
| | CUM TOTAL | 99.02 | 5,184,078 | | | | | | | | | | |

RK840125-C

* CUMULATIVE ADJUSTMENTS:
(1984 CUM & TOTAL CUM)

NOTE: Percent complete calculated using a base of 5,235,396 total estimate direct manhours.

- (1) 74.90 Cumulative percent complete based on 3,921,361 total earned direct manhours thru December 1983.
- (2) 24.12 Planned incremental percent complete based on 1,262,717 scheduled direct manhours for 1984.
- (3) 99.02 Projected cumulative percent complete based on 5,184,078 total scheduled direct manhours thru December 1984.

| CUMULATIVE | | | | | | | CURRENT PERIOD | | | | | |
|--------------------|------------------|--------------------|--------------|------------------|----------------------|---------------------------------|---------------------------|--------------|------------------|----------------------|---------------------------------|--|
| | | | | | | | EFFECTIVE FACTOR = 0.9183 | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| 1/1/83 Estimate | Current MOD 1 | Schedule (BCWS) | ACWP ECWP | Earned (BCWP) | Schedule Variance | Budget Variance ACWP/ECWP | Schedule (BCWS) | ACWP ECWP | Earned (BCWP) | Schedule Variance | Budget Variance ACWP/ECWP | |
| | | | 4,989,734 | | | (989,755) | | 181,105 | | | (102,487) | |
| DIRECTS:5,321,167 | 5,235,396 | 4,053,747 | | 3,999,979 | (53,768) | | 132,386 | | 78,618 | (53,768) | | |
| | | | 4,516,901 | | | (516,922) | | 166,309 | | | (87,691) | |
| | | | 820,618 | | | (149,757) | | 21,233 | | | (7,924) | |
| DISTRIB: 853,929 | 1,011,882 | 679,793 | | 670,861 | (8,932) | | 22,241 | | 13,309 | (8,932) | | |
| | | | 752,240 | | | (81,379) | | 19,499 | | | (6,190) | |
| | | | 5,810,352 | | | (1,139,512) | | 202,338 | | | (110,411) | |
| TOTAL 6,175,096 | 6,247,278 | 4,733,540 | | 4,670,840 | (62,700) | | 154,627 | | 91,927 | (62,700) | | |
| | | | 5,269,140 | | | (598,300) | | 185,807 | | | (93,890) | |

| CUMULATIVE | | | | | | | | | | CURRENT PERIOD | | | | |
|----------------------------|-------------------|-------------------|---------|------------------|-----------------|---------------|---------------|-----------|-----------|----------------|----------|-----------|---------------|---------------|
| (AP) | | | | | | | | Budget | Actual | | | Budget | | |
| KEY INDICATORS | Estimate Quantity | Estimate Manhours | Z Coopl | Planned Quantity | Actual Quantity | Budget (BCWP) | Actual (ACWP) | Unit Rate | Unit Rate | Rate Ratio | Curr Qty | Unit Rate | Actual (ACWP) | Earned (BCWP) |
| S.B. PIPING (6011-6091) LF | 124,395 | 252,359 | 75.07 | 98,393 | 92,509 | 189,438 | 226,326 | 2.047 | 2.446 | 1.19 | 2,189 | 2.678 | 10,003 | 5,863 |
| S.B. HANGERS (7033) EA | 21,038 | 371,593 | 43.90 | 10,785 | 10,556 | 163,111 | 225,543 | 15.45 | 21.36 | 1.38 | 394 | 14.18 | 17,583 | 5,587 |
| L.B. PIPING (6102-6342) LF | 232,775 | 898,574 | 88.94 | 205,395 | 202,965 | 799,181 | 848,866 | 3.937 | 4.182 | 1.06 | 2,141 | 3.350 | 22,438 | 7,174 |
| L.B. HANGERS (7031) EA | 18,375 | 1,301,217 | 67.22 | 13,143 | 12,798 | 874,661 | 1,306,838 | 68.34 | 102.1 | 1.49 | 226 | 72.34 | 61,454 | 16,350 |
| L.B. WELDS (7102-7342) EA | 21,692 | 369,257 | 85.66 | 19,820 | 19,332 | 316,311 | 435,368 | 16.36 | 22.52 | 1.38 | 495 | 14.78 | 14,236 | 7,321 |

25-Jan-84

1984 ITT GRINNELL WORK PLAN

| CONTRACTOR | JAN.84 | FEB.84 | MAR.84 | APR.84 | MAY 84 | JUN.84 | JUL.84 | AUG.84 | SEP.84 | OCT.84 | NOV.84 | DEC.84 | TOTAL |
|---------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| ITT GRINNELL | | | | | | | | | | | | | 1984 |
| NON MANUAL | | | | | | | | | | | | | |
| HEADCOUNT P | 350 | 350 | 350 | 350 | 350 | 350 | 300 | 300 | 300 | 300 | 300 | 300 | 325 |
| A | 358 | | | | | | | | | | | | |
| MANUAL | | | | | | | | | | | | | |
| BCWS DIRECT P | 132386 | 195108 | 137563 | 140187 | 162650 | 108598 | 94772 | 105768 | 69473 | 51475 | 45553 | 19184 | 1262717 |
| BCWP DIRECT A | 78618 | | | | | | | | | | | | 78618 |
| ECWP DIRECT A | 166309 | | | | | | | | | | | | 166309 |
| BCWS DIST P | 22241 | 32778 | 23111 | 23551 | 27325 | 18244 | 15922 | 17769 | 11671 | 8648 | 7653 | 3223 | 212136 |
| BCWP DIST A | 13309 | | | | | | | | | | | | 13309 |
| ECWP DIST A | 19499 | | | | | | | | | | | | 19499 |
| TOTAL BCWS P | 154627 | 227886 | 160674 | 163738 | 189975 | 126842 | 110694 | 123537 | 81144 | 60123 | 53206 | 22407 | 1474853 |
| TOTAL BCWP A | 91927 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 91927 |
| TOTAL ECWP A | 185807 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 185807 |
| L.B.PIPE P | 4445 | 5799 | 4251 | 3833 | 3320 | 1535 | 993 | 872 | 502 | 329 | 272 | 202 | 26353 |
| A | 2141 | | | | | | | | | | | | 2141 |
| ERR | 2.87 | | | | | | | | | | | | |
| L.B.HANGERS P | 479 | 615 | 497 | 499 | 609 | 453 | 434 | 510 | 337 | 297 | 321 | 175 | 5225 |
| A | 226 | | | | | | | | | | | | 226 |
| ERR | 3.45 | | | | | | | | | | | | |
| L.B.WELDS P | 891 | 1161 | 750 | 680 | 730 | 396 | 237 | 229 | 66 | 35 | 28 | 22 | 5225 |
| A | 495 | | | | | | | | | | | | 495 |
| ERR | 1.79 | | | | | | | | | | | | |
| S.B.PIPE P | 9661 | 12786 | 4862 | 3278 | 2869 | 1662 | 995 | 814 | 139 | 12 | 50 | 40 | 37169 |
| A | 2189 | | | | | | | | | | | | 2189 |
| ERR | 1.57 | | | | | | | | | | | | |
| S.B.HANGERS P | 590 | 770 | 643 | 658 | 781 | 494 | 400 | 456 | 272 | 235 | 229 | 106 | 5634 |
| A | 394 | | | | | | | | | | | | 394 |
| ERR | 2.89 | | | | | | | | | | | | |

45 WEEK MONTH

ECWP=EFFECTIVE COST OF WORK PERFORMED ERR=EFFECTIVE RATE RATIO



STONE & WEBSTER ENGRG. CORP. - NMP2

1984 CONSTRUCTION PERCENT COMPLETE PLAN

PROGRESS UPDATE - JANUARY 15, 1984

| STONE & WEBSTER ENGRG | | 1984 PLAN | | 1984 EARNED DIRECTS | | | | 1984 EXPENDED (ACTUAL) | | | 1984 EXPENDED (EFFECTIVE) | | |
|-----------------------|-----------|-----------|-----------|---------------------|---------|-----------|---------|------------------------|-----------|--------|---------------------------|---------|--------|
| MONTH | DEC 1983 | INCR | 1,721,723 | INCR | VAR+(-) | 1,721,723 | VAR+(-) | 1,828,611 | VAR+(-) | A.R.R. | N/A | VAR+(-) | E.R.R. |
| + (5 weeks) | (1)66.89 | A) (1) B) | BCWS | C) (1) | (C-A) | D) BCWP | (D-B) | E) ACWP | (D-E) | (E/D) | F) ECWP | (D-F) | (F/D) |
| JANUARY | CURRENT | 2.33 | 60,000 | 2.98 | 0.65 | 76,633 | 16,633 | 86,424 | (9,791) | 1.1278 | N/A | N/A | N/A |
| | CUM 1984 | 2.33 | 60,000 | 2.98 | 0.65 | 76,633 | 16,633 | 86,424 | (9,791) | 1.1278 | N/A | N/A | N/A |
| | CUM TOTAL | 69.22 | 1,781,723 | 69.87 | 0.65 | 1,798,356 | 16,633 | 1,915,035 | (116,679) | 1.0649 | N/A | N/A | N/A |
| + FEBRUARY | CURRENT | 3.54 | 91,000 | | | | | | | | | | |
| | CUM 1984 | 5.87 | 151,000 | | | | | | | | | | |
| | CUM TOTAL | 72.76 | 1,872,723 | | | | | | | | | | |
| MARCH | CURRENT | 3.23 | 83,200 | | | | | | | | | | |
| | CUM 1984 | 9.10 | 234,200 | | | | | | | | | | |
| | CUM TOTAL | 75.99 | 1,955,923 | | | | | | | | | | |
| APRIL | CURRENT | 3.02 | 77,659 | | | | | | | | | | |
| | CUM 1984 | 12.12 | 311,859 | | | | | | | | | | |
| | CUM TOTAL | 79.01 | 2,033,582 | | | | | | | | | | |
| + MAY | CURRENT | 3.09 | 79,573 | | | | | | | | | | |
| | CUM 1984 | 15.21 | 391,432 | | | | | | | | | | |
| | CUM TOTAL | 82.10 | 2,113,155 | | | | | | | | | | |
| JUNE | CURRENT | 2.47 | 63,692 | | | | | | | | | | |
| | CUM 1984 | 17.68 | 455,124 | | | | | | | | | | |
| | CUM TOTAL | 84.57 | 2,176,847 | | | | | | | | | | |
| JULY | CURRENT | 2.30 | 59,179 | | | | | | | | | | |
| | CUM 1984 | 19.98 | 514,303 | | | | | | | | | | |
| | CUM TOTAL | 86.87 | 2,236,026 | | | | | | | | | | |
| + AUGUST | CURRENT | 2.87 | 73,973 | | | | | | | | | | |
| | CUM 1984 | 22.86 | 588,276 | | | | | | | | | | |
| | CUM TOTAL | 89.75 | 2,309,999 | | | | | | | | | | |
| SEPTEMBER | CURRENT | 2.22 | 57,099 | | | | | | | | | | |
| | CUM 1984 | 25.07 | 645,375 | | | | | | | | | | |
| | CUM TOTAL | 91.96 | 2,367,098 | | | | | | | | | | |
| OCTOBER | CURRENT | 2.06 | 53,070 | | | | | | | | | | |
| | CUM 1984 | 27.14 | 698,445 | | | | | | | | | | |
| | CUM TOTAL | 94.03 | 2,420,168 | | | | | | | | | | |
| + NOVEMBER | CURRENT | 2.57 | 66,173 | | | | | | | | | | |
| | CUM 1984 | 29.71 | 764,618 | | | | | | | | | | |
| | CUM TOTAL | 96.60 | 2,486,341 | | | | | | | | | | |
| DECEMBER | CURRENT | 1.79 | 46,063 | | | | | | | | | | |
| (2) (3) | CUM 1984 | 31.50 | 810,681 | | | | | | | | | | |
| | CUM TOTAL | 98.39 | 2,532,404 | | | | | | | | | | |

RK840125-D

* CUMULATIVE ADJUSTMENTS:
(1984 CUM & TOTAL CUM)

NOTE: Percent complete calculated using a base of 2,573,919 total estimate direct manhours.

(1) 66.89 Cumulative percent complete based on 1,721,723 total earned direct manhours thru December 1983.

(2) 31.50 Planned incremental percent complete based on 810,681 scheduled direct manhours for 1984.

(3) 98.39 Projected cumulative percent complete based on 2,532,404 total scheduled direct manhours thru December 1984.



SWEC 1984 PERFORMANCE DATA

JANUARY 199

| | CUMULATIVE | | | | | | | CURRENT PERIOD | | | | |
|----------|--------------------|------------------|--------------------|------------------|------------------|----------------------|--------------------|--------------------|------------------|------------------|----------------------|--------------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | 1/1/83 Estimate | Current MOD 1 | Schedule (BCWS) | Actual (ACWP) | Earned (BCWP) | Schedule Variance | Budget Variance | Schedule (BCWS) | Actual (ACWP) | Earned (BCWP) | Schedule Variance | Budget Variance |
| DIRECTS | 1,197,664 | 2,573,919 | 1,781,723 | 1,915,035 | 1,798,356 | 16,633 | (116,679) | 60,000 | 86,424 | 76,633 | 16,633 | (9,791) |
| DISTRIBS | 3,273,132 | 3,344,775 | 2,926,429 | 2,991,608 | 2,935,838 | 9,409 | (55,770) | 40,000 | 56,779 | 49,409 | 9,409 | (7,370) |
| TOTAL | 4,470,796 | 5,918,694 | 4,708,152 | 4,906,643 | 4,734,194 | 26,042 | (172,449) | 100,000 | 143,203 | 126,042 | 26,042 | (17,161) |

| CUMULATIVE | | | | | | | | | | | CURRENT PERIOD | | | |
|----------------------------------|----------------------|----------------------|------------|---------------------|--------------------|------------------|------------------|------------------------|------------------------|---------------|---------------------|------------------------|------------------|------------------|
| KEY INDICATORS | (-1) | | | | | | | | | | | | | |
| | Estimate Quantity | Estimate Manhours | Z Coapl | Planned Quantity | Actual Quantity | Budget (BCWP) | Actual (ACWP) | Budget Unit Rate | Actual Unit Rate | Rate Ratio | Current Quantity | Budget Unit Rate | Actual (ACWP) | Earned (BCWP) |
| S.B. PIPING (6011-6091) LF | 64,342 | 167,351 | 16.28 | 12,596 | 11,027 | 27,242 | 58,424 | 2.470 | 5.298 | 2.145 | 2180 | 13.175 | 13,594 | 6,923 |
| S.B. HANGERS (7033) EA | 9,135 | 208,355 | 8.09 | 932 | 915 | 16,865 | 46,702 | 18.43 | 51.04 | 2.769 | 260 | 19.5 | 14,022 | 5,070 |



27-Jan-84

1984 SNEC MANUAL WORK PLAN

| MAIN JOB | | JAN.84 | FEB.84 | MAR.84 | APR.84 | MAY.84 | JUN.84 | JUL.84 | AUG.84 | SEP.84 | OCT.84 | NOV.84 | DEC.84 | TOTAL |
|---------------|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| MANUAL | | | | | | | | | | | | | | 1984 |
| BCMS DIRECTS | P | 60000 | 91000 | 83200 | 77659 | 79573 | 63692 | 59179 | 73973 | 57099 | 53070 | 66173 | 46053 | 810891 |
| BCMP DIRECTS | A | 76633 | | | | | | | | | | | | 76633 |
| ACMP DIRECTS | A | 85424 | | | | | | | | | | | | 85424 |
| BCMS DISTRIBS | P | 40000 | 50000 | 40000 | 40000 | 32856 | 26286 | 13963 | 17453 | 13963 | 13963 | 17453 | 13963 | 319900 |
| BCMP DISTRIBS | A | 49409 | | | | | | | | | | | | 49409 |
| ACMP DISTRIBS | A | 57779 | | | | | | | | | | | | 57779 |
| BCMS ADD SPT | P | 9405 | 14740 | 15312 | 15312 | 20460 | 19008 | 22176 | 34760 | 33440 | 35728 | 44440 | 35024 | 299805 |
| BCMP ADD SPT | A | 6419 | | | | | | | | | | | | 6419 |
| ACMP ADD SPT | A | 6419 | | | | | | | | | | | | 6419 |
| BCMS TOTAL | P | 109405 | 153740 | 138512 | 132971 | 132889 | 108986 | 95318 | 126186 | 104502 | 102761 | 128066 | 95050 | 1430385 |
| BCMP TOTAL | A | 132461 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 132461 |
| ACMP TOTAL | A | 150622 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150622 |
| S.B.PIPE | P | 2814 | 4315 | 5317 | 5895 | 7500 | 5908 | 5999 | 7413 | 4650 | 3488 | 3027 | 1036 | 57362 |
| | A | 2180 | | | | | | | | | | | | 2180 |
| | RR | 1.964 | | | | | | | | | | | | |
| S.B.HANGERS | P | 277 | 404 | 375 | 475 | 856 | 736 | 767 | 1027 | 829 | 826 | 1016 | 691 | 8279 |
| | A | 260 | | | | | | | | | | | | 260 |
| | RR | 2.766 | | | | | | | | | | | | |

5 WEEK MONTH

RR=RATE RATIO



JOHNSON CONTROLS, INC. - NMP2

1984 CONSTRUCTION PERCENT COMPLETE PLAN

PROGRESS UPDATE - JANUARY 15, 1984

| JOHNSON CONTROLS, INC | | 1984 PLAN | | 1984 EARNED DIRECTS | | | | 1984 EXPENDED (ACTUAL) | | | 1984 EXPENDED (EFFECTIVE) | | |
|-----------------------|------------|-----------|---------|---------------------|---------|---------|---------|------------------------|----------|--------|---------------------------|---------|--------|
| MONTH | DEC 1983 | INCR | 144,074 | INCR | VAR+(-) | 144,074 | VAR+(-) | 172,051 | VAR+(-) | A.R.R. | N/A | VAR+(-) | E.R.R. |
| + (5 weeks) | (1) 25.58% | A) (1) | B) BCWS | C) (1) | (C-A) | D) BCWP | (D-B) | E) ACHP | (D-E) | (E/D) | F) ECHP | (D-F) | (F/D) |
| JANUARY | CURRENT | 2.48 | 14,000 | 1.53 | (0.95) | 8,644 | (5,356) | 14,081 | (5,437) | 1.6290 | N/A | N/A | N/A |
| | CUM 1984 | 2.48 | 14,000 | 1.53 | (0.95) | 8,644 | (5,356) | 14,081 | (5,437) | 1.6290 | N/A | N/A | N/A |
| | CUM TOTAL | 28.06 | 158,074 | 27.11 | (0.95) | 152,718 | (5,356) | 186,132 | (33,414) | 1.2188 | N/A | N/A | N/A |
| + FEBRUARY | CURRENT | 4.08 | 23,000 | | | | | | | | | | |
| | CUM 1984 | 6.57 | 37,000 | | | | | | | | | | |
| | CUM TOTAL | 32.15 | 181,074 | | | | | | | | | | |
| MARCH | CURRENT | 3.73 | 21,000 | | | | | | | | | | |
| | CUM 1984 | 10.30 | 58,000 | | | | | | | | | | |
| | CUM TOTAL | 35.88 | 202,074 | | | | | | | | | | |
| APRIL | CURRENT | 4.08 | 23,000 | | | | | | | | | | |
| | CUM 1984 | 14.38 | 81,000 | | | | | | | | | | |
| | CUM TOTAL | 39.96 | 225,074 | | | | | | | | | | |
| + MAY | CURRENT | 6.04 | 34,000 | | | | | | | | | | |
| | CUM 1984 | 20.42 | 115,000 | | | | | | | | | | |
| | CUM TOTAL | 46.00 | 259,074 | | | | | | | | | | |
| JUNE | CURRENT | 5.27 | 29,700 | | | | | | | | | | |
| | CUM 1984 | 25.69 | 144,700 | | | | | | | | | | |
| | CUM TOTAL | 51.27 | 288,774 | | | | | | | | | | |
| JULY | CURRENT | 5.38 | 30,300 | | | | | | | | | | |
| | CUM 1984 | 31.07 | 175,000 | | | | | | | | | | |
| | CUM TOTAL | 56.65 | 319,074 | | | | | | | | | | |
| + AUGUST | CURRENT | 6.71 | 37,800 | | | | | | | | | | |
| | CUM 1984 | 37.78 | 212,800 | | | | | | | | | | |
| | CUM TOTAL | 63.36 | 356,874 | | | | | | | | | | |
| SEPTEMBER | CURRENT | 4.97 | 28,000 | | | | | | | | | | |
| | CUM 1984 | 42.75 | 240,800 | | | | | | | | | | |
| | CUM TOTAL | 68.33 | 384,874 | | | | | | | | | | |
| OCTOBER | CURRENT | 4.97 | 28,000 | | | | | | | | | | |
| | CUM 1984 | 47.72 | 268,800 | | | | | | | | | | |
| | CUM TOTAL | 73.30 | 412,874 | | | | | | | | | | |
| + NOVEMBER | CURRENT | 6.30 | 35,500 | | | | | | | | | | |
| | CUM 1984 | 54.03 | 304,300 | | | | | | | | | | |
| | CUM TOTAL | 79.61 | 448,374 | | | | | | | | | | |
| DECEMBER | CURRENT | 4.97 | 28,000 | | | | | | | | | | |
| (2) (3) | CUM 1984 | 59.00 | 332,300 | | | | | | | | | | |
| | CUM TOTAL | 84.58 | 476,374 | | | | | | | | | | |

RK840125-E

* CUMULATIVE ADJUSTMENTS:
(1984 CUM & TOTAL CUM)

NOTE: Percent complete calculated using a base of 563,234 total estimate direct manhours.

- (1) 25.58 Cumulative percent complete based on 144,074 total earned direct manhours thru December 1983.
- (2) 59.00 Planned incremental percent complete based on 332,300 scheduled direct manhours for 1984.
- (3) 84.58 Projected cumulative percent complete based on 476,374 total scheduled direct manhours thru December 1984.

JOHNSON CONTROLS 1984 PERFORMANCE DATA

JANUARY 1984

| CUMULATIVE | | | | | | | CURRENT PERIOD | | | | | |
|------------|--------------------|------------------|--------------------|------------------|------------------|----------------------|--------------------|--------------------|------------------|------------------|----------------------|--------------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | 1/1/83 Estimate | Current MOD 1 | Schedule (BCWS) | Actual (ACWP) | Earned (BCWP) | Schedule Variance | Budget Variance | Schedule (BCWS) | Actual (ACWP) | Earned (BCWP) | Schedule Variance | Budget Variance |
| DIRECTS | 468,670 | 563,324 | 158,074 | 186,132 | 152,718 | (5,356) | (33,414) | 14,000 | 14,081 | 8,644 | (5,356) | (5,437) |
| DISTRIBS | 44,995 | 23,000 | 14,969 | 14,802 | 14,631 | (338) | (171) | 1,078 | 862 | 740 | (338) | (122) |
| TOTAL | 513,665 | 586,324 | 173,043 | 200,934 | 167,349 | (5,694) | (33,585) | 15,078 | 14,943 | 9,384 | (5,694) | (5,559) |

| CUMULATIVE | | | | | | | CURRENT PERIOD | | | | | | | |
|---|----------------------|----------------------|------------|---------------------|--------------------|------------------|------------------|------------------------|------------------------|---------------|----------------|------------------------|------------------|------------------|
| (ARI) | | | | | | | | | | | | | | |
| KEY INDICATORS | Estimate Quantity | Estimate Manhours | Z Coapl | Planned Quantity | Actual Quantity | Budget (BCWP) | Actual (ACWP) | Budget Unit Rate | Actual Unit Rate | Rate Ratio | Current Qty | Budget Unit Rate | Actual (ACWP) | Earned (BCWP) |
| CU & SS TUBING (3391-3394, 3396-3399) (LF) | 247,000 | 242,586 | 37.74 | 83,854 | 81,673 | 91,543 | 86,262 | 1.120 | 1.056 | 0.942 | 3,365 | 1.636 | 3,004 | * 5,507 |
| SEISMIC SPPTS. (3395) (EA) | 7,000 | 182,000 | 22.71 | 1,637 | 1,590 | 41,340 | 68,229 | 26.00 | 42.91 | 1.650 | 143 | 26.00 | 7,504 | 3,718 |

* INCLUDES ADJUSTMENT
FOR DECEMBER ≈ 2800 BCWP

JANUARY 1984

[illegible]

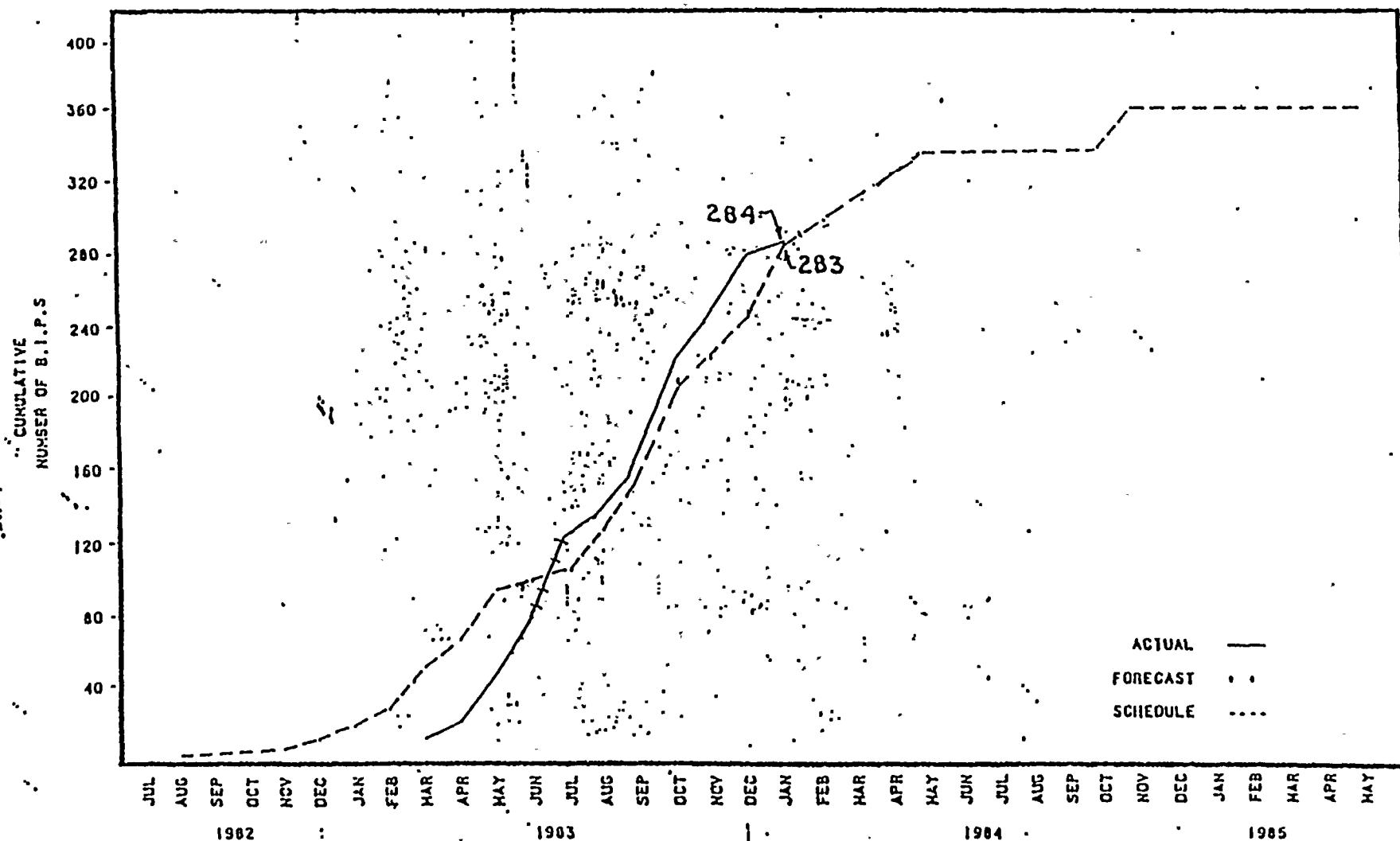
IV. SYSTEM STARTUP AND TEST

SYSTEM STARTUP AND TEST STATUS

Startup received four system turnovers during December 1983, bringing the total number of turnovers to 13. Six more turnovers were scheduled for January 1984 although issuance of the related Equipment Release Reports was delayed. Although delays in some of these systems have no immediate impact on the critical path of the startup schedule, they do condense several activities into time frames which are already activity intensive. This could result in future needs for manpower in excess of available levels, or schedule delays in affected systems.

1: 11 MONTH SCOPE REVIEW MEETINGS

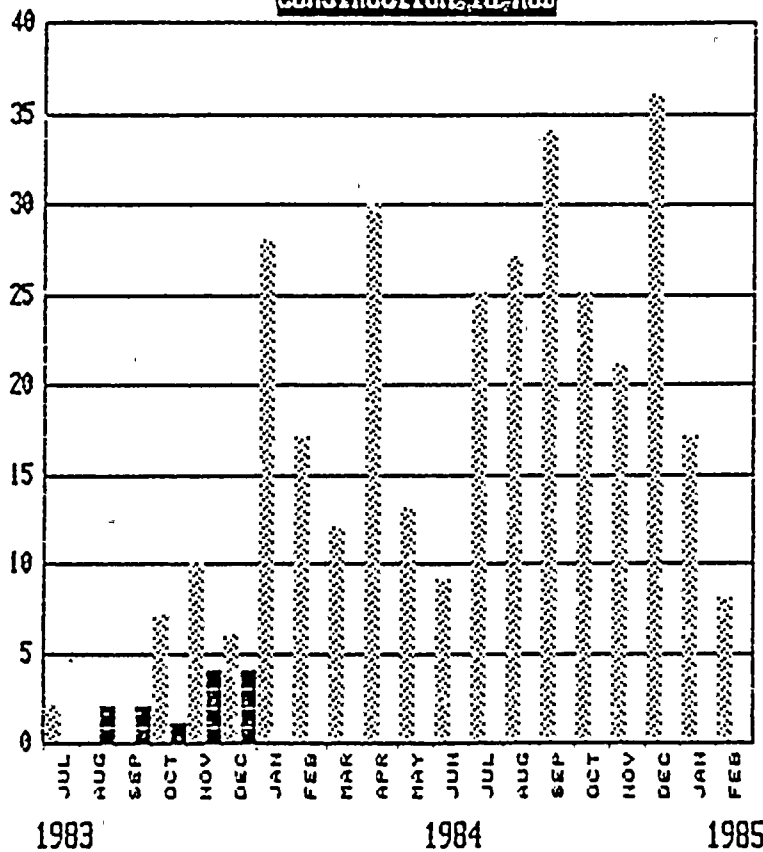
AS OF JAN 25, 1984



1/15/84

TURNOVER **CONSTRUCTION TO ROW**

TURNOVER
CONSTRUCTION TO ROW



LEGEND:

- TURNOVER (SCHED)
- TURNOVER (ACT)

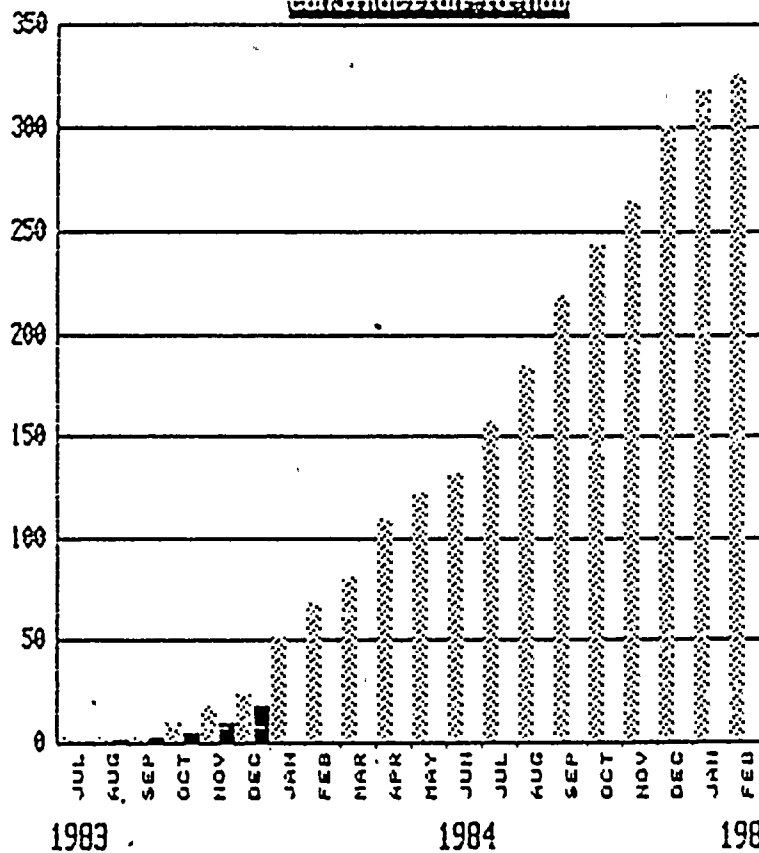
NOTES:

1. VALUES BASED ON STARTUP TEST LEVEL II NETWORK (4/11/83)
2. ACTUAL VALUES BASED ON SIGNATURE DATE OF EPR
3. INFORMATION CURRENT AS OF 12/31/83

12/31/83

TURNOVER CONSTRUCTION TO ADD

TURNOVER
CONSTRUCTION TO ADD



LEGEND:

- TURNOVER (SCHED)
- TURNOVER (ACT)

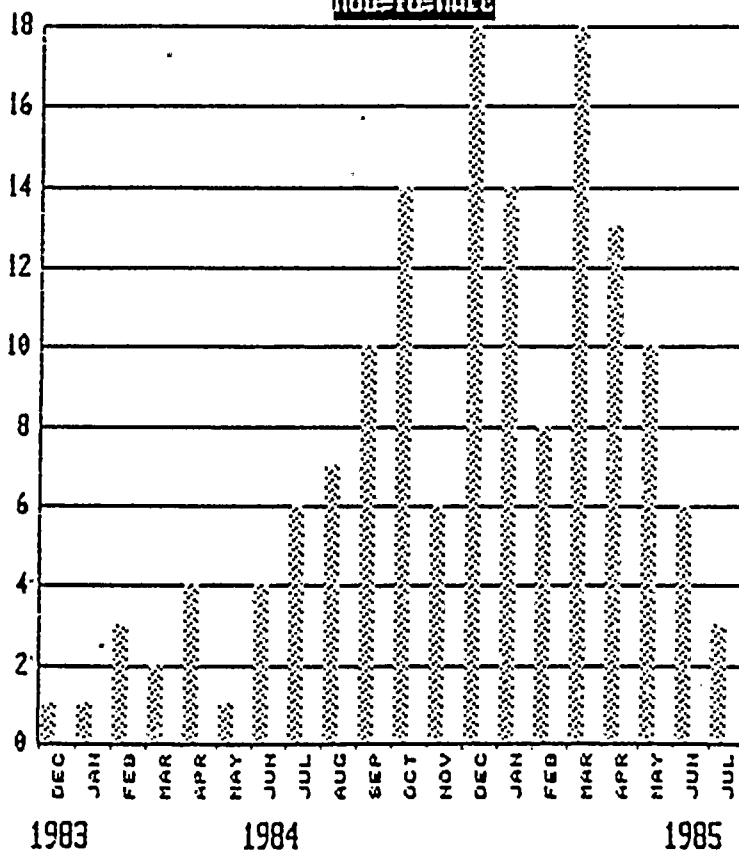
NOTES:

1. TURNOVER(SCHED) BASED ON LEVEL II STARTUP SCHEDULE
2. TURNOVER(ACT) BASED ON SIGNATURE DATE OF EIR
3. INFORMATION CURRENT AS OF 12/31/83
4. INFORMATION BASED ON 11AFR83 ACCELERATED STARTUP SCHEDULE

1/15/84

TURNOVER ROUTE TO NDC

CONFIDENTIAL



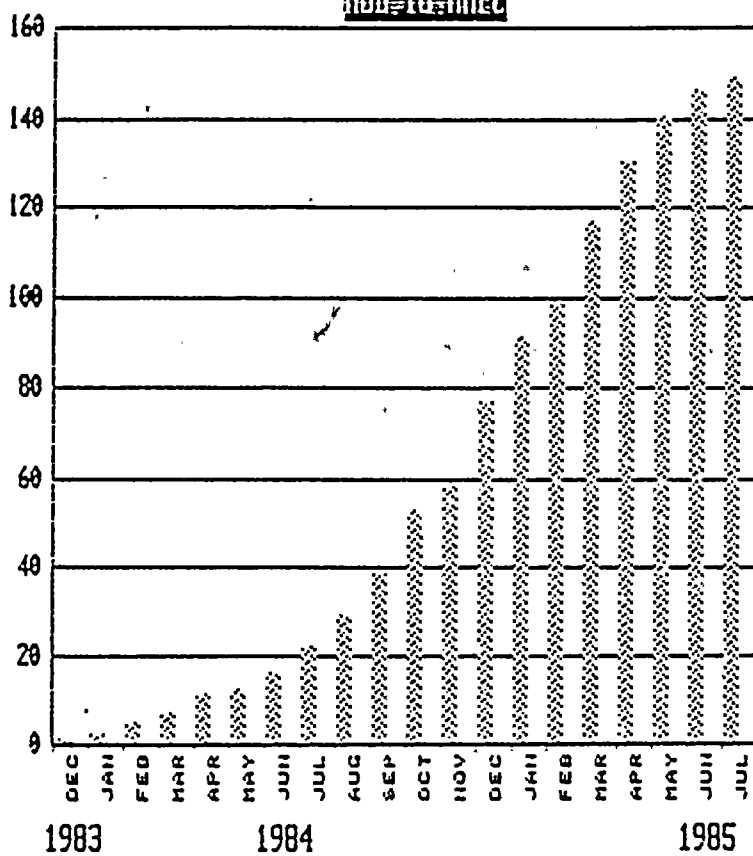
LEGEND:
 ■ TURNOVER (SCHED)
 ■ TURNOVER (ACT)

NOTES:
 1. VALUES BASED ON STARTUP TEST
 LEVEL II NETWORK (4/11/83)
 2. INFORMATION CURRENT AS OF
 12/31/83
 3. AS OF 12/31/83 THERE WERE NO
 TURNS TO HPC

12/31/83

TURNOVER ADJ-TUE-NMEL

STARTUP SCHEDULE
CLASSTIME



LEGEND:

- TURNOVER (SCHED)
- TURNOVER (ACT)

NOTES:

1. TURNOVER(SCHED) BASED ON LEVEL II STARTUP SCHEDULE
2. INFORMATION CURRENT AS OF 12/31/83
3. INFORMATION BASED ON 11/4/83 ACCELERATED STARTUP SCHEDULE