

BELLEFONTE NUCLEAR PLANT

C20 86 02 11660

BIWEEKLY PROGRESS REPORT AND ANALYSIS PREPARED BY PROJECT CONTROL SECTION

JANUARY 24, 1986 THROUGH FEBRUARY 6, 1986

C. Abbott, BLN
K. Coppage, BLN
W. Davis, BLN
B. Harrison, BLN
M. Howe, BLN
A. McWhorter, BLN
A. Nesbitt, BLN
D. Peoples, BLN
L. Poe, BLN
J. Porch, BLN (4)
D. Shelton, BLN
T. Slayton, BLN
J. Woodis, BLN (3)

E. Bennich, EEU, BLN
J. Freeman, EEU, BLN (2)
J. French, STCU, BLN (5)
J. McCollum, IEU, BLN (2)
JMS, MR4N72A-C

E. Condon, 1765 CST2-C
D. Cowser, 12-111 SB-K
F. Gilbert, 9-165 SB-K
B. Hixson, 6204 MIB-K
J. Hoesly, 9-113 SB-K(9)

F. Moses, MEU, BLN (2)

D. Smith, WEU, BLN

J. Barnes, QA, BLN

I. Green, B&W, BLN
J. Pearson, B&W, BLN

B. Betsch, HEU, BLN
T. Brothers, HEU, BLN
M. Morgan, HEU, BLN
R. Norris, CEU, BLN

J. Blackburn, QMO, BLN
D. Bridges, QMO, BLN
H. Johnson, QMO, BLN
S. Johnson, QMO, BLN
D. Nixon, MTI, BLN
M. Richardson, OC(IEU), BLN

R. Hudson, 420 CUBB-C
D. Jividen, 11-102 SB-K
F. Laurent, 9-164 SB-K
G. Mauldin, 9-131 SB-K

A. Qualls, ONP, BLN
B. Worthy, ONP, BLN

J. York, ONP, NRC

M. Lamb, BLN
D. Liles, BLN

R. Young, BLN
M. Rudolphi, ONP, BLN

L. Cox, BLN
G. McNutt, 9-166, SB-K

J. Darling, ONP, BLN
BLN PMO, 9-169 SB-K

E. Deason, OE, BLN
P. Mercer, OE, BLN
G. Weis, OE, BLN

R. Pedde, 12-112 SB-K
J. Preslar, 9-181 SB-K
T. Simpson, 9-153 SB-K

PROJECT PROGRESS OVERVIEW
THROUGH 02/06/86

F6300R.R

	TOTAL PROJECT	UNIT 1	UNIT 2	BALANCE OF PLANT	INDIRECTS	CONTINGENCY	REIM- BURSABLES
Estimated Man-Hours	70,228,684	35,947,928	12,439,362	623,859	19,503,872	1,713,663	1,288,957
BECA Changes	0	-1,069	+49	0	0	+1,020	+100
Period Actual M/Hrs	41,501	28,133	686	0	12,680		904
Men Per Day	519	352	9	0	158		1
Percent of Total	100	67.8	1.7	0.0	30.5		
M/H Expended to Date	52,796,603	31,312,588	7,222,502	154,279	14,107,233		976,910
Percent Scheduled	73.0	83.4	56.9	22.6			
Percent Complete	74.6	86.3	57.7	24.0			
Biweekly Percent Change	+0.1	+0.1	+0.1	0.0			
(NOTE: An average of 17 men/day were reported to maintenance of permanent features this period.)							
T&L Personnel (Ave.): On Board	589	Absent	63	Activities: Sched to start:	14	Of the 7 that did not start, 0 were restrained by OE.	
Last Per. 6.31 %	This Per. 10.70	Change	+4.39	Started:	7		
Flushes: Sched to start:	None	Started:	None	Sched to Complete:	11	Of the 3 that did not finish, 1 was restrained by OE.	
				Completed:	8		
Sched to complete:	RFF4X	Completed:	RFF4X	Outstanding Work Items:	(1)		
In progress:	None			Required Completion Rate:	2		
				Completed This Period:	0		
				8 Week Average:	2		
WT & Transfers: This Period		Next 16 Weeks		Items Completed to Date:	263		
Sched to start:	None	6(a)		Items Remaining:	428		
Started:	None	NA		(1) Includes Work Plans			
Sched. to comp:	None	6		(a) RGWIR,TCWIR,CGWIR,RTWIR,CVWIR,TMW6R			
Completed:	None	NA					
In Progress:	MMWFR						

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	QUANTIFIED WORK	ECN'S	GENERAL RESERVES	PROBABLE MAN-HOUR INCREMENT	DESCRIPTION OF CHANGE
UNIT 1	-1,069		+1,069		Changes due to minor revisions to quantities and/or manhours by engineering.
UNIT 2	+49		-49		Changes due to minor revisions to quantities by engineering.
BALANCE OF PLANT	0		0		
TOTAL PROJECT	-1,020		+1,020		

PROGRESS REPORT AND ANALYSIS

FOR

24 JAN 1986 THROUGH 06 FEB 1986

MATERIAL STATUS - ELECTRICAL

E-1 Motor End Bell - 793507 - Westinghouse Electric Corp., Chattanooga, TN - OC Activity VKEL, E.F. 08/14/86 - Performance Date: 10/28/85

Emergency requisition 793507 was issued on 05/22/85 with a "Date Wanted" date of 05/31/85. The contract was awarded on 06/04/85 with a contract performance date of 10/28/85. Both end bells, items 1 and 2, were received on 10/28/85. However, during installation in late November, the front end bell, item 1, was found to be damaged. The bearing race had two 1/16" indentations 180 degrees apart. This caused metal in the race to rise adjacent to the dents and interfere with bearing operation. OSorD #A232637 was written on 12/04/85 to reject the front end bell. NCR 4623 was initiated on 12/16/85. A memo dated 1/15/86 from the Project Manager, Lonnie Cox, to the Purchasing Agent, Mike Cook, requesting return shipping instructions from W was initiated. The PA was requested by PC on 01/21/86 to obtain the shipping instructions by telephone. An investigation was begun on 01/28/86 per the request of the Westinghouse representative in Chattanooga to the possibility of making the repair onsite. Lane McCollum, IEU, has vetoed this approach and wants the end bell returned to the W factory in Buffalo. As of 02/11/86, TVA is still waiting for return shipping instructions from W Chattanooga.

MATERIAL STATUS - INSTRUMENTATION

I-1 Recorders - 835641 - Nutherm International, Inc., Mt. Vernon, IL - OC Activity NCJ2

Twelve recorders added by ECN 1870 issued 07/05/83 and ECN 3006 issued 08/31/83. Requisition was dated 07/10/84 and contract awarded 10/01/84 for 10 with a contract performance date of 12/24/84. Change of Contract #1 dated 01/23/85 added 2 recorders with a contract performance date of 05/30/85. All twelve recorders were scheduled to ship by 12/27/85. This shipment did not take place as promised. The vendor was short three scales. Expediting Services was told by the vendor that these recorders did ship on 01/24/86, and received on 01/29/86. However, the chart paper for these recorders will not be shipped until 02/28/86.

I-2 Instruments - 86243-1 - York Electropanel - OC Activities: Various

Change of Contract 117 for purchasing additional equipment was released 09/13/85. The vendor expects to take 12 to 14 weeks to deliver this material which is 01/06/86. Items #3915, 4009-2, and 4009-3 were received on 02/07/86. Item 4009-1 was scheduled for 01/31/86. This date has slipped. York does not expect to receive these items from Foxboro until 02/17/86. TVA inspection is also expected next week and shipment to take place on 02/21/86.

MATERIAL STATUS - INSTRUMENTATION (Continued)

- I-3 Differential Pressure Transmitters - 838121 - Not Awarded - OC Activity: VKJ2, E.S. 8/28/86 - Performance Date: N/A

These nine transmitters were ordered on requisition 838121 dated 11/18/85 for the VA and VK systems per ECN 3276. On 12/24/85 the request for quotes was published in the Commerce Business Daily for 30 days. Therefore, contract award probably will not be before 03/01/86 due to OE's requirement to review the bids.

- I-4 Damper Actuators - 838111 - Leinarts, Inc., Knoxville, TN - OC Activity VCJ41, E.S. 04/02/86 - Performance Date: 02/11/86

This contract is for four electric motor damper actuators for the Auxiliary Building vent fans. The requisition was released on 09/23/85 and the contract awarded on 12/13/85. Contact with the vendor on 01/15/86 indicated that they should have no problem meeting the 02/11/86 performance date, however, because Leinarts did not receive the contract document until 01/07/86, they could not improve upon it. Leinarts did improve on this delivery as shipment was made on 02/04/86.

MATERIAL STATUS - MECHANICAL

- M-1 Pump - 834018 - Goulds Pumps, Inc., Atlanta, GA - OC Activity No. YQJ3, Contract Performance Date: 5/16/84

The stainless steel, horizontal centrifugal pump is for the Post Accident Sampling Waste Drain Tank. It is part of ECN 894 which was issued 09/29/80. The requisition was released 7/21/83 and the contract awarded 2/23/84. Another motor change has been made by OE from the special single phase motor to the original more standard Reliance three phase motor. This pump still has not shipped from Seneca Falls, N.Y. The vendor reports that the TVA inspection has been completed successfully, but there is still one drawing requested by OE to be received. The vendor and Project Control will contact OE to expedite this review to get this long overdue pump (two years) shipped. Contact with D. Heltibrand, MEB, indicated that OE will not hold up shipment of this pump for the desired drawing. The TVA inspector (Pittsburg Office) was notified late last week to release this pump for shipment. The inspector is scheduled to visit the factory on Tuesday, 01/28/86. This inspection did take place as scheduled and was satisfactorily completed. The pump was shipped on Thursday, 01/30/86, and received onsite on 02/04/86. This contract is complete, finally.

- M-2 Tendon Surveillance Program Equipment - 829118 - VSL Corp., Campbell, CA - OC Activity No. RBX21 - E.F. 01/26/88 - Contract Performance Date: 5/01/84

This Tendon Surveillance Program Equipment and Access Platforms are for the Reactor Buildings. The material was bought for ECN 774, issued 10/03/79. The requisition was released 06/21/81 and the contract awarded on 11/16/82. All guide rails have been received. The dome platform for Unit 1 was received onsite on 7/01/85. The fourth shipment of the balance of this material was received on 01/06/86. Engineering and the Warehouse Services Unit is determining if the contract is now complete. It has been determined that several hundred hi-strength bolts are still due. VSL has been notified and will advise.

MATERIAL STATUS - MECHANICAL (Continued)

- M-3 Pump Retrofit - 86133 - Bingham-Williamette Co., Portland, Oregon - OC Activity
No. CRDA - Contract Performance Date: 09/14/84

This design change to upgrade the auxiliary feedwater pumps to meet the requirements of 10 CFR part 21 is covered in the contract by Change of Contract No. 13. Three sets of elements for the turbine drive pumps were received 06/21/85. The balance of five elements were shipped on 10/08/85 and received onsite on 10/17/85. The possibility of additional material for CC #13 still outstanding is being investigated. The additional equipment is, 1 each, Speed Trip Sensor, which is scheduled to ship 01/31/86. This date has slipped to 02/21/86; B-W expects a late delivery from the manufacturer.

- M-4 Fire Dampers - 837010 - Enviro Air, Kennesaw, GA - OC Activity: VSPl, E.F.
01/31/86 - Contract Performance Date: 01/18/86

These fire dampers are for ECNs 1958 (10/14/83), 1961 (09/15/83), and 1962 (09/15/83) for the O&SB. The vendor has stated that he made a mistake in agreeing to the performance date (01/18/86). He did not allow time for drawing review by OE. Delivery should have stated "56 days after drawing approval" instead of "56 days after award". Drawing approval was sent to the manufacturer, Ruskin in Parsons, Kansas, on 12/31/85. Therefore, delivery to the site is expected by 03/07/86. However, the vendor has stated that he expects to ship by 02/14/86. Considering the supplier's, Ruskin, past performance, the 03/07/86 date may be closer to reality.

- M-5 Fire Damper Spring Kits - 837278 - Am. Warming & Vent., Maumee, OH - OC
Activity: VAM4, E.F. 02/21/86 - Contract Performance Date: 01/10/86

These negator closure spring kits for HVAC system fire dampers were purchased for ECN 2945 (06/08/84). The requisition was released 02/06/85 and the contract awarded on 11/08/85. The contract performance date was 01/10/86. A delivery status still has not been obtained from AW&V.

- M-6 Fusible Link Kits - 836725 - Ruskin Manufacturing Div., Grandview, MO - OC
Activity VAM4 - E.F. 02/21/86 - Performance Date: 01/17/86

These 63 fusible link kits are for HVAC system fire dampers bought on contracts -820434-3 and -824332-2 and are part of the material for completion of ECN 2945 released 06/08/84. Requisition 836725 was issued on 11/07/84 with a "Date Wanted" date of 02/04/85. Problems with the supplier, Ruskin, in regards to the operating temperature of the fusible links delayed award until 12/06/85. Items 11 and 12 have been deleted from the contract, 02/06/86. Ruskin expects to ship the contract complete on Friday, 02/14/86.

- M-7 Flexible Metal Hose - 838414 - Metal Bellows Corp., Moorpark, CA - OC Activity:
Various - Performance Date: 4/11/86

This emergency requisition for 400 flexible hoses was issued on 10/08/85 with a "Date Wanted" date of 12/02/85. The contract was awarded on 12/20/85 with a contract performance date of 04/11/86.

MATERIAL STATUS - MECHANICAL (Continued)

M-8 Valve Seats - Procurement Request No. BM 109 Not Awarded OC Activity KEM9
E.F. 06/04/86 - Performance Date: N/A

MEB has contacted the manufacturer of the valves to be repaired, BIF, for their supplier information for these valve seats. BIF is no longer a nuclear supplier. They did not renew their "N" stamp and, therefore, cannot be contracted to supply these items. MEB at report time, Tuesday, 02/11/86, was still waiting a reply from BIF with source information.

M-9 Hex Nuts - 86283 - Lakeside Bridge & Steel Co., Milwaukee, WI - OC Activity NCR 3456 - Promise Date: 02/15/86

NCR 3456 was initiated on 09/12/84 for 11 defective heavy hex nuts in the NC system. These hex nuts are identified as 3 1/2" 4UNC-2B heavy hex nuts, TVA mark number 1RN0430-X2-10-13 and Lakeside mark number 9116-11-03-08. These nuts were returned to Southern Bolt Mfg., Shreveport, LA, the manufacturer, in late 1984 and determined as non-repairable and scrapped. A promised ship date of 2/15/86 was obtained by PC on 12/05/85.

MATERIAL STATUS - VALVES

V-1 Valves - 86163-2 - Rockwell - Various OC Activities

TVA's quote acceptance was sent to Rockwell on 01/14/86. TVA is now waiting on a shipping schedule for the valves listed below:

<u>Item</u>	<u>Mark No.</u>	<u>Qty.</u>	<u>OC Act.</u>	<u>Sched. Date</u>
1450	7KW0506-KE-541	4	KEM9	EF 06/16/86
1451	7KW0506-KE-539	4	KEM9	EF 06/16/86

Richard Hudson, Expediting Services, is expediting to maintain or improve a mutually agreed upon date of 04/16/86.

V-2 Valves - 838485 - Crosby - OC Activities: Various

<u>Item</u>	<u>Qty.</u>	<u>Mark No.</u>
19	3	3BW0456-KC-908 (repair) - Shipped to Crosby <u>06/07/85</u> on Shipping Ticket # <u>G286747</u>

Item 19 valves were received at Crosby on 06/17/85. The contract was awarded to Crosby on 12/02/85 with a contract performance date of 02/03/86. The repair and test procedure was sent to OE for review and approval on 01/02/86. It was received in Knoxville 01/10/86. The estimated ship date is 4 - 6 weeks after procedure approval. OE reports that the letter of procedure approval went to Crosby on 02/07/86.

MATERIAL STATUS - VALVES (Continued)

V-3 Valves - 821518-1 - Xomox Corp. - OC Activity - Various

<u>Item</u>	<u>Qty.</u>	<u>Mark No.</u>
1449	8	7KW0506-KE-540

These valves were added to the contract by CC #25 dated 12/02/85. Xomox wanted more money for the seismic data review. TVA has informed Xomox that TVA will do this review and to release these valves to production. The drawings were submitted to TVA by Xomox on 02/07/86. OE has promised a fast turn-around and to give drawing approval by Telex by 02/14/86. Vendor promises to ship 6 - 8 weeks after dwg. approval. Valves not likely to be onsite before 4/01/86.

V-4 Valves - 836970-2 - The Wong Co., Roslyn Hts., N.Y. - OC Activity: RFMQ, E.F. 08/15/88 - Contract Performance Date: See Below

This contract is to obtain valves for the turbine building from ECNs 2176 (9/15/83), 2187 (8/12/83) and 2836 (1/20/84). The requisition was dated 12/19/84 and the contract awarded on 05/15/85. Date wanted per the requisition was 03/22/85. The contract performance dates are for Schedule II, 06/05/85 and for Schedule III 05/29/85. All 18 2" valves for item #3, all 100 1" valves for item #4, and all 60 1/2" valves for item #5 were received on site on 06/24/85. The only problem now with this contract is the 60 valves for item #5 do not have "UL" stamp. Change of Contract #1 authorized a substitution, from Globe to Ball, for item #5. The performance date for CC #1 was 01/08/86. Item #5 was received 01/17/86. However, since the warehouse and PC did not have a copy of CC#1, the valves were very close to being returned to the vendor. Richard Hudson, Expediting Services, brought the warehouse a copy of CC #1 on Thursday, 01/30/86. This contract is complete.

V-5 Valves - 837053 - Velan Valve Corp., Williston, VT

CR System valves, 3BW0420-CR-220, added by ECN 2016 issued 09/15/83. Requisition, dated 01/08/85, received by purchasing agent 02/04/85. The contract was awarded to Velan on 05/07/85 with a performance date of 08/13/85. The drawings were submitted by Velan to OE on 6/14/85 for review. TVA (OE) has requested a second drawing review to check the center of gravity of these valves. The revised drawings were sent to TVA by Courier from Velan and OE promises prompt turn-around. Also to be reviewed is the seismic report. Final approval of the seismic report and other paperwork was submitted to Velan in a letter from OE dated 12/23/85. These valves were shipped on 01/22/86, and received onsite on 01/29/86. This contract is complete.

MATERIAL STATUS - VALVES (Continued)

V-6 Valves - 837272-1 - Jay Instruments Inc., Knoxville, TN

These valves are for various systems and were added by ECN 1500 issued 02/25/83, ECN 1951 issued 11/14/83, ECN 1961 issued 09/15/83 and ECN 2187 issued 08/12/83. The requisition is dated 01/29/85. Schedules I (item 1), II (item 2), V (items 10 & 11) are complete. The performance date of Schedule VII was 10/17/85. Items 14 & 15 were not shipped as reported by the vendor. Item #14 was shipped to the site on 01/24/86 and item #15 did ship on 01/14/86. Item #15 was received on 01/16/86. Item #14 was received 02/03/86. This contract is complete.

V-7 Control Valves - 836106-2 - Atwood & Morrill Co., Salem, MA - OC Activity No.: WDM6, E.S. 07/03/91 - Contract Performance Date: 5/02/85

This contract was awarded on 12/18/84 to purchase valves for ECN 1500 issued 02/25/83. The basic contract of eight items (85 valves) was amended by Change of Contract No. 1 (4/15/85) to add item #9 (2 valves). The performance date of CC#1 is 06/24/85. All of these valves have been received except item 5, one each control valve. However, items 4 and 6 have outstanding OSord's. Item #5 and the missing parts for items 4 and 6 were shipped on 11/14/85. The components for items 4 and 6 were received without problems and the OSord's cleared. However, item 5, 2 1/2" control valve, was OSord'd due to no COC and incorrect tags (4). Atwood & Morrill has requested that the item 5 valve be returned to their factory. It was returned on 01/13/86, shipping ticket #G299702. A&M has given a promise date of 02/28/86 for shipping items back to the site. Also, item 9, two plug valves, was OSord'd for missing wrenches and unauthorized signature on COC. A&M has responded to OE in regards to these two problems. They will not provide wrenches as they say that they are not needed and they have sent a new name for QA representative on the COC for OE approval.

V-8 Valves - 837958 - Control Center, Inc., Knoxville, TN - OC Activity No. FFM4, E.F. 02/07/86 - Contract Performance Date: 5/30/86

These two valves for modification of the fuel oil system per ECN 2606, issued 11/14/83, were originally ordered on requisition 836627. However, the contract awarded to Control Center, Inc., in Knoxville did not specify that Certificate of Conformance (COC) was required. Therefore, the valves received on 836627 could not be used for this application. The bids received from the vendors for requisition 837958 were sent to OE on 07/26/85 for review and recommendations. The problem of obtaining compliance with Attachment K (COC) from the manufacturer and only bidder, Circle Seal, without additional charges was solved 12/27/85 by awarding the contract to Control Center, Inc., Knoxville, a Circle Seal distributor. Control Center has had previous TVA contracts where Attachment K was a requirement. Delivery is 114 days from 12/27/85; approximately the end of May. Richard Hudson, Expediting Services, is in contact with Control Center to improve this delivery and his efforts have brought results. These valves were shipped on 02/05/86 and received onsite on 02/06/86. This contract is complete.

II. QUANTITY REPORTING ADJUSTMENTS

The following tasks had *estimate* changes as requested by engineering:

CC	(Power and Control Cable)	-	1,500 LF (a)
CT	(Terminations)	-	65 EA
EC2	(Power and Control Conduit)	+	91 LF
EC2NC	(NCR 4254 - OSA Conduit)	+	5,498 EA (b)
LP	(Local Panels)	+	4 EA
PI	(Instrument Tubing)	-	1,156 LF (c)
TD2	(Conduit Seals)	+	4 EA

(a) Activity TME6 (-1,500)

(b) 129 Activities (+5,498)

(c) Activities CFJ1 (-800), RFJO (+44), and VHJ1 (-400)

There were no installed Quantity Adjustments requested by Engineering.

PERIOD OF 24 JAN 86 THROUGH 06 FEB 86

F63009.1-8

III. UNIT RATE ANALYSIS OF UNIT 1 SELECTED TASKS

(Covers only work identified during or after Task Force efforts).

Task Description	Task Code	Unit Of Measure	Estimated Unit Rate	Actual Unit Rate To Date	Actual Unit Rate Past 8 WKS.	Overall Status	Status Past 8 WK
P&C Cable	CC	LF	0.07	0.06	0.09	UNDER	OVER
Terminations	CT	EA	0.66	0.68	1.45	OVER	OVER
Ductwork	DU	LB	0.64	0.50	0.87*	UNDER	OVER
Conduit	EC	LF	1.57	1.53	1.71	UNDER	OVER
Erect Pipe Over 2"	FP	LF	2.02	2.37	1.97	OVER	UNDER
Seismic Hgrs. Over 2"	HR	EA	98.40	119.30#	193.05#	OVER	OVER
Non-Seismic Pipe Hgrs. Over 2"	HR1	EA	15.19	12.28*	9.28	UNDER	UNDER
Inst. Misc. Exp. Metal	MM	LB	0.18	0.24	0.17	OVER	UNDER
Tubing	PI	LF	0.99	1.24	1.22	OVER	OVER
Rew. Tubing	PIR	LF	1.41	1.01	**	UNDER	**
Prot. Paint.	PP	SF	0.51	0.52	0.40	OVER	UNDER
2" Seismic Pipe Hgrs.	2H	EA	59.06	53.18#*	30.97#*	UNDER	UNDER
2" Non-Seis. Pipe Hgrs.	2H1	EA	5.07	4.50*	4.90*	UNDER	UNDER
Install 2" & Under Piping	2U	LF	1.25	2.35	1.69*	OVER	OVER
Cond. Seals	TD2	EA	3.47	4.43	4.28	OVER	OVER
Cable Tray Seals	TD7	EA	180.00	74.69	114.0	UNDER	UNDER
Heat Trace	TH	LF	0.59	0.60	**	OVER	**
Valves	VA	EA	19.89	20.84	26.50*	OVER	OVER
Welding	WL	DI	1.85	2.04*	1.37*	OVER	UNDER

* Indicates increase since last period.

These unit rates now include the hangers that were installed and removed, HRR task code and 2HR task code.

** None installed past eight weeks

NOTE: Due to program limitations created by the consolidation of the OC and OE schedules, all activities completed prior to fiscal 1986 are excluded from these calculations. Calculations do include all activities currently in progress plus any completed activities finished after the start of FY86.

QUANTITY INSTALLATION ANALYSIS
UNIT I
PERIOD OF 24 JAN 1986 THROUGH 06 FEB 1986

DESCRIPTION	UNIT OF MEASURE	REMAINING QUANTITY	SCHEDULED QUANTITY PER PERIOD*	ACTUAL QUANTITY THIS PERIOD	% OF SCHEDULED QUANTITY PER PERIOD	AVERAGE ACTUAL QUANTITY LAST EIGHT WEEKS	AHEAD/BEHIND SCHEDULE (IN-PROGRESS ACTIVITIES)
Power & Control Cable (CC)	LF	1,020,343(a)	4,398	930	21	1,200	-11,838
Terminations (CT)	EA	39,300(b)	150	141	94	43	+743
Ductwork (DU)	LB	37,929	757	1,339	177	284	+17,822
Power conduit (EC)	LF	114,468(c)	77	115	149	30	+1,333
NCR 4254 - OSA Conduit (EC2NC)	EA	9,441(d)	167	93	56	188	-857
Large Pipe (FP)	LF	15,184	147	431	293	225	+2,627
Non-Seismic Hangers (HR)	EA	638	18	54	300	42	+498
Seismic Hangers (HR)	EA	1,831	25	22	88	5	+119
Seismic Hgr. Completions (HRC)	EA	3,001	46	10	21	16	+1,213
Instruments (IN)	EA	1,036(e)	1	0	0	3	-5
Instr. Tubing (PI)	LF	37,838(f)	307	356	116	165	+811
Instr. Tubing Rework (PIR)	LF	19,112	0	160	***	43	0
Protective Painting (PP)	SF	695,007	1,602	2,800	174	1,403	+8,119
Conduit Seals (TD2)	EA	8,759(g)	69	100	145	13	-76
Cable Tray Seals (TD7)	EA	640	2	1	50	0	-2
Heat Trace (TH)	LF	25,121	207	0	0	0	-257
Valves (VA)	EA	224	2	0	0	1	+22
Welding (WL)	DI	9,581	164	66	40	72	+2,136
Small Non-Seis. Hgrs. (2H)	EA	7,379	39	30	77	19	+287
Small Seismic Hgrs. (2H)	EA	3,722	53	21	39	23	+291
Small Seis. Hgrs. Completions (2HC)	EA	5,745	108	32	29	18	+1,382
2" & Under Pipe (2U)	LF	64,437	332	530	159	273	+2,061

*Scheduled quantities per period represent work which must be done to complete scheduled activities by their early finish dates.
(Based on selected activities.)

Remaining quantity revisions due to:

- (a) Engineering revision activity TME6 (-1500)
- (b) Engineering revision activity TME6 (-65)
- (c) Engineering revision activity CFEL (+91)
- (d) Engineering revisions to 129 activities (+5,498)
- (e) ECN 3276 activity VAJ2 (+2) and engineering revision activity CFJ1 (-2)
- (f) ECN 2836 activity RFJO (+20) and engineering revisions activities CFJ1 (-800), RFJO (+24), and VHJ1 (-400)
- (g) Engineering revisions activities TBEC (+8) and TBE1 (-4)

SCHEDULE MILESTONE STATUS

<u>Activity</u>	<u>Description</u>	<u>Early Start</u>	<u>Early Finish</u>	<u>Actual Finish</u>	<u>Pct Sched Progress</u>	<u>Pct Actual Progress</u>
KEH1	Compl ERCW Sys Hgrs Pkg 1	31 OCT 83	15 NOV 85	06 NOV 85	100	100
VAJ4	Instm AB HVAC Pkg 4	20 MAR 85	16 DEC 85	23 DEC 85	100	100
RFHE	HPFP Sys Hgrs Pkg E	03 JAN 85	31 DEC 85	30 DEC 85	100	100
ICW4R	WT&T Integr. Comp. Sys U1	27 DEC 85	20 JAN 86	15 JAN 86	100	100
KEM9	Instl ERCW Sys Ppg Pkg 9	10 FEB 84	15 JUN 86		78	80
VCM2	Compl AB Comm Vent Duct Pkg 2	23 SEP 83	07 JUL 86		90	85
KEE9	Pull Cable ERCW Sys Pkg 9	26 NOV 84	05 AUG 86		68	66
TBY1	TB Roof 764/730/673 Arch U1	02 JUN 86	26 AUG 86		14	49

NOTE: BOXES REPRESENT POTENTIAL PROBLEMS.

B15253.1

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HANGER INSPECTION WEEKLY REPORT

01/27/86 TO 01/31/86

	TOTAL	ACCEPTED	REJECTED
INSPECTIONS REQUESTED BY CRAFT:	<u>60</u>	<u>50</u>	<u>10</u> (17%)
TOTAL HANGERS VOIDED:		<u>33</u>	
NET HANGERS COMPLETE (FINAL STATUS):		<u>17</u>	
TO DATE TOTAL HANGERS IN FINAL STATUS:		<u>35033</u>	

	HANGERS INSPECTED	ACCEPTED	FIRST TIME INSPECTED	ACCEPTED
<u>INSTRUMENTATION:</u>	<u>6</u>	<u>4</u> (67%)	<u>5</u>	<u>3</u> (60%)
<u>STEAMFITTERS:</u>	<u>54</u>	<u>46</u> (85%)	<u>22</u>	<u>18</u> (82%)
<u>MILLWRIGHTS:</u>	<u>0</u>	<u>0</u> (N/A)	<u>0</u>	<u>0</u> (N/A)

NOTE: There was a backlog of 39 Hangers as of 02-03-86

ACTIVITY

RFHG-18
VEH2-21

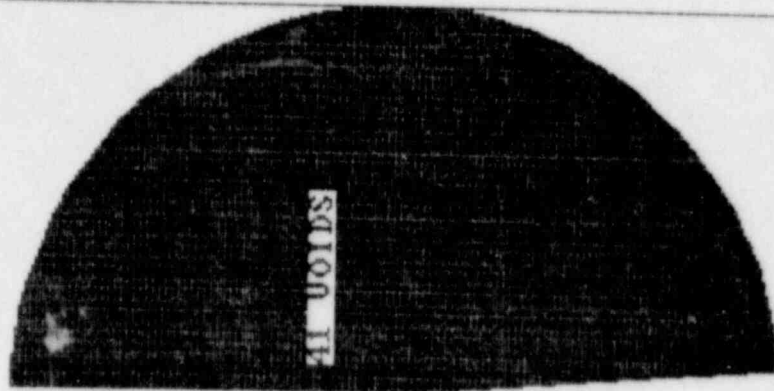
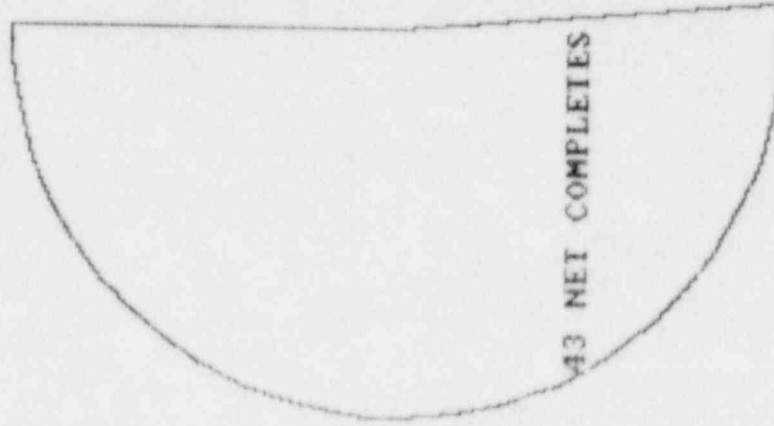
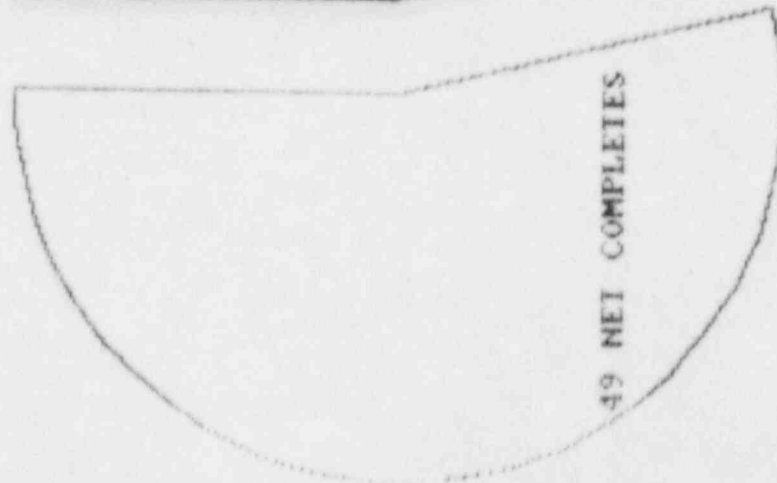
EARLY FINISH

02 Jan. 87
13 Jan. 88

Total 39

91 GROSS COMPLETES ALL
ACTIVITIES

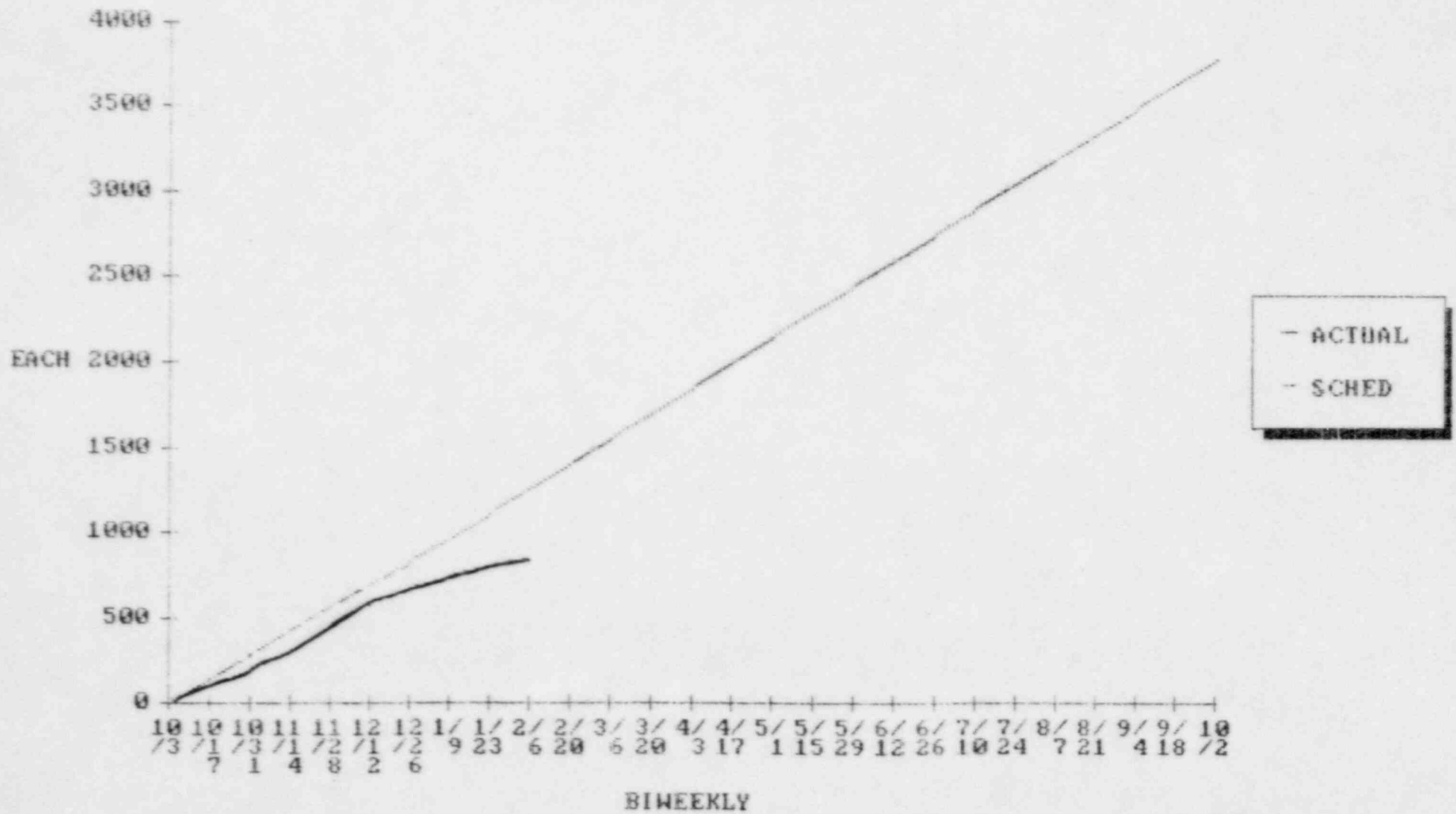
84 GROSS COMPLETES NOW
LINE



JANUARY 24, 1986 THROUGH FEBRUARY 6, 1986

Page 15

TOTAL HANGER COMPLETIONS



RELLEFONTE CONSTRUCTION ACTIVITIES

PERIOD START 10JAN86

PERIOD END 10JUL86

CMM4

SORT ACTIV,05-14

NEW DATE

01FEB86

INTERVAL

WEEKS

EARLY DATES PRINTED

PUN DATE 02/11/86

PAGE 0001

ACTIVITY NUMBER	ACTIVITY DESCRIPTION	PRGSS119P6 1 2 3 0 1 2 2 0 1 2 2 3 1 1 2 0 0 1 2 3 0 1 2 2 0 10 7 4 1 7 4 1 8 7 4 1 8 4 1 8 5 2 5 6 3 0 6 3 0 7 4	EARLY FINISH	SCHD MEN	ACT MEN	MHRS SCENT REMAIN
CMM4 Pg. 14	CM PIPING FOR SU/CO FILTER	99 ***** 96 *****	28MAR86	2	0	7762 4163
CBE2 Pg. 18	OC BLDG U1 ELEC PKG DB-2	95 ***** 92 *****	14MAR86	3	8	21019 4202
ELSC Pg. 18	ELECT INSPECTION EL-C	99 ***** 100 *****	07FEB86	0	0	0 1
GCP1 Pg. 20	OUTSTANDING WORK ITEMS-U1 GC	96 ***** 83 *****	27MAY86	0	0	101 21
KEH17 Pg. 19	ERCW SYS HIPS PKG 1	52 ***** 10 *****	24MAR86	1	0	10 497
KEH3P Pg. 19	ERCW SYS HIPS PKG 3	84 ***** 0 *****	19FEB86	2	4	523 477
KEH2 Pg. 20	ERCW SYS PPG PKG 2	47 ***** 29 *****	04JUN86	1	0	271 845
PFEE2 Pg. 18	PULL CBL FIRE PROTECT PKG Z	94 ***** 98 *****	04MAR86	1	1	1073 1096
PCMY Pg. 20	FIRE PROTECT SYS PPG PKG Y	81 ***** 90 *****	09JUN86	1	3	5101 1011
RTM1 Pg. 19	COMPL EMCT DISSEL GEN HGFS	90 ***** 96 *****	31MAR86	4	1	1056 10
RWEJ Pg. 19	PULL CBL FW-J COW & HYPC BLD	14 ***** 5 *****	24APR86	1	0	26 434
RWEP Pg. 18	PULL CBL FW-P INTAKE BLDG U2	24 ***** 19 *****	11APR86	1	2	376 200
VA14 Pg. 18	INSTN INSPECTION VA-4	62 ***** 30 *****	17APR86	0	0	0 1
VGP1 Pg. 21	OUTSTANDING WORK ITEMS-U1 VG	93 ***** 29 *****	27MAY86	1	0	5996 4125

PCS CONST 17100032071
SOFT: ACTIVITY TASK
SFLECT: SELECTED
SELECT: ACTIVITIES

RELLEFANTE NUCLEAR PLANT
LABOR PRODUCTIVITY BAR CHART
PERIOD DATE SPAN IS 24JAN86 TO 06FEB86

PAGE NO: 1
RUN TIME: 11FEB86
15:11

ACTIVITY		PRODUCTION										R WEEK SCHEDULE							
		QUANTITY					MANHOURS					RESTR		DURATION	FLCAT	LATE	NEG	DURATION	SPLIT
		UNIT	TOTAL	QNTY	QNTY	ACT	TOTAL	ACTUAL	ACTUAL	ACT	VALUE	(-)	(**)	(FF)	(LL)	(XX)	(SS)		
DESCRIPTION	AND	OF	EST	THIS	TO	%	EST	THIS	TO	%	%	13FEB	20FEB	27FEB	06MAR	13MAR	20MAR	27MAR	03APR
CHARGE NUMBER	MEAS			PRD	DATE	QTY		PERIOD	DATE	MM	ACTSCH	TF	MTWTF	MTWTF	MTWTF	MTWTF	MTWTF	MTWTF	MTWTF

ELECT INSPECTION EL-C

DIVEL- ELCC % 100 5 95 95 1 0 0.0 0100 99 DURATION = 15.6 BA = 15OCT85 EF = 07FEB86
TESTING TSS PCT 100 5 95 95 1 0 0.0 0 56 59 FF FFFF FFFF FFFF FFFF FFFF FFFF FFFF FFF

DS BLOC U1 ELEC

PKG DB-2

DIVJOP22 DBE2 % 100 3 92 92 16817 643 21018.5 125 92 95 DURATION = 67.4 BA = 07NOV85 EF = 14M3RR4
CSE PCT 100 10 90 90 1 0 5527.5 750 90 93 ** *****
NCP4254 ECPHC EA 732 0 644 92 1 335 3800.5 50 92 93
GFCJMDNG GR LF 30 0 30 100 24 0 35.0 146100 99
CU PCT 100 0 100 100 4857 0 0.0 0100100
REWORK RW % 100 0 100 100 4500 18 4326.5 96100 93
FLAWASTI TC2 EA 232 100 132 57 884 227 1355.5 153 57 90
CPL TR S TDT EA 36 1 31 86 6480 62 5574.0 86 86 93
CLEANUP XXY % 100 0 95 95 30 0 399.5 332 95 93

PULL CPL FIRE PROTECT PKG Z

DIVFTHB RFEZ % 100 3 98 98 2165 56 1072.5 49 98 94 DURATION = 61.0 BA = 13DEC84 EF = 04MAR86
REC CABL CC LF 30 0 30 100 2 0 7.0 350100 99
TERMINATS CT EA 48 0 48 100 35 0 3.5 9100 98
REWORK RW % 100 3 98 98 2048 78 966.0 47 98 94
CLEANUP XXX % 100 3 98 98 80 13 96.0 120 98 94

PULL CPL RW-J CCW E HYPIC BLD

DIVFWHE RWEJ % 100 5 5 5 460 0 26.0 6 5 14 DURATION = 12.6 BA = 24JAN86 EF = 24APR86
RW % 100 5 5 5 420 0 26.0 6 5 14
RESERVE RZL % 100 0 0 0 40 0 0.0 0 0 14

PULL CPL RW-F INTAKE BLOC U2

DIVFWHE RWEP % 100 19 19 19 576 197 376.0 65 19 24 DURATION = 12.0 BA = 15JAN86 EF = 11APR86
LGT FIST FX EA 3 0 0 0 24 0 0.0 0 0 11
XXX % 100 20 20 20 552 197 376.0 68 20 25

INSTN INSPECTION VA-4

DIVVAI VA14 % 100 0 30 30 1 0 0.0 0 30 62 DURATION = 38.0 BA = 15JUL85 EF = 17APR86
TESTING TSS PCT 100 0 30 30 1 0 0.0 0 30 62 ** *****

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PCS CONST 17100032071
 SORT: ACTIVITY TASK
 SPLIT: SPLITTED
 SELECT: ACTIVITIES

BELLEFCNTE NUCLEAR PLANT
 LABOR PRODUCTIVITY BAR CHART
 PERIOD DATE SPAN IS 24JAN86 TO 06FEB86

PAGE NO: 2
 RUN TIME: 11FEB86
 15:12

ACTIVITY		PRODUCTION									8 WEEK SCHEDULE							
DESCRIPTION AND CHARGE NUMBER	UNIT OF MEAS	QUANTITY				MANHOURS				EAFND VALUE	RESTRAINT [---]	DURATION [**]	FLOAT [FF]	LATE [LL]	NEG DURATION [XX]	SPLIT [SS]		
		TOTAL EST	QNTY THIS PRD	QNTY TO DATE	ACT QTY	TOTAL EST	ACTUAL THIS PERIOD	ACTUAL TO DATE	ACT %									

BLOW SYS PPG PKG 2												DURATION = 34.0 BA = 27SEP85 EF = 04JUN86											
DIRKERN KEM2	%	100	0	29	29	1116	0	270.5	24	29	47	**	*****	*****	*****	*****	*****	*****	*****				
PK	%	100	0	0	0	400	0	0.0	0	0	52												
REWORK SK16	PCT	100	0	0	0	16	0	3.0	19	0	52												
TESTING TSI	PCT	100	0	50	50	300	0	61.5	21	50	34												
XXX	%	100	0	44	44	400	0	206.0	52	44	52												

FIRE PROTECT SYS PPG PKG Y												DURATION = 98.0 BA = 26JUN84 EF = 09JUN86									
CLXPRM ARMY	%	100	2	90	90	6112	209	5101.0	84	90	81	**	*****	*****	*****	*****	*****	*****	*****	*****	
LARGE PIP FP	LF	238	0	238	100	600	0	800.0	133	100	93										
HGR NCNS HRIN	EA	20	0	20	100	400	0	409.0	102	100	83										
HGR CSP MT	EA	46	0	46	100	460	0	456.0	99	100	95										
REWORK PK	%	100	10	91	91	611	0	406.0	66	91	83										
SUPPORT SK2	PCT	100	0	88	88	57	5	52.0	91	88	83										
TESTING TSI	PCT	100	10	26	26	700	0	432.0	62	26	39										
VALVES VP	EA	2	0	2	100	40	0	44.0	110	100	89										
PIPE WLD WL	DI	290	0	290	100	636	0	259.5	41	100	93										
XXX	%	100	10	91	91	21	0	26.0	124	91	83										
2U HGR N 24IN	EA	82	0	82	100	492	0	333.0	68	100	83										
UND JIN 2U	LF	660	0	655	99	2095	204	1883.5	90	99	84										

OUTSTANDING WORK ITEMS-UI GC												DURATION = 181.0 BA = 20OCT82 EF = 27MAY86									
OLXGCR SCPI	%	100	0	83	83	122	0	101.0	83	83	96	**	*****	*****	*****	*****	*****	*****	*****		
TERMINATS CT	EA	30	0	0	0	20	0	0.0	0	0	97										
EC2NC CA		92	0	0	0	1	0	0.0	0	0	92										
TU	PCT	100	0	100	100	43	0	0.0	0100	100											
WP 322	W0322 PCT	100	0	100	100	4	0	0.0	0100	92											
	W0332 PCT	100	0	100	100	8	0	0.0	0100	92											
	W0381 PCT	100	0	100	100	46	0	101.0	220	100	92										

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PCS CONST 17100032071
 SCHED: ACTIVITY TASK
 SELECT: SELECTED
 SELECT: ACTIVITIES

RELLEFCNTE NUCLEAR PLANT
 LAROR PRODUCTIVITY BAR CHART
 PERIOD DATE SPFN IS 24JAN86 TO 06FERR86

PAGE NO: 3
 RUN TIME: 11FERR86
 15:12

9 WEEK SCHEDULE									
PESTRAINT DURATION FLGAT LATE NEG DURATION SPLIT									
(---) (**) (LL) (XX) (SS)									
13FEB 20FEB 27FEB 04MAR 13MAR 20MAR 27MAR 03APR									
1F---MTWTF									

BELLEFONTE NUCLEAR PLANT WEEKLY EXPENDED MANHOURS BY CRAFT
FOR THE PERIOD 24JAN86 THROUGH 02FEB86

PAGE 001

CRAFT	CF CD	UNIT 1 HOURS	P OF CRFT U1	UNIT 2 HOURS	P OF CRFT U2	OPER. INDP. WORK HOURS	P OF CRFT OPER INDP	OVER- HEAD HOURS	P OF CRFT OVP.	CLEAR- ING HOURS	P OF CRFT CLR.	REIMBUR SABLE HOURS	P OF CRFT REIM	TOTAL CRFT HOURS	# OF MEN
BOILERMAKERS	01	37.0	9.8	20.0	5.3			2.0	.5			317.0	84.3	376.0	4.7
CAFFONTERS	02					559.0	23.0	1841.5	76.2			19.0	.8	2415.5	30.2
MILLWRIGHTS	03	300.5	68.8	10.5	2.4	116.5	26.7	9.0	2.1					436.5	5.5
ELECTRICIANS	04	5224.5	73.5	362.5	5.1	1391.0	19.6	62.5	.9			63.0	.9	7103.5	88.8
IRONWORKERS	05	1348.0	72.9	36.0	1.9	398.5	21.6	54.0	2.9			12.0	.6	1848.5	23.1
STEAMFITTERS	06	13969.0	90.2	216.0	1.4	1262.5	8.2	38.0	.2					15485.5	193.6
TEAMSTERS	07	171.0	9.2	3.5	.2	1415.0	76.1	89.5	4.8			181.0	5.7	1860.0	23.3
LABORERS	08	153.0	4.7	1.0	.0	3026.5	92.2	82.0	2.5			20.0	.6	3282.5	41.0
OPERATORS	09	376.0	26.7			587.0	41.6	231.5	16.4			215.0	15.3	1479.5	17.6
PAINTERS	10	892.5	68.0			278.5	21.2	141.5	10.8					1212.5	16.4
SHEETMETAL	11	2348.5	78.3	28.0	.9	590.5	19.7	34.0	1.1					3001.0	37.5
MACHINISTS	12	85.5	21.6			220.5	57.7	4.0	1.0			78.0	19.7	296.0	4.9
CEMENT MASONS	14	428.0	94.1	9.0	2.0	9.0	2.0	9.0	2.0					455.0	5.7
ASBESTOS	16	189.5	86.9			28.5	13.1							218.0	2.7
INSTN.ELECT.	44	742.5	93.7			22.0	2.8	28.0	3.5					792.5	9.9
INSTN.FITTERS	56	1314.5	50.0			145.5	10.0							1460.0	18.3

TOTALS		27590.0	65.9	686.5	1.6			10056.5	24.0	2624.5	6.3	905.0	2.2	41852.5	523.2
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PCS CONST 4 (0003220)
 SORT: TASK AND
 UNIT OF MEASURE
 SELECT: REMAINING WORK
 ALL TASKS

RELLEFENTE NUCLEAR PLANT
 UNIT 1 REMAINING WORK
 UNIT MANHOUR REPORT
 REPORTING PERIOD IS 24JAN86 THRU 06FEB86

PAGE NO. 1
 RUN TIME: 10 FEB 86

15:50

COLLECTION										ANALYSIS									
QUANTITY										UNIT RATE									
DESCRIPTION	TASK	UNIT	ESTIMATE	PERIOD	TO DATE	%	ESTIMATE	PERIOD	TO DATE	%	EST.	ACT.	OVER/	%	PERIOD	PERIOD	TOTAL		
											UNIT	UNIT	UNDER	VARY	UP	UNDER	PROJECTO		
											RATE	RATE							
ARCH PAINTING	AP	PCT	100	0	20	20.0	145676	246	52311	35.91456	762615.55	*****	79.5	.00*****	200360				
EARTH BACKFILL	BA	CY	44123	0	36325	82.3	5051	0	10395	205.8	.11	.29	.18	163.6	.00	.00	12668		
ROCK BACKFILL	PS	CY	50	0	20	22.2	22	0	80	363.6	.24	4.00	3.76*****	.00	.00	80			
RED CABLE	CC	LF	1455238	930	434295	29.8	109690	53	28606	26.1	.08	.07	-.01	-12.5	.06	-.02	103238		
UTS WIRE CONC	CD	LF	20940	0	8292	39.6	22571	0	19291	85.5	1.08	2.33	1.25	115.7	.00	.00	30767		
UTS WIRE CONC	CD	PCT	100	0	100	100.0	1	0	734*****	.01	7.34	7.23*****	.00	.00	.00	.00	735		
STAIN EQUIPMEN	CF	EA	163	0	1	.6	1136	0	161	14.2	6.97	161.00	154.03*****	.00	.00	1149			
CONCRETE	CO	EA	88	0	12	13.6	26399	0	2652	10.0	299.99	221.00	-78.59	-26.3	.00	.00	24144		
FILL CONCRETE	CP	CY	12506	0	887	7.1	35831	0	4918	13.7	2.87	5.54	2.67	93.0	.00	.00	37441		
GRF TR SUPPS	CS	LB	5120	0	4980	97.3	3881	0	3650	95.1	.76	.74	-.02	-2.6	.00	.00	3859		
GRF TR SUPPS	CS	PCT	8017	0	7	.1	1066	0	257	24.1	.13	36.71	36.58*****	.00	.00	1213			
TERMINATIONS	CT	EA	100	0	100	100.0	30	18	9403*****	.30	94.00	93.70*****	.00	-.30	10019				
CABLES	CU	LF	60579	141	21279	35.1	45227	10	11805	26.1	.75	.55	-.20	-26.7	.07	-.68	40147		
DUCT HGFS	CH	EA	116	0	0	.0	87	0	13	14.9	.75	.00	-.75	-100.0	.00	.00	87		
DUCT HGFS	CH	PCT	451	0	362	80.3	24810	31	22751	91.7	55.01	62.85	7.84	14.3	.00	-.55	31905		
IT NCW	CI	PCT	100	0	92	92.0	12	0	598*****	.12	6.50	6.38*****	.00	.00	.00	.00	600		
DUCTWORK	CU	LB	100	0	7	7.0	5057	0	67	1.3	50.57	9.57	-41.00	-81.1	.00	.00	4738		
DOORSEWNS	DA	EA	169905	1339	131976	77.7	108144	558	66889	61.9	.64	.51	-.13	-20.3	.42	-.22	86202		
DOORSEWNS	DA	PCT	377	0	53	14.1	21833	0	5995	27.5	57.91	113.11	55.20	95.3	.00	.00	22419		
DOORSEWNS	DA	PCT	100	0	100	100.0	9	0	777*****	.09	7.77	7.68*****	.00	.00	.00	.00	777		
EARTH EXC	EA	CY	65240	0	41073	63.0	8647	0	10662	123.3	.13	.26	.13	100.0	.00	.00	18395		
ELEC EQPT	EB	EA	822	0	34	4.1	9931	0	1699	17.1	12.08	49.97	37.89	313.7	.00	.00	5883		
ELEC EQPT	EB	PCT	100	0	21	21.0	803	0	603	75.1	8.03	28.71	20.68	257.5	.00	.00	1126		
NO44254	EC	EA	11030	93	1589	14.4	149	3977	14047*****	.01	8.84	8.83*****	42.76	42.75	16699				
POWER CONDUIT	EC	LF	149069	115	34600	23.2	235871	192	55462	23.5	1.58	1.60	.02	1.3	1.67	.09	235022		
POWER CONDUIT	EC	PCT	100	0	50	50.0	2	0	58*****	.02	1.16	1.14*****	.00	.00	.00	.00	58		
BOX/ELCP/CL	ED	EA	64	0	10	15.6	3529	0	253	7.2	55.14	25.30	-29.84	-54.1	.00	.00	3522		
EQPT MAINT	EM	PCT	100	0	56	56.0	396959	943	222675	56.13969	593976.34	6.75	.2	.00*****	396942				
EQPT ERECTION	ER	EA	214	0	27	12.6	7546	0	2592	34.3	35.26	96.00	60.74	172.3	.00	.00	6857		
EQPT ERECTION	ER	PCT	100	0	16	16.0	4706	0	219	4.7	47.06	13.69	-33.37	-70.9	.00	.00	3038		
STR STL ERECT	ES	TN	118	0	1	.8	3092	0	530	17.1	26.20	530.00	503.80*****	.00	.00	3520			
FEB DUCTWORK	FD	LB	1548591	1602	1503803	97.1	408913	268	346794	84.8	.26	.23	-.03	-11.5	.17	-.09	353195		
FEB DUCT HGFS	FE	EA	5223	0	4824	92.4	53176	0	61630	115.9	10.18	12.78	2.60	25.5	.00	.00	63091		
FLUSH TANKS	FH	EA	23	0	0	.0	2495	0	31	1.2	108.48	.00	-108.48	-100.0	.00	.00	2519		
FLUSH PIPE	FI	LF	143396	3156	27873	19.4	22717	141	854	3.8	.16	.03	-.13	-81.3	.04	-.12	21774		
FEB EXP MTL	FM	LB	3973488	0	3341009	84.1	627489	656	563663	89.8	.16	.17	.01	6.3	.00	-.16	685632		
FEB PIPE WHIP	FM	LB	107262	0	107262	93.5	13598	0	4198	30.9	.13	.04	-.09	-69.2	.00	.00	4515		
FEB CMB MTL	FM	LB	8315578	0	8265208	99.4	240761	6	252278	104.8	.03	.03	.00	.0	.00	-.03	259191		
FEB CS	FN	LB	2223	0	0	.0	168	0	0	.0	.08	.00	.00	.0	.00	.00	168		
FEB HS	FN	EA	1751	5	960	54.8	7004	25	4677	66.8	4.00	4.87	.87	21.8	5.00	1.00	8661		
FEB WORK	FO	SF	235733	0	13513	5.7	114086	0	17472	9.2	.48	.77	.29	60.4	.00	.00	114167		
TEMP PIPE/FLU	FP	LF	1200	0	612	51.0	6600	0	9138	138.5	5.50	14.93	9.43	171.5	.00	.00	20489		
REMOVE PIPE	FR	LFR	12000	0	500	4.2	33329	0	9404	28.2	2.78	18.81	16.03	576.6	.00	.00	33329		
LARGE PIPE	FR	LF	25782	431	10599	41.1	55334	710	26171	47.3	2.15	2.47	.32	14.9	1.65	-.50	66258		

PCS CONST 4 (00032201
SCPT: TASK AND
UNIT OF MEASURE
SELECT: REMAINING WORK
ALL TASKS

RELLEFCATE NUCLEAR PLANT
UNIT 1 REMAINING WORK
UNIT MANHOUR REPORT
REPORTING PERIOD IS 24JAN86 THRU 06FEB86

PAGE NO. 2
RUN TIME: 10 FEB 86

15:50

PRODUCTION											ANALYSIS								
			QUANTITY				MANHOURS				UNIT RATE								
DESCRIPTION	TASK	UNIT	ESTIMATE	PERIOD	DATE	%	ESTIMATE	PERIOD	DATE	%	EST.	ACT.	UNIT	UNIT	OVER/	%	PERIOD	PERIOD	TOTAL
		ICIGIT	MEAS		QTY	QTY	CTY		MHR	MHR	MHR								
LARGE PIPE	FP	PCT	100	0	93	93.0	2969	67	4016	135.3	29.69	43.18	13.49	45.4	.00	29.69	4297		
FAR PIPE	FR	LF	170510	0	135511	79.5	192820	438	181556	94.2	1.13	1.34	.21	18.6	.00	-1.13	225004		
LTS FIXTURES	FX	EA	2348	0	1091	46.5	20467	37	12721	62.2	8.72	11.66	2.94	33.7	.00	-8.72	22383		
LTS FIXTURES	FX	PCT	100	0	100	100.0	1	0	46*****		.01	.46	.45*****		.00	.00	46		
GROUNDING	GR	LF	25332	0	2114	8.3	11078	0	2571	23.2	.44	1.22	.78	177.3	.00	.00	12566		
GROUNDING	GR	PCT	100	0	100	100.0	2	0	292*****		.02	2.92	2.90*****		.00	.00	292		
FAR PIPE HGFS	HF	EA	18459	19	12848	69.6	278291	1114	277992	99.9	15.08	21.64	6.56	43.5	58.63	43.55	385782		
HR NON-SEIS	HR	EA	1854	54	1216	65.6	29416	504	15098	51.3	15.87	12.42	-3.45	-21.7	5.33	-6.54	23056		
HR PRIOR TF	HR	EA	7185	0	7184	100.0	8	0	0	.0	.00	.00	.00	.0	.00	.00	0		
HR REMOVAL	HR	EAR	422	0	75	17.8	11021	0	1315	11.9	26.12	17.53	-8.59	-32.9	.00	.00	9377		
	HR	PCT	100	5	75	75.0	20112	307	8748	43.5	201.12	116.64	-84.48	-42.0	61.40	-139.72	11168		
HR BOUGHT OFF	HR	E.A.	11263	10	8262	73.4	38	0	0	.0	.00	.00	.00	.0	.00	.00	25		
HR SEISMIC	HR	EA	3775	22	1944	51.5	411309	2323	245239	59.6	108.96	126.15	17.19	15.8	105.59	-3.37	471780		
HR RESV&CHOS	HR	PCT	100	0	0	.0	148670	0	981	.71486.70	.00	*****	-100.0		.00	.00	149651		
SEIS COND HGR	HS	EA	1394	0	246	17.6	54706	0	7141	13.1	39.24	29.03	-10.21	-26.0	.00	.00	49743		
SEIS COND HGR	HS	PCT	100	0	0	.0	1	0	20*****		.01	.00	-.01	-100.0	.00	.00	20		
HT REMOVED	HT	EAR	518	0	75	14.5	2590	0	739	28.5	5.00	9.85	4.85	97.0	.00	.00	2590		
TEMP HGFS	HT	EA	2000	7	935	46.8	12205	0	6812	55.8	6.10	7.29	1.19	19.5	.00	-6.10	13733		
INSTRUMENTS	IN	EA	1304	0	268	20.6	10627	0	3986	37.5	8.15	14.87	6.72	82.5	.00	.00	11595		
INSTRUMENTS	IN	PCT	100	0	69	69.0	22	0	92	418.2	.22	1.33	1.11	504.5	.00	.00	127		
MECH INSUL	IS	EA	8	0	0	.0	2	0	0	.0	.25	.00	.00	.0	.00	.00	2		
MECH INSUL	IS	LF	88204	0	32275	36.6	74	0	4	5.4	.00	.00	.00	.0	.00	.00	65		
MECH INSUL	IS	SF	83500	400	13558	16.2	16	0	0	.0	.00	.00	.00	.0	.00	.00	11		
RE TST CBLES	IO	PCT	100	0	2	2.0	22718	32	32	.1	227.18	16.02	-211.18	-93.0	.00	-227.18	22353		
RE 4" CON FL	II	PCT	100	0	1	1.0	6180	0	0	.0	61.80	.00	-61.80	-100.0	.00	.00	6140		
LTS CABINETS	LC	EA	18	0	2	11.1	800	0	52	6.5	44.44	26.00	-18.44	-41.5	.00	.00	764		
LOCAL PANELS	LP	EA	105	0	15	14.3	6665	16	847	12.7	63.48	56.47	-7.01	-11.0	.00	-63.48	6397		
EMB METAL	ME	LB	86873	0	3928	4.5	4979	0	662	13.3	.06	.17	.11	183.3	.00	.00	5073		
MISC MTL	MY	LB	16165	0	3744	23.2	20262	215	11802	58.2	1.25	3.15	1.90	152.0	.00	-1.25	41786		
INTRUS BARR	MM	EA	52	0	33	63.5	2201	0	1470	66.9	42.33	44.55	2.22	5.2	.00	.00	2593		
EXP METAL	MY	LB	676547	4815	186710	27.6	122245	538	60071	49.1	.18	.32	.14	77.8	.11	-.07	142751		
MISC METAL	MY	PCT	100	0	4	4.0	33861	0	2250	6.9	338.61	572.50	233.89	69.1	.00	.00	34229		
PIPE MAINT	MP	PCT	100	0	24	24.0	154500	28	36404	23.61545.00	516.83	-28.17	-1.8	.00	*****	154500			
MISC APCH.	MS	PCT	100	0	6	6.0	12719	0	1233	9.7	127.19	205.50	78.31	61.6	.00	.00	12356		
NON-CRED HR	NC	PCTH	8000	60	1846	23.1	34708	1436	14648	42.2	4.34	7.93	3.59	82.7	23.93	19.59	35972		
NON-CRED 2H	NC	PCT2	8900	40	1765	19.8	25982	403	5274	20.3	2.92	2.99	.07	2.4	10.08	7.16	25282		
OVER/UNDERRUN	CU	PCT	100	0	95	89.0	132693	0	0	.01326.93	.03	*****	-100.0		.00	.00	0		
ELEC PENETRAT	PE	EA	6	0	6	100.0	1800	0	1950	108.3	300.00	325.00	25.00	8.3	.00	.00	1951		
METAL DECKING	PF	SF	21000	0	700	3.3	2730	0	230	8.4	.13	.33	.20	153.8	.00	.00	2849		
TUBING HANCF	PH	EA	286	0	92	32.2	17112	26	4902	29.6	59.83	53.28	-6.55	-10.9	.00	-59.83	16489		
REMOVE PI	PI	LFR	27057	160	7945	29.4	36220	118	7766	21.4	1.34	.98	-.36	-26.9	.74	-.60	32325		
TUBING	PI	LF	51196	356	13358	26.1	51777	281	16492	31.9	1.01	1.23	.22	21.8	.79	-.22	54570		
MECH PENETRAT	PM	EA	15	0	0	.0	568	0	0	.0	37.87	.00	.00	.0	.00	.00	568		
MECH PENETRAT	PM	EA	1	0	0	.0	140	0	0	.0	140.00	.00	.00	.0	.00	.00	140		

15:50

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PCS CONST 4 (C003220)
 SORT: TASK AND
 UNIT OF MEASURE
 SELECT: REMAINING WORK
 ALL TASKS

BELLEFONTE NUCLEAR PLANT
 UNIT 1 REMAINING WORK
 UNIT MANHOUR REPORT
 REPORTING PERIOD IS 24JAN86 THRU 06FEB86

PAGE NO. 4
 RUN TIME: 10 FEB 86

15:50

PRODUCTION											ANALYSIS						
			QUANTITY				MANHOURS				UNIT RATE						
DESCRIPTION	TASK	UNIT	ESTIMATE	PERIOD	TO DATE	%	ESTIMATE	PERIOD	TO DATE	%	EST.	ACT.			PERIOD	PERIOD	TOTAL
	TWC	OF		ACTUAL	ACTUAL	ACT		ACTUAL	ACTUAL	ACT	UNIT	UNIT	OVER/	%	ACTUAL	OVER/	MANHOURS
	DIGIT	MEAS		QTY	QTY	CTY		MHR	MHR	MHR	RATE	RATE	UNDER	VARY	UP	UNDER	PROJECT
MISC ITEMS	XX	%	100	0	1	1.0	15290	0	763	5.0	152.90	763.00	610.10	399.0	.00	.00	15620
MISC ITEMS	XX	CF	8827	0	0	.0	4479	0	113	2.5	.51	.00	-.51	-100.0	.00	.00	4479
MISC ITEMS	XX	EA	19	0	6	31.6	8320	263	4465	53.7	437.89	744.17	306.28	69.9	.00	-437.89	6110
CLEANUP	XX	%	100	0	38	38.0	174467	1009	87667	50.2	1744.67	2307.03	562.36	32.2	.00	*****	188172
SECURITY EQ	XX	EA	2328	0	54	2.3	22755	0	7033	30.9	9.77	130.24	120.47	*****	.00	.00	24607
STATION VENT	XX	LB	61220	0	61220	100.0	5992	0	8043	134.2	.10	.13	.03	30.0	.00	.00	8043
TEMP PIPING	XX	LF	62363	0	9461	15.2	31200	55	14997	48.1	.50	1.59	1.09	218.0	.00	-.50	32624
MISC ITEMS	XX	PCT	100	0	28	28.0	65385	454	18923	28.9	653.85	675.82	21.97	3.4	.00	-653.85	66278
ELAST ROOF	XX	SF	78938	0	13749	17.4	7895	0	792	10.0	.10	.06	-.04	-40.0	.00	.00	7229
LEAD SHOT	XX	TN	70	0	0	.0	560	0	0	.0	8.00	.00	.00	.00	.00	.00	560
MISC ITEMS	XX	WKS	150	2	17	11.3	131472	0	0	.0	876.48	.00	-876.48	-100.0	.00	-876.48	87648
2H NON-SEIS	2H	EA	8293	30	914	11.0	42168	251	4180	9.9	5.08	4.57	-.51	-10.0	8.37	3.29	40320
2H PRIOR TF	2H	EA	11531	0	11529	100.0	5	0	0	.0	.00	.00	.00	.00	.00	.00	0
2H REMOVED	2H	EAR	824	1	177	21.5	12473	18	698	5.6	15.14	3.94	-11.20	-74.0	18.00	2.86	8925
2H BOUGHT CFF	2H	E.A.	18376	32	12631	68.7	40	0	0	.0	.00	.00	.00	.00	.00	.00	22
2H SEISMIC	2H	EA	6675	21	2953	44.2	397067	1781	184905	46.6	59.49	62.62	3.13	5.3	84.81	25.32	408533
2H SEISMIC	2H	PCT	100	5	67	67.0	79493	642	31194	39.2	794.93	465.58	-329.35	-41.4	128.40	-666.53	48317
TEMP 2U(FLUSH	2U	LF	250	0	100	40.0	750	0	631	84.1	3.00	6.31	3.31	110.3	.00	.00	1567
REMOVE 2U	2U	LFR	511	0	250	48.9	511	0	368	72.0	1.00	1.47	.47	47.0	.00	.00	768
2"UNDER PIPE	2U	LF	76699	530	12261	16.0	111888	1209	30334	27.1	1.46	2.47	1.01	69.2	2.28	.82	112352
2"UNDER PIPE	2U	PCT	100	0	78	78.0	9341	51	7563	81.0	93.41	96.96	3.55	3.8	.00	-93.41	9685
CONTINGENCY	9Z	%	100	0	0	.0	263025	0	0	.0263025	.00	.00	.00	.00	.00	.00	263025
CONTINGENCY	9Z	PCT	100	0	0	.0	686431	0	0	.0686431	.00	.00	.00	.00	.00	.00	686431

MANHOUR TOTALS

TOTAL MANHOUR ESTIMATE: 8,664,083
 TOTAL MANHOURS PROJECTED: 8,932,315
 TOTAL MANHOURS PERIOD ACTUAL: 27,508
 TOTAL MANHOURS TO DATE: 4,032,415

UNIT 1 & COMMON PIPE FLUSHING TOTALS
AS OF 06 FEBRUARY 1986

F64011.1

SYSTEM	DIFFICULTY SCALE	FEET CLEANED		TOTAL FEET	Σ COMPLETE
		THIS WEEK	TO DATE		
CD	5		1200	1200	100
CF	2		7253	7253	100
CG	6		3651	3651	100
CI	6		553	553	100
CM	5		4540	4995	91
CN	6			5899	
CP	3		626	626	100
CR	2		3806	3806	100
CS	6		2570	2570	100
CT	6		1415	3027	47
FF	3		10431	10431	100
FG	3		50	50	100
GB	5		100	196	51
GC	6		4885	4885	100
GN	6		5891	5891	100
GN	4		600	600	100
GS	5		6288	6288	100
GW	5		750	750	100
KC	2		3240	3240	100
KD	7		468	468	100
KE	8		36453	36453	100
KW	9		8116	8116	100
ML	5		4460	4460	100
NB	1		12329	12329	100
NC	1		5856	5856	100
ND	1		5989	5989	100
NF	7		363	363	100
NK	1		2276	2276	100
NL	1		1149	1149	100
NM	1		3756	3756	100
NS	1		4869	4869	100
NV	1		9316	9316	100
RC	9		2000	2000	100
RE	7		14119	14119	100
RF	9	3156	85150	179404	47
RG	6		357	357	100
RH	6		22000	22000	100
RH	4		1000	1000	100
RI	6		6515	6515	100
RI	4		14100	14100	100
RK	6		2048	2048	100
RT	6		1506	1506	100
SA	6		9478	9478	100
SE	5		4836	4836	100
SM	5		6138	6138	100
TD	6		9931	9931	100
TJ	6		5080	5080	100
TL	6		3359	3359	100
TO	6		1765	1765	100
TS	6		5245	5245	100
VE	4		5457	5457	100
VF	6		6414	6414	100
VJ	4		200	200	100
VK	6		1200	1200	100
VL	6		5918	5918	100
VT	6		7262	7262	100
VU	6		11850	14524	82
WD	7		317	617	51
WD	1		4857	6188	78
WD	4		4797	4797	100
WE	9		982	8233	12
YA	3		66651	66651	100
YK	6		10240	10240	100
YQ	7			683	
YR	7			399	
				569	
TOTALS		3156	474021	589544	80

SUMMARY

As of February 6, 1986

<u>Difficulty</u> <u>Scale</u>		<u>G-39</u> <u>Class</u>	<u>Feet</u> <u>Cleaned</u>	<u>Feet</u> <u>Total</u>	<u>%</u> <u>Total</u>	<u>%</u> <u>Comp.</u>	<u>Flushing</u> <u>Weeks</u> <u>Spent (Approx.)</u>	<u>Average</u> <u>Unit Rate Flush</u> <u>FT/WK</u>
High	1	B(a)	50397	51728	8.8	97	108(c)	467
Most								
Diff.	2	C(a,b)	14299	14299	2.4	100	14	1021
	3	E	21347	21347	3.6	100	29	736
	4	C(a)	26154	26154	4.4	100	39	671
	5	C(b)	28312	28863	4.9	98	20	1416
	6	C	118893	129761	22.0	92	92	1292
	7	B	15267	16535	2.8	92	16	954
Least	8	D(a)	36453	36453	6.2	100	27	1350
Diff.								
Low	9	D	162899	264404	44.9	61	51	3194
TOTALS:			474021	589544	100.0	80		

- (a) Safety related/QA: Full review required for flush procedure approval.
 (b) Chemical clean (soap, trichloroethane, etc.)
 (c) NCR 1725 purge dam/glue testing and removal included.

CLEANLINESS CLASS DESCRIPTION

- B - High cleanliness level applicable to stainless nuclear systems.
 C - Intermediate cleanliness level applicable to carbon steel steam/condensate systems.
 D - Lower cleanliness level applicable to raw water systems.
 E - Special cleanliness level applicable to non-aqueous systems or aqueous systems with non-metallic pipe.

TVA NEWS DESK - ON LINE

BELLEFONTE UNITS 1 & 2 BACKGROUND

TVA July 1 announced a scaleback in construction at Bellefonte Nuclear Plant in North Alabama. Recent load forecasts indicate that additional generating capacity after Watts Bar Unit 2 is brought on line will not be needed as soon as previously thought. Design and construction efforts on critical plant features will be continued, but at a reduced staff level. The expected staff level, subject to further adjustment, are 600 construction trades and labor, 300 construction salary and policy, 250 engineering designers, and 175 operations personnel. The following is a breakdown of key features about the plant:

Reactor System Manufacturer	Babcock and Wilcox
Capacity	1,332 megawatts (each unit)
Initial Contract Award	August 1970
Onsite Construction Started	September 1974
Percent Complete	Unit 1 - 83% Unit 2 - 54%
Total Estimated Cost	\$5.6 billion
Total Expenditures to Date*	\$2.9 billion
Employees on site:	3,305

Breakdown:

	NOW	Projected
Annual T&L	1,576	600
Const. ASF	780	300
Engineering	660	250
Operations	289	175
Totals	3,305	1,325

Estimated effect on annual budget: Original FY 1985 budget for Bellefonte was \$240 million. New estimate with reduced staffing is \$110.

Training: Layoffs will begin with contract employees immediately. Plan to start at reduced level by September 1.

Re-scheduling: Load shedding is now scheduled for 1987 and 1991 for units 1 and 2, representing a four-year extension to the current schedule.

MORNING REPORT - REGION II
DATE: JULY 3, 1985

LICENSEE/FACILITY	NOTIFICATION/SUBJECT	DESCRIPTION OF ITEM OR EVENT
BELLEFONTE 1, 2 DNS: 50-438 50-439	RESIDENTS, 7/2	IN ACTION NOT YET APPROVED BY THE TVA BOARD, TVA MANAGEMENT HAS DECIDED TO CUT BACK CONSTRUCTION ACTIVITY AT THE BELLEFONTE SITE. CONSTRUCTION CRAFT PERSONNEL ARE EXPECTED TO GO FROM THE PRESENT 2500 MAN LEVEL TO ABOUT A 900 MAN LEVEL BY 10/1/85. THIS ACTION IS EXPECTED TO DELAY THE FUEL LOAD OF BOTH UNITS, BUT TVA HAS NOT ESTABLISHED NEW FUEL LOAD DATES. TVA IS RESPONDING TO MEDIA INQUIRIES.
BELLEFONTE 1, 2 DNS: 50-438 50-439	LICENSEE, 7/3	FAILURE OF ITE - BROWN BOVERI LIMIT SWITCHES (MODEL NO. 191921-T6) ON MEDIUM VOLTAGE CIRCUIT BREAKERS. TVA DISCOVERED THAT TWO SAFETY-RELATED BREAKERS AT BELLEFONTE HAD FAILED TO OPERATE DUE TO LIMIT SWITCH FAILURES. TVA DETERMINED THAT THE TRAVEL OF THE LIMIT SWITCH SPRING, WHICH IS HELD IN PLACE BY A BALL, WAS AFFECTED WHEN THE BALL BECAME DISLODGED. A SECOND BROWN BOVERI MODEL UTILIZING A CYLINDER TO CONTROL THE SPRING MOVEMENT WAS DETERMINED TO BE ACCEPTABLE. TVA IS INVESTIGATING APPROXIMATELY 180 CIRCUIT BREAKERS AT BELLEFONTE TO IDENTIFY BREAKERS OF THE AFFECTED MODEL. TVA IS DETERMINING IF THIS NON-CONFORMANCE AFFECTS SEQUOYAH. NO OTHER TVA SITES ARE AFFECTED. ROUTINE FOLLOWUP.
BRUNSWICK 1 DNS: 50-325	RESIDENT INSPECTOR/MISSING SUPPRESSION POOL SPRAY NOZZLES	ON 7/1, WITH UNIT 1 IN AN EXTENDED MAINTENANCE AND REFUELING OUTAGE, THE LICENSEE NOTED THAT NOZZLES FOR THE SUPPRESSION POOL SPRAY RING WERE NOT INSTALLED. INSTEAD OF EACH NOZZLE THERE WAS A THREAD PROTECTOR WHICH PERMITTED WATER FLOW, BUT NO SPRAY PATTERN. THIS SPRAY SYSTEM IS NOT ADDRESSED IN THE BRUNSWICK TECHNICAL SPECIFICATIONS BUT IS DISCUSSED IN THE FSAR. THE SYSTEM IS INSTALLED TO MEET 10CFR 50 APPENDIX A, GDC38, BUT CREDIT IS NOT TAKEN FOR ITS OPERABILITY IN THE FSAR ACCIDENT ANALYSIS. SPRAY NOZZLES IN UNIT 2, WHICH IS AT POWER, HAVE BEEN VERIFIED TO BE INSTALLED. THE LICENSEE HAS NOT DETERMINED HOW LONG THE UNIT 1 NOZZLES HAVE BEEN MISSING. THE RESIDENT INSPECTORS ARE FOLLOWING UP ON THE LICENSEE REVIEW AND CORRECTIVE ACTION.
GRAND GULF 1 DNS: 50-416	HQ DUTY OFFICER, 7/3	ON 7/3, AT 7:18 A.M., UNIT 1 TRIPPED FROM 100% POWER DUE TO MAIN TURBINE TRIP ON LOW CONDENSOR VACUUM CAUSED BY A LOSS OF B MAIN CIRCULATION WATER PUMP. CONSEQUENTLY, THE SAFETY RELIEF VALVE (SRV) LIFTED OPEN AND RESEATED AND RODS INSERTED AS EXPECTED. THE UNIT IS PRESENTLY IN HOT SHUTDOWN CONDITION. LICENSEE IS EVALUATED CAUSE OF MAIN CIRCULATING PUMP FAILURE. FOR INFORMATION ONLY.
VOGTLE 1, 2 DNS: 50-424 50-425	REGION II/PAINTERS WORK STOPPAGE, 7/2	THE PAINTERS AT VOGTLE HAVE STOPPED WORK AS OF 7/1. GPC WAS UNABLE TO REACH AN AGREEMENT WITH THE PAINTERS UNION, INTERNATIONAL BROTHERHOOD OF PAINTERS AND APPLIED TRADES, LOCAL NO. 9730, ON EXPIRATION OF THEIR CONTRACT ON 6/30/85. NO PICKET LINES HAVE BEEN ESTABLISHED AND GPC EXPECTS EARLY RESOLUTION OF THE ISSUE. INFORMATION ONLY.

BELLEFONTE NUCLEAR PLANT

PROJECT PERFORMANCE REPORT - SCHEDULE

DECEMBER 26, 1985

OC OPERATING PLAN EFFECTIVE DATE: October 1, 1985

SCHEDULE

CRITICAL MILESTONES - UNIT 1

OC OPERATING PLAN
START FINISH

FORECAST
LAST MONTH THIS MONTH
START FINISH START FINISH

1. Complete ERCW System Hangers - Pkg 1 (KEH1)	10/31/83A	11/15/85				
2. Instrum. AB HVAC - Pkg 4 (VAJ4)	03/20/85A	12/16/85		11/06/85A	-	
3. HPFP Syst. Hgrs - Pkg E (RFHE)	01/03/85A	12/31/85		12/16/85	-	12/23/85
4. WT&T Integ. Computer Sys. Unit 1 (ICW4R)	12/27/85	01/20/86		12/31/85	-	12/30/85
5. ERCW System Piping - Pkg 9 (KEM9)	02/10/84A	06/15/86	12/27/85	01/20/86	01/10/86	01/20/86
6. Complete AB Comm. Vent Duct - Pkg 2 (VCM2)	09/23/83A	07/07/86		-	-	-
7. Pull Cable ERCW System - Pkg 9 (KEE9)	11/27/84A	08/05/86		-	-	-
8. TB Roof 764/730/673 Arch. U1 (TBY1)	06/02/86	08/26/86		-	-	09/18/86
9. Complete Hot Functional Test (S890)			-	-	-	-
10. Fuel Load Plus Contingency (FLC)			02/06/92	04/17/92	-	-
Probable						
Conservative	07/01/93	07/08/93	-	-	-	-
11. System Operation (SO)	07/01/94	07/08/94	-	-	-	-
Probable						
Conservative	10/31/93	10/31/93	-	-	-	-
12. Commercial Operation (CO)	10/31/94	10/31/94	-	-	-	-
Probable						
Conservative	01/01/94	01/01/94	-	-	-	-
	01/01/95	01/01/95	-	-	-	-

A = Actual Date

CRITICAL MILESTONES - UNIT 2

		FORECAST					
		OC OPERATING PLAN		LAST MONTH		THIS MONTH	
		START	FINISH	START	FINISH	START	FINISH
1.	Fuel Load Plus Contingency (FLC)						
	Probable	07/01/95	07/08/95	07/01/95	07/08/95	07/01/95	07/08/95
	Conservative	07/01/96	07/08/96	07/01/96	07/08/96	07/01/96	07/08/96
2.	System Operation (SO)						
	Probable	10/31/95	06/31/95	10/31/95	06/31/95	10/31/95	10/31/95
	Conservative	10/31/96	10/31/96	10/31/96	10/31/96	10/31/96	10/31/96
3.	Commercial Operation (CO)						
	Probable	01/01/96	01/01/96	01/01/96	01/01/96	01/01/96	01/01/96
	Conservative	01/01/97	01/01/97	01/01/97	01/01/97	01/01/97	01/01/97

NOTE: (1) Unit 2 milestones for FY 1986 are not shown since Unit 2 work is after FY 1986.

F63006.1-2

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

5N 157B Lookout Place

December 17, 1985

DEC 20 AIO: 12

U.S. Nuclear Regulatory Commission
Region II

Attn: Dr. J. Nelson Grace, Regional Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Dear Dr. Grace:

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2 - UPDATE OF 10 CFR 50.55(e) REPORT AND
OUTSTANDING COMMITMENT COMPLETION SCHEDULES

TVA has elected to extend the construction schedule at Bellefonte, and as a result, completion of certain efforts have been rescheduled. As committed to your staff in our meeting in Atlanta on November 7, 1985, enclosed is an update on open 10 CFR 50.55(e) report dates/milestones (enclosure 1) and an update of the expected completion of commitment dates/milestones (enclosure 2) for those items which have had a final report sent. You will note we have revised all of the dates to milestones in order to enable us to file a final report for each item the next time we file a formal report and eliminate revised final reports when implementation dates change. Some revised final reports will still be required when the scope/resolution of an item changes. Work will still be internally scheduled by specific dates.

As also agreed with your staff, BLN Resident Inspector J. W. York will be provided a semi-yearly update on internal schedule dates for items expected to be resolved in the next year. We anticipate that this update will be provided to him in June and December of each year starting June 1986.

If you have any questions, please get in touch with R. H. Shell at
FTS 858-2688.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

J. W. Hufham
Manager of Licensing

Enclosures

cc: Mr. James Taylor, Director (Enclosures)
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Records Center (Enclosures)
Institute of Nuclear Power Operations
1100 Circle 75 Parkway, Suite 1500
Atlanta, Georgia 30339

*Wise &
Ignatowski*
*Important! Big
change in completion
dates. Gibson
has been given a
copy. S*

8512300 937 (5PP)

ENCLOSURE 1

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2
OPEN 50.55(e)s

<u>Item</u>	<u>Lead Unit CDR#</u>	<u>Old Due Date To NRC</u>	<u>New Completion Milestone</u>
BL-A-85-05-D-01	438/85-15	02/28/86	1 Yr BFL
BLN 1819	82-37	01/03/86	1 Yr BFL
1888	82-49	12/20/85	1 Yr BFL
2317	83-25	08/31/87	1 Yr BFL
2496	84-01	07/21/86	1 Yr BFL
2707	84-06	12/27/85	1 Yr BFL
3011	84-32	02/28/86	1 Yr BFL
3615	84-55	01/21/86	1 Yr BFL
3684	84-34	03/31/86	1 Yr BFL
3686	85-05	10/03/86	1 Yr BFL
4028	85-10	01/10/86	1 Yr BFL
4430	85-23	05/09/86	1 Yr BFL
4448	85-24	03/07/86	1 Yr BFL
4490	85-28	10/27/85	1 Yr BFL
BLN BLP 8011	81-06-01	01/17/86	1 YR BFL
8201	82-09	08/29/86	1 YR BFL
8207	82-20	12/18/85	1 Yr BFL
8210	82-25	01/14/86	1 Yr BFL
8236	83-07	03/04/86	1 Yr BFL
8303	83-14	12/16/85	1 Yr BFL
8403	84-17	10/29/86	1 Yr BFL
8405	84-21	07/18/86	1 Yr BFL
8407	84-42	03/05/86	1 Yr BFL
BLN EEB 8203	81-66	10/31/86	1 Yr BFL
8416	84-46	06/20/86	1 Yr BFL
8418	85-03	6 Mo BFL	6 Mo BFL
8419	85-06	08/10/87	1 Yr BFL
8420	85-08	08/26/86	1 Yr BFL
8504	85-16	01/11/86	1 Yr BFL
8505	85-16	01/11/86	1 Yr BFL
8510	85-25	03/21/86	1 Yr BFL
8511	85-26	01/31/88	1 Yr BFL
BLN MEB 8302	81-66	10/31/86	1 Yr BFL
8403	84-33	05/18/86	1 Yr BFL
8504	85-19	11/18/85	1 Yr BFL

ENCLOSURE 1

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2
OPEN 50.55(e)s

<u>Item</u>	<u>Lead Unit CDR#</u>	<u>Old Due Date To NRC</u>	<u>New Completion Milestone</u>
BLN CEB 8202	438/82-23	03/28/86	1 Yr BFL
8214	82-71	09/29/86	1 Yr BFL
8215	82-75	6 Mo BFL	6 Mo BFL
8217	82-76	07/16/86	1 Yr BFL
8220	83-13	04/04/86	1 Yr BFL
8305	83-51	08/06/86	1 Yr BFL
8307	83-57	03/28/86	1 Yr BFL
8308	84-07	07/03/86	1 Yr BFL
8401	84-09	03/14/86	1 Yr BFL
8404	84-31	08/04/86	1 Yr BFL
8409	84-41	11/15/86	1 Yr BFL
8411	84-45	01/29/86	1 Yr BFL
8412	84-43	04/01/86	1 Yr BFL
8414	84-49	01/26/87	1 Yr BFL
8415	84-54	6 Mo BFL	6 Mo BFL
8417	84-57	02/14/86	1 Yr BFL
8420	85-08	04/18/86	1 Yr BFL
8423	85-04	10/31/86	1 Yr BFL
BLN NEB 8004	80-08-08	12/20/85	1 Yr BFL
8008	81-01-06	12/29/86	1 Yr BFL
8010	81-07	03/24/86	1 Yr BFL
8113	81-66	10/31/86	1 Yr BFL
8203	82-33	10/31/86	1 Yr BFL
8210	82-64	03/25/86	1 Yr BFL
8301	83-28	03/18/86	1 Yr BFL
8311	83-53	10/13/86	1 Yr BFL
8401	84-03	02/19/86	1 Yr BFL
8405	83-31	12/19/85	1 Yr BFL
8408	83-31	12/19/85	1 Yr BFL
8409	83-31	12/19/85	1 Yr BFL
8503	85-14	03/30/86	1 Yr BFL
8504	85-12	6 Mo BFL	6 Mo BFL
GEN CEB 8304	83-46	03/21/86	1 Yr BFL

6 Mo (1 Yr) BFL = Final report to be provided at least six months (one year) before unit 1 fuel loading or upon completion, whichever is earlier.

ENCLOSURE 2

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2
COMMITMENTS MADE TO NRC IN FINAL REPORTS

<u>50.55(e) NCR/SCR# or Violation/Deviation#</u>	<u>Lead Unit CDR#</u>	<u>Old Committed Due Date</u>	<u>New Milestone</u>
BLN MEB 8007	438/81-01	01/30/87	6 Mo BFL
BLN EEB 8006	81-05	01/30/87	6 Mo BFL
V 438,9/81-29-01		11/01/86	6 Mo BFL
BLN NEB 8005	82-43	04/20/86	6 Mo BFL
BLN MEB 8209	83-08	03/26/87	6 Mo BFL
BLN BLP 8003	81-13	03/30/87	6 Mo BFL
BLN 1686	82-04	04/24/86	6 Mo BFL
D 438,9/83-10-05		03/16/86	6 Mo BFL
BLN 1203	80-07-04	02/28/86	6 Mo RFL
D 438,9/83-10-01		11/15/85	6 Mo BFL
BLN BLP 8220	82-45	03/15/86	6 Mo BFL
BLN 2174	83-13	02/22/87	6 Mo BFL
BLN BLP 8002	80-20-01	03/30/87 U1	6 Mo BFL
		03/30/89 U2	6 Mo BFL
BLN MEB 8103	81-76	11/06/85	6 Mo BFL
D 438,9/83-10-01		06/26/86 U1	6 Mo BFL
		11/09/87 U2	6 Mo BFL
BLN EEB 8316	83-45	07/18/87	6 Mo BFL
BLN EEB 8401	84-08	06/30/86	6 Mo BFL
BLN 2549	83-56	03/16/87	6 Mo BFL
BLN 2381	83-39	06/30/86	6 Mo BFL
BLN BLP 8130	82-39	03/07/87	6 Mo BFL
BLN EEB 8302	83-25	11/04/85	6 Mo BFL
BLN BLP 8401	84-12	01/15/86	6 Mo BFL
BLN 2787	84-14	09/26/87	6 Mo BFL
BLN NEB 8412	84-38	10/01/85	6 Mo BFL
BLN MEB 8408	84-56	10/01/85	6 Mo BFL
BLN 2995	84-29	03/18/87	6 Mo BFL
BLN BLP 8231	82-79	05/19/86	6 Mo BFL
BLN BLP 8124	439/81-63	08/07/87	6 Mo BFL
BLN NEB 8304	438/83-31	07/08/86 U1	6 Mo BFL
		06/19/87 U2	6 Mo BFL
BLN NEB 8407	83-31	06/25/86	6 Mo BFL
BLN 3337	84-44	06/17/87 U1	6 Mo BFL
		08/17/88 U2	6 Mo BFL
83V-10 Def. #1	83-24	01/20/86 U1	6 Mo BFL
		01/20/87 U2	6 Mo BFL
BLN CEB 8413	84-48	06/20/87	6 Mo BFL
BLN MEB 8303	83-62	12/01/86	6 Mo BFL
BLN BLP 8233	83-09	03/11/88	6 Mo BFL
BLN EEB 8307	83-34	09/01/86 U1	6 Mo BFL
		10/01/89 U2	6 Mo BFL

ENCLOSURE 2

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2
OUTSTANDING COMMITMENTS MADE TO NRC IN FINAL REPORTS

<u>Commitment</u>	<u>50.55(e) NCR/SCR# or Violation/Deviation#</u>	<u>Lead Unit CDR#</u>	<u>Old Committed Due Date</u>	<u>New Milestone</u>
E246	BLN 2101, etc.	438/83-02	10/16/85	6 Mo BFL
E247	BLN EEB 8417	84-47	07/01/87 U1	6 Mo BFL
			10/01/90 U2	6 Mo BFL
E248	BLN CEB 8205	82-42	03/03/86 U2	6 Mo BFL
E249	R-30 & BLN NEB 8413	83-35	10/01/90	6 Mo BFL
E253	V 438.9/85-07-01		12/31/85	6 Mo BFL
E256	BLN NEB 8206	82-35	10/01/87	6 Mo BFL
E259	BLN 4277 & BLN 4352	85-21	03/01/87	6 Mo BFL
E261	BLN 3675	84-58	03/21/86	6 Mo BFL
E262	BLN 4030	85-11	1 Yr BFL U1	1 Yr BFL U1
E263	BLN 2086, 2087, 2088	82-80	09/30/86	6 Mo BFL
E264	BLN 2296	83-50	6 Mo BFL	6 Mo BFL
E265	BLN CEB 8509	85-29	1 Yr BFL	1 Yr BFL
E266	BLN BLP 8228	82-72	1 Yr BFL	1 Yr BFL
E267	BLN 3511 R1	84-53	6 Mo BFL	6 Mo BFL
E268	BLN 4030	85-11	1 Yr BFL U2	1 Yr BFL U2
E269	BLN BLP 8404	84-20	6 Mo BFL	6 Mo BFL
E270	BLN 4414	85-22	1 Yr BFL	1 Yr BFL

6 Mo (1 Yr) BFL = Will be completed at least six months (one year) before fuel loading for each unit.