

WATTS BAR NUCLEAR PLANT
WEEKLY PROGRESS REPORT
AND ANALYSIS

April 6, 1979 through April 12, 1979

PREPARED BY
PROJECT CONTROLS STAFF

MAN-HOUR EXPENDITURE DATA AS REPORTED BY CRAFTS AND COST OFFICE

QUANTITY DATA AS REPORTED BY ENGINEERING SECTIONS

8504150008 840606
PDR FDIA
KILLEFEB4-367 PDR

DESCRIPTION	UNIT	QTY	QTY 1	ACT	ACT	JACCACCCHI	DURATION	EA	EF	
CHARGE #	I MEAS	TOTAL EST PERIOD	TOTAL EST PERIOD	PERIOD	PERIOD	1980R 2APR 03MAY 10MAY 17MAY 24MAY 31MAY 07JUN	** FFFF FFFF FFFF FFFF	*****	*****	
RB2 COMPLETE END WALLS										
200CA 0534	%	100	0	90	7989	189	11107	139	90	98
CONCRETE CN	CY	100	0	170	1780	52	1667	130	75	98
FORMWORK FD	SF	3500	0	3193	5250	11	3549	47	91	98
EMBEDS MF	LB	9785	0	11943	499	98	2001	40	120	94
METFEEL RF	TN	16	0	16	960	27	3890	40	100	98
							DURATION=	17 LRC=03MAY79	EA=21DEC78	EF=20APR79
							** FFFF FFFF FFFF FFFF	*****	*****	*****
								<i>Lane Poles P9 - P14</i>		

RB2 SOUTH END WALL COMPONENT										
C3X06IF W500	%	100	13	13	0	0	0	0	13	0
STUHS 4X01	PCT	100	100	100	0	0	0	0	100	0
VAPOR 4X02	PCT	100	0	0	0	0	0	0	0	0
CRACKS 4X03	PCT	100	0	0	0	0	0	0	0	0
INSULATE 4X04	PCT	100	0	0	0	0	0	0	0	0
DUCTS 4X05	PCT	100	0	0	0	0	0	0	0	0
STRIPS 4X06	PCT	100	0	0	0	0	0	0	0	0
LATTICE 4X07	PCT	100	0	0	0	0	0	0	0	0
BASKETS 4X08	PCT	100	0	0	0	0	0	0	0	0
							DURATION=	7 LRC=01JUN79	EA=11APR79	EF=30MAY79
							** *****	*****	*****	*****

RB2 NORTH END WALL COMPONENT										
C3X06IF W500	%	100	0	0	0	0	0	0	0	0
STUHS 4X01	PCT	100	0	0	0	0	0	0	0	0
VAPOR 4X02	PCT	100	0	0	0	0	0	0	0	0
CRACKS 4X03	PCT	100	0	0	0	0	0	0	0	0
INSULATE 4X04	PCT	100	0	0	0	0	0	0	0	0
DUCTS 4X05	PCT	100	0	0	0	0	0	0	0	0
STRIPS 4X06	PCT	100	0	0	0	0	0	0	0	0
LATTICE 4X07	PCT	100	0	0	0	0	0	0	0	0
BASKETS 4X08	PCT	100	0	0	0	0	0	0	0	0
							DURATION=	7 LRC=22JUN79	EA=01MAY79	EF=22JUN79
							** *****	*****	*****	*****

INST LATTICE COLUMN&FRAMES										
C2X06IF W570	%	100	0	91	14650	7	10785	73	91	68
MISC MET HMX	TN	418	0	380	14650	7	10785	73	91	68
							DURATION=	38 LRC=27MAY79	EA=23OCT78	EF=16JUL79
							** *****	*****	*****	*****

INST ICF BASKET ASSEMBLY										
C2X06IF W572	%	100	0	98	7896	15	16930	214	88	42
MISC MET HMX	EA	1944	0	1710	7896	15	16930	214	88	42
							DURATION=	34 LRC=29MAY79	EA=14DEC78	EF=09AUG79
							** *****	*****	*****	*****

INST INTERMEDIATE DECK BEAM										
C2X06IF W588	%	100	0	91	1100	65	1243	113	91	17
MISC MET HMX	TN	22	0	20	1100	65	1243	113	91	17
							DURATION=	28 LRC=15MAY79	EA=06FEB79	EF=21AUG79
							** *****	*****	*****	*****

RB2 INTERMEDIATE DOWNSCURMS										
C2X06IF W589	%	100	0	66	1350	46	1435	106	46	16
FRAMES-I HM	EA	48	0	40	576	0	637	110	83	16
DOORS-IF XX	EA	192	0	34	774	46	798	103	18	16
							DURATION=	26 LRC=10JUL79	EA=16FEB79	EF=15AUG79
							** *****	*****	*****	*****

INST UP PLENUM FRAME&COVER										
C2X06IF W576	%	100	0	0	4100	0	149	3	0	0
HANGERS XX	PCT	100	0	0	2100	0	61	2	0	0
COVERING XXI	PCT	100	0	0	2000	0	88	4	0	0
							DURATION=	17 LRC=27AUG79	EA=01MAY79	EF=27AUG79
							** *****	*****	*****	*****

RB2 INST UP PLENUM COND SPT										
C2X06IF 0912	%	100	0	0	1200	0	83	6	0	0
SEISMIC HG	FA	200	0	0	1200	0	83	6	0	0
							DURATION=	13 LRC=28AUG79	EA=29MAY79	EF=28AUG79
							** *****	*****	*****	*****

RB2 INST UPPER PLENUM HANGERS										
C2X06IF W631	%	100	0	0	460	0	0	0	0	0
HANGERS HR	FA	46	0	0	460	0	0	0	0	0
							DURATION=	9 LRC=10AUG79	EA=09JUN79	EF=10AUG79
							** *****	*****	*****	*****

RB2 PRESSURE SEAL STOPS										
C2X06IF W625	%	100	0	81	1500	2	1907	127	81	97
MISC MET HM	IB	5400	0	4344	1500	2	1907	127	81	97
							DURATION=	52 LRC=16JUL79	EA=08MAY78	EF=11MAY79
							** *****	*****	*****	*****

RB2 NYLON PRESSURE SEALS										
C2X06IF W637	%	100	0	0	3780	0	214	5	0	0
SPT CRAF SK	PCT	100	0	0	180	0	0	0	0	0
NYLON SF XX	INFT	740	0	0	3600	0	214	5	0	0
							DURATION=	10 LRC=17AUG79	EA=08JUN79	EF=17AUG79
							** *****	*****	*****	*****

INSTALL ERW PIPING FB										
C1X06IP 0609	%	100	0	46	1696	0	1811	106	46	93
FEET PIP FP	IF	282	0	282	529	0	1363	26	100	98
HANGERS HR	EA	21	0	0	605	0	47	7	0	88
TEMPER HT	FA	8	0	8	96	0	75	7	100	98
SPT CRAF SK2	PCT	100	0	46	222	0	97	43	46	98
TESTING TSI	IF	282	0	0	57	0	0	0	0	88
VALVES VA	EA	8	0	0	108	0	0	0	0	88
WELDING WI	NI	56	0	36	84	0	229	272	64	98
							DURATION=	92 LRC=22FEB80	EA=15AUG77	EF=18MAY79
							** *****	*****	*****	*****

INST ERW PIPING TA										
C1X06IP 0609	%	100	0	93	2147	211	3609	148	93	98
FEET PIP FP	IF	325	0	325	421	130	1929	44	100	99
HANGERS HR	EA	15	0	15	375	39	265	70	100	99
TEMPER HT	FA	6	0	6	72	0	151	20	100	99
SPT CRAF SK2	PCT	100	0	93	242	0	235	97	93	99
TESTING TSI	IF	635	0	0	67	0	45	72	0	88
VALVES VA	EA	5	0	2	130	22	49	17	40	99
WELDING WL	NI	76	0	76	70	0	472	674	100	99
2U PIPIN 2U	IF	310	0	310	775	0	463	60	100	99
							DURATION=	123 LRC=27AUG79	EA=13DEC76	EF=23APR79
							** *****	*****	*****	*****

Main project schedule table with columns: DESCRIPTION, UNIT, QUANTITY, ACT, ACT, SACCACCSCHI, RESTRAINT, DURATION, EF, FLOAT, LL, LATE, XX, NEG, DURATION. Includes sub-sections like 'INSTALL SIS PIPING ARI', 'PCCTERM SAFETY INJECTION SYS', 'INSTALL SIS INST', 'SIS BASELINE INSPECTION', 'SAFETY INJECTION SYS PKG J', 'W-3,10 SIS PUMPS', 'SAFETY INJECTION SYS PKG F', 'SAFETY INJECTION SYS PKG H', 'SAFETY INJECTION SYS PKG G'.

ACTIVITY		QUANTITY		MANHOURS		RESTRAINT		DURATION		EFFECT		DATE	
DESCRIPTION	UNIT	TOTAL	THIS PERIOD	TOTAL	THIS PERIOD	ACT	ACT	TO	TO	1	2	3	4
CHARGE #	OF MEAS	EST	DATE	EST	DATE	PERIOD	PERIOD	DATE	DATE	1	2	3	4
P12													
NCS-10A RAW COIL SERVICE WTR													
C190A U001	%	100	0	0	0	0	0	0	0	0	80	54	0
TESTING SK	PCT	100	0	0	0	0	0	0	0	0	80	54	0
NCS-10A PCW RATED FLOW TEST													
C190A U001	%	100	0	20	0	0	0	0	0	0	20	72	0
TESTING SK	PCT	100	0	20	0	0	0	0	0	0	20	72	0
NCS-10T RAW SERVICE WATER													
C190A U002	%	100	0	0	0	0	0	0	0	0	0	0	0
TESTING SK	PCT	100	0	0	0	0	0	0	0	0	0	0	0
R12 INSTALL CABLE TRAY													
C1000 N902	%	100	0	99	14020	238	12961	07	09	98	0	0	0
WPT CRAW SK	PCT	100	0	99	1275	0	126	9	09	98	0	0	0
CABLE TR TC	LF	6250	0	6201	12745	238	12837	100	09	98	0	0	0
A1 FIRE STOPS EL 757772													
C1000 N147	%	100	0	62	1427	103	2213	155	02	75	0	0	0
MISC HGT MM	LB	9989	0	6225	1417	103	2174	153	02	75	0	0	0
SET CRAW SK	PCT	100	0	62	10	0	39	340	02	75	0	0	0
INSTL CR EXPOSED ELEC CNVD													
C1000 R204	%	100	0	96	41620	197	54591	88	06	95	0	0	0
EXPOSED EC2	LF	41000	500	39500	47400	65	52659	90	06	96	0	0	0
RELINCAT EC3	PCT	100	0	0	0	132	712	0	0	95	0	0	0
JUNCTION ED	FA	120	0	120	1920	0	1290	67100	96	0	0	0	0
SPT CRAW SK	PCT	100	0	95	2300	0	537	23	06	96	0	0	0
INSTL CLASS 1E CONDUIT SPTS													
C1000 R201	%	100	0	89	10000	137	4958	49	09	98	0	0	0
SEISMIC HS	FA	2000	10	1770	10000	137	4958	49	09	98	0	0	0
CLASS 1E CONDUIT SPT4 A8													
C1000 R201	%	100	0	74	90300	1132	81495	90	07	98	0	0	0
SEISMIC HS	FA	15050	74	11170	90300	1132	81495	90	07	98	0	0	0
A1200RHHN EXPOSED CONDUIT													
C1000 R204	%	100	0	73	220157	9006	210326	95	03	95	0	0	0
EXPOSED EC2	LF	70000	710	70710	93340	0	135909	142101	96	0	0	0	0
EXPOSED EC2A	LF	70000	0	35413	95340	1649	47148	49	01	96	0	0	0
EXPOSED EC2B	LF	4642	0	0	6352	0	0	0	0	95	0	0	0
RELINCAT EC3	PCT	100	0	79	1266	279	14984	185	09	96	0	0	0
JUNCTION ED	FA	702	0	456	11231	37	6308	56	05	96	0	0	0
SPT CRAW SK	PCT	100	0	73	10630	41	5975	56	03	96	0	0	0
R01 INSTALL EXPOSED CONDUIT													
C1000 R400	%	100	2	78	45373	988	81148	95	08	98	0	0	0
EXPOSED EC2	LF	62275	997	49023	76386	777	68386	89	09	98	0	0	0
RELINCAT EC3	PCT	100	0	1	0	204	7911	0	1	98	0	0	0
JUNCTION ED	FA	323	0	190	5167	3	3461	66	09	98	0	0	0
SPT CRAW SK	PCT	100	0	76	3820	4	1388	16	06	98	0	0	0
R01 ELEC PENETRATN INTERNALS													
C1000 R422	%	100	6	96	3920	289	5569	142	08	96	0	0	0
PENETRAT PE	FA	49	3	48	3920	289	5569	142	08	96	0	0	0
R01 TEST ELECT PENETRATIONS													
C1000 R431	%	100	0	76	784	0	1215	156	06	96	0	0	0
TESTING TS	FA	49	0	37	784	0	1215	144	06	96	0	0	0
R02 ELEC PENETRATN INTERNALS													
C2000 R929	%	100	0	33	3920	104	2742	89	03	57	0	0	0
PENETRAT PE	FA	49	0	16	3920	104	2742	89	03	57	0	0	0
R02 TEST ELECT PENETRATIONS													
C2000 R931	%	100	0	0	784	0	0	0	0	0	0	0	0
TESTING TS	FA	49	0	0	784	0	0	0	0	0	0	0	0
UNIT 1 BULK CABLE PULL/TERM													
C19997 579A	%	100	0	58	0	0	0	0	0	58	94	0	0
PCC CABLE IX	LF	4483882	1339975	600191	0	0	0	0	0	66	94	0	0
TERMINAT IX1	FA	221651	1205	111194	0	0	0	0	0	50	94	0	0
UNIT 2 BULK CABLE PULL/TERM													
C20997 579A	%	100	0	52	0	0	0	0	0	52	89	0	0
PCC CABLE IX	LF	4281116	2777123	66507	0	0	0	0	0	56	89	0	0
TERMINAT IX1	FA	135332	150	49913	0	0	0	0	0	47	89	0	0
UNIT3 BULK INSTRUMENTATION													
C19997 5799	%	100	0	45	0	0	0	0	0	55	98	0	0
CALIBRAT 2X1	EA	10720	135	4960	0	0	0	0	0	40	98	0	0
INSTRUM 2X2	EA	17115	0	10926	0	0	0	0	0	84	98	0	0
TUBING 2 X3	LF	335408	3674	193475	0	0	0	0	0	58	98	0	0
ROOT VAL 2X4	EACH	2316	0	1185	0	0	0	0	0	51	98	0	0
UNIT2 BULK INSTRUMENTATION													
C20997 5799	%	100	0	43	0	0	0	0	0	43	81	0	0
CALIBRAT 2X1	EA	7081	74	2751	0	0	0	0	0	39	81	0	0
INSTRUM 2X2	EA	10542	0	6358	0	0	0	0	0	69	81	0	0
TUBING 2 X3	LF	211184	142	80461	0	0	0	0	0	38	81	0	0
ROOT VAL 2X4	EACH	1484	0	534	0	0	0	0	0	36	81	0	0

DESCRIPTION	UNIT	QUANTITY		MANHOURS		RESTRAINT * DURATION									
		QTY	QTY	ACT	ACT	1	2	3	4	5	6	7	8	9	10
CHARGE #	OF	TOTAL	THIS	TOTAL	THIS	%	%	%	%	%	%	%	%	%	%
NEAS	EST	PERIOD	DATE	EST	PERIOD	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
A02 PUMP AIR DUCT PENETRATN															
20MCR 080R	%	100	0	98	9625	150	3300	14	28	80	**	****	*****	*****	*****
PENETRAT PH2	EA	10	0	3	9125	150	3300	16	30	85					
TESTING TS	PCT	100	0	0	500	0	0	0	0	0					
A02 HEV DUCTWORK															
20MCR 0810	%	100	0	71	66825	370	46370	19	71	97	**	****	*****	*****	*****
HANGERS OH	EA	350	0	261	15750	18	10640	17	75	97					
DUCTWORK OH	LB	15000	0	105461	45000	332	32494	77	70	97					
SPT CRAF SK	PCT	100	0	71	6075	40	3434	16	71	97					
A02 CONTAINMENT VENT DUCT															
20MCR 0815	%	100	0	39	19010	220	9625	10	39	82	**	****	*****	*****	*****
HANGERS OH	EA	40	0	13	1600	0	4222	26	31	82					
DUCTWORK OH	LB	40000	0	15841	15660	220	5242	33	40	82					
SPT CRAF SK	PCT	100	5	39	1750	0	161	9	37	82					
A02 CHILL WATER PIPING															
20MCR 0818	%	100	0	95	42017	117	34300	11	95	98	**	****	*****	*****	*****
FIELD CH CRI	PCT	100	0	100	100	0	0	0	100	98					
ERECTION FR2	EA	29	0	11	330	0	490	15	38	98					
SPT CRAF SK2	PCT	100	0	95	3780	0	720	19	95	98					
BLDC SER SP	LF	5900	0	5679	17807	117	33090	17	96	98					
A02 CHILL WATER PIPING															
20MCR 0813	%	100	0	97	3446	0	5032	16	97	99	**	****	*****	*****	*****
PENETRAT PH	EA	4	0	4	40	0	0	0	100	99					
SPT CRAF SK2	PCT	100	2	97	450	0	163	16	97	99					
BLDC SER SP	LF	1000	0	966	2956	0	4869	16	97	99					
A02 FAK NCS V PH PIPE WHIPS															
20MCR 0817	%	100	0	90	27084	192	38329	16	90	99	**	****	*****	*****	*****
GENERAL FH	LB	406971	0	419775	27084	192	38329	16	90	99					
A02 SOUTH VALVE RM PIPE WHIP															
20MCR 0822	%	100	4	62	18883	109	4713	24	42	93	**	****	*****	*****	*****
PIPE WHIP PW	TN	137	6	58	18883	109	4713	24	42	93					
A02 SUR HATH STEAM PP EL 737															
20MCR 0823	%	100	0	50	0	0	0	0	50	45	**	****	*****	*****	*****
SCHENLG 4X	PCT	100	0	50	0	0	0	0	50	45					
A02 NORTH VALVE RM PIPE WHIP															
20MCR 0822	%	100	9	92	15111	291	6320	41	92	98	**	****	*****	*****	*****
PIPE WHIP PW	TN	106	10	97	15111	291	6320	41	92	98					
A02 SUR HATH STEAM PP EL 737															
20MCR 0823	%	100	0	85	0	0	0	0	85	96	**	****	*****	*****	*****
SCHENLG 4X	PCT	100	0	85	0	0	0	0	85	96					
A02 SUR HATH RELF VLUSEVENTS															
20MCR 0825	%	100	0	0	0	0	0	0	0	0	**	****	*****	*****	*****
SCHENLG 4X	PCT	100	0	0	0	0	0	0	0	0					
A01 ERECT PIPE WHIPS															
20MCR 0830	%	100	0	95	11049	0	3779	14	85	96	**	****	*****	*****	*****
PIPE WHIP PW	TN	141	0	121	10959	0	3779	14	86	97					
REWORK RW	PCT	100	0	0	90	0	0	0	0	0					
A01 ERECT PIPE WHIPS															
20MCR 0830	%	100	0	71	3600	296	9780	27	71	98	**	****	*****	*****	*****
PIPE WHIP PW	TN	21	0	15	3600	296	9780	27	71	98					
A01 BLOWDOWN SYS PIPE WHIPS															
20MCR 0826	%	100	0	0	155	0	0	0	0	0	**	****	*****	*****	*****
PIPE WHIP PW	TN	1	0	0	155	0	0	0	0	0					
A01 FFDWATER PIPE WHIPS															
20MCR 0827	%	100	0	98	3825	526	8058	21	98	96	**	****	*****	*****	*****
PIPE WHIP PW	TN	23	0	23	3750	526	8058	21	100	96					
REWORK P PWK	TN	1	0	0	75	0	0	0	0	31					
A02 ERECT PIPE WHIPS															
20MCR 0830	%	100	0	76	3600	131	2124	14	76	22	**	****	*****	*****	*****
PIPE WHIP PW	TN	21	0	16	3600	131	2123	14	76	22					
A02 HATH STEAM PIPE WHIPS															
20MCR 0825	%	100	27	89	4420	44	5363	12	89	98	**	****	*****	*****	*****
PIPE WHIP PW	TN	37	10	33	4420	44	5363	12	89	98					
A02 BLOWDOWN PP PIPE WHIPS															
20MCR 0826	%	100	0	0	155	0	53	14	0	0	**	****	*****	*****	*****
PIPE WHIP PW	TN	1	0	0	155	0	53	14	0	0					

DESCRIPTION AND CHARGE #	UNIT	QNTY	EST	TOTAL THIS PERIOD	TOTAL TO DATE	ACT THIS PERIOD	ACT TO DATE	ACT LAG	ACT CACC	ACT SCHI	RESTRAINT	DURATION	FLD	LATE	XX	NEG	DURATN
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HYPOCHLORITE BLDG CONDUIT																		
CIRCUIT #063	%	100	0	13	344	0	95	26	13	24	DURATION= 22 LRC=01AUG79						BA=01JAN79	EF=08JUN79
CONDUIT CD	LF	150	0	60	100	0	0	0	40	64	*****						*****	*****
FIXTURES FX	EA	16	0	0	160	0	48	30	0	0	*****						*****	*****
SPT CRAW SK	PCT	100	0	17	30	0	44	146	17	64	*****						*****	*****
LIGHT W/ WI	LF	900	0	0	54	0	0	0	0	0	*****						*****	*****

PCTERM HYPOCHLORINATION SYS																		
PCTERM S252	%	100	15	27	880	140	514	58	27	59	DURATION= 10 LRC=24MAY79						BA=01MAR79	EF=17JUN79
PCTERM CC	LF	10850	2095	3304	651	37	295	45	30	59	*****						*****	*****
PCTERM CT	EA	192	20	80	235	103	219	43	20	59	*****						*****	*****

INSTL HYPOCHLORINE INTR																		
CIRCUIT S250	%	100	9	61	669	0	0	0	61	77	DURATION= 18 LRC=01JUN79						BA=10JAN79	EF=16MAY79
CALIPAT CA	EA	36	1	11	14	0	0	0	31	78	*****						*****	*****
FIELD IN IN	EA	58	0	44	278	0	0	0	76	78	*****						*****	*****
FIELDNPR TN2	EA	58	0	44	0	0	0	0	76	78	*****						*****	*****
ROOT VAL RV	EA	1	0	0	0	0	0	0	0	0	*****						*****	*****
SPT CRAW SK3	PCT	100	16	52	253	0	0	0	52	78	*****						*****	*****
TESTING TS2	PCT	100	16	52	120	0	0	0	52	78	*****						*****	*****

HYPOCHLORITE BLDG ADD FP																		
CIRCUIT S320	%	100	0	97	99	0	150	151	97	57	DURATION= 8 LRC=19APR79						BA=01MAR79	EF=04MAY79
FIRE HOS FR	EA	2	0	2	30	0	0	0	100	59	*****						*****	*****
FPEE PIP FP	LF	25	0	25	40	0	103	247	100	59	*****						*****	*****
HANGERS HR	EA	2	0	2	10	0	0	0	100	59	*****						*****	*****
SPT CRAW SK2	PCT	100	0	97	6	0	26	433	97	59	*****						*****	*****
TESTING TS1	LF	25	0	0	5	0	21	470	0	0	*****						*****	*****
VALVES VA	EA	2	0	2	8	0	0	0	100	59	*****						*****	*****

HYPOCHLORITE BLDG MISC ARCH																		
CIRCUIT S055	%	100	1	60	1217	0	2643	217	60	96	DURATION= 64 LRC=13OCT79						BA=09MAR78	EF=31MAY79
PAINT BL AP1	PCT	100	0	28	160	0	740	462	28	96	*****						*****	*****
PAINT PI AP2	PCT	100	0	10	130	0	9	6	10	96	*****						*****	*****
PAINT EQ AP3	PCT	100	0	3	50	0	0	0	3	96	*****						*****	*****
DOORSEWN DW1	EA	3	0	3	50	0	231	462	100	96	*****						*****	*****
DOORSEWN DW2	EA	1	0	1	35	0	45	128	100	96	*****						*****	*****
MISC NET MM	LB	6344	0	6344	317	0	1391	478	100	96	*****						*****	*****
MISC ARC MS	PCT	100	0	50	125	0	202	161	50	96	*****						*****	*****
SPT CRAW SK	PCT	100	4	59	350	0	25	7	59	96	*****						*****	*****

HYPOCHLORITE SYS PKG A																		
CIRCUIT S508	%	100	0	0	0	0	0	0	0	77	DURATION= 70 LRC=15AUG80						BA=30DEC77	EF=04MAY79
MECHANIC 3X	PCT	100	0	0	0	0	0	0	0	77	*****						*****	*****
INSTRUME 3X1	PCT	100	0	0	0	0	0	0	0	77	*****						*****	*****
ELECTRIC 3X2	PCT	100	0	0	0	0	0	0	0	77	*****						*****	*****

PSW PACKAGE C																		
CIRCUIT S290	%	100	0	50	0	0	0	0	50	84	DURATION= 82 LRC=03JAN80						BA=10NOV77	EF=11JUN79
MECHANIC 3X	PCT	100	0	0	0	0	0	0	0	72	*****						*****	*****
ELECTRIC 3X2	PCT	100	0	100	0	0	0	0	0	96	*****						*****	*****

NCS-35 HYPOCHLORITE SYS																		
CIRCUIT S765	%	100	0	0	0	0	0	0	0	0	DURATION= 2 LRC=01JUN79						BA=10MAY79	EF=01JUN79
TESTING 3X	PCT	100	0	0	0	0	0	0	0	0	*****						*****	*****

CONDENSER CIRC WATER PKG C																		
CIRCUIT S270	%	100	0	88	0	0	0	0	88	98	DURATION= 71 LRC=25JUL79						BA=30DEC77	EF=11MAY79
MECHANIC 3X	PCT	100	0	99	0	0	0	0	99	98	*****						*****	*****
INSTRUME 3X1	PCT	100	0	69	0	0	0	0	69	98	*****						*****	*****
ELECTRIC 3X2	PCT	100	0	95	0	0	0	0	95	98	*****						*****	*****

NCS-40 CONDENSER CIRC WATER																		
CIRCUIT S615	%	100	0	0	0	0	0	0	0	0	DURATION= 1 LRC=18MAY79						BA=18APR79	EF=25APR79
TESTING 3X	PCT	100	0	0	0	0	0	0	0	0	*****						*****	*****

CONC INT WALLS TO FL 775.25																		
CIRCUIT S409	%	100	53	80	3240	430	1415	43	80	66	DURATION= 5 LRC=21APR79						BA=20MAR79	EF=26APR79
CONCRETE CD	PY	126	93	138	504	170	170	3310	66	FLAT= 7	*****						*****	*****
FORMWORK FO	EF	3700	2390	3497	1850	211	571	30	95	66	*****						*****	*****
EMBERS ME	LB	1720	571	571	86	20	186	216	33	66	*****						*****	*****
RESTEEL RE	TN	16	2	0	800	79	488	61	33	66	*****						*****	*****

CONC BUILDING STRUCT STEEL																		
CIRCUIT S430	%	100	0	10	702	0	976	139	10	36	DURATION= 19 LRC=24JUL79						BA=02FEB79	EF=15JUN79
BOLTING BI	TN	26	0	3	156	0	0	0	12	45	*****						*****	*****
STEEL FR FS	TN	26	0	3	364	0	928	254	12	45	*****						*****	*****
HANDLING HD	TN	26	0	3	52	0	48	52	12	45	*****						*****	*****
PAINT SS PA	TN	26	0	0	130	0	0	0	0	0	*****						*****	*****

CONC BLDG AIR MNAL UNITS																		
CIRCUIT S403	%	100	0	0	200	0	0	0	0	0	DURATION= 2 LRC=28MAY79						BA=14MAY79	EF=28MAY79
ERECTION ER4	EA	2	0	0	200	0	0	0	0	0	*****						*****	*****

CONC BLDG EXPOSED CONDUIT																		
CIRCUIT S415	%	100	0	0	9222	0	597	6	0	0	DURATION= 23 LRC=21SEP79						BA=09FEB79	EF=20JUN79
EXPOSED EXP	LF	5150	0	0	8000	0	570	7	0	0	*****						*****	*****
JUNCTION JN	EA	52	0	0	832	0	27	3	0	0	*****						*****	*****
SPT CRAW SK	PCT	100	0	0	390	0	0	0	0	0	*****						*****	*****

Lack Pours S1-S3, U4
Includes Pours M1 & M2

Table with columns: DESCRIPTION, UNIT, QNTY, QNTY TO, ACT, ACT TO, ACC, CACC, SCHI, DURATION, LRC, ES, EF. Includes rows for 'CONCRETE CLASS I'E CONG SPTS' and 'SEISMIC US'.

Table with columns: DESCRIPTION, UNIT, QNTY, QNTY TO, ACT, ACT TO, ACC, CACC, SCHI, DURATION, LRC, ES, EF. Includes rows for 'CONCRETE PROTECTIVE COATING' and 'PRUT CNA PP1'.

Table with columns: DESCRIPTION, UNIT, QNTY, QNTY TO, ACT, ACT TO, ACC, CACC, SCHI, DURATION, LRC, ES, EF. Includes rows for 'CONCRETE SERVICE AIR PIPING' and 'SPT CRAF SK2'.

Table with columns: DESCRIPTION, UNIT, QNTY, QNTY TO, ACT, ACT TO, ACC, CACC, SCHI, DURATION, LRC, ES, EF. Includes rows for 'CONCRETE POUR SHIELD PLUGS' and 'CONCRETE CONC'.

Table with columns: DESCRIPTION, UNIT, QNTY, QNTY TO, ACT, ACT TO, ACC, CACC, SCHI, DURATION, LRC, ES, EF. Includes rows for 'CONCRETE MISC SHIELD CONC' and 'CONCRETE CONC'.

Table with columns: DESCRIPTION, UNIT, QNTY, QNTY TO, ACT, ACT TO, ACC, CACC, SCHI, DURATION, LRC, ES, EF. Includes rows for 'INSTALL WDS PIPING AR COMMON' and 'FEET PIP FP'.

Table with columns: DESCRIPTION, UNIT, QNTY, QNTY TO, ACT, ACT TO, ACC, CACC, SCHI, DURATION, LRC, ES, EF. Includes rows for 'INSTALL WDS PIPING RRI' and 'FEET PIP FP'.

Table with columns: DESCRIPTION, UNIT, QNTY, QNTY TO, ACT, ACT TO, ACC, CACC, SCHI, DURATION, LRC, ES, EF. Includes rows for 'TVA-14 NITROGEN SUPPLY TEST' and 'TESTING SK'.

Table with columns: DESCRIPTION, UNIT, QNTY, QNTY TO, ACT, ACT TO, ACC, CACC, SCHI, DURATION, LRC, ES, EF. Includes rows for 'RBI INSTL LAYUP WTR TREAT PP' and 'FEET PIP FP'.

Table with columns: DESCRIPTION, UNIT, QNTY, QNTY TO, ACT, ACT TO, ACC, CACC, SCHI, DURATION, LRC, ES, EF. Includes rows for 'RBI INSTL LAYUP WTR TREAT PP' and 'FEET PIP FP'.

Table with columns: DESCRIPTION, UNIT, QNTY, QNTY TO, ACT, ACT TO, ACC, CACC, SCHI, DURATION, LRC, ES, EF. Includes rows for 'TVA-42 TURBO-GEN CONTROL POINT' and 'TESTING SK'.

Table with columns: DESCRIPTION, UNIT, QNTY, QNTY TO, ACT, ACT TO, ACC, CACC, SCHI, DURATION, LRC, ES, EF. Includes rows for 'RBI INSTL SYN CONTROL COMPON' and 'CONCRETE CONC'.

Table with columns: DESCRIPTION, UNIT, QNTY, QNTY TO, ACT, ACT TO, ACC, CACC, SCHI, DURATION, LRC, ES, EF. Includes rows for 'RBI INSULATE TURBINE' and 'CONCRETE CONC'.

RBI NON-ESSENT CONTROL AIR PP										DURATION= 40 LRC=08AUG79			BA=14JUL78			EF=20APR79		
C1X010P R394	%	100	0	57	3304	23	756R	229	57	95	** FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFF
FIELD PIP FP	LF	255	0	126	273	0	567	207	49	99	FLNAT=	0						
HANGERS HR	EA	25	0	0	500	18	171	34	0	82								
PENETRAT PH	EA	3	0	2	40	0	109	272	67	99								
SPT CRAF SK2	PCT	100	0	57	345	0	126	36	57	99								
TESTING TSI	LF	1057	0	0	133	0	0	0	0	82								
WELDING WL	DI	188	0	56	188	0	1295	688	30	99								
ZU PIPIN ZU	LF	802	0	649	1825	5	5300	290	81	99								

RBI NON-ESSENT CONTROL AIR PP										DURATION= 52 LRC=28AUG79			BA=07OCT78			EF=01OCT79		
C1X010P R394	%	100	0	66	3304	0	2970	89	60	38	** *****	*****	*****	*****	*****	*****	*****	*****
FIELD PIP FP	LF	255	0	155	273	0	952	308	61	47								
HANGERS HR	EA	25	0	0	500	0	51	10	0	0								
PENETRAT PH	EA	3	0	1	40	0	32	60	33	47								
SPT CRAF SK2	PCT	100	0	66	345	0	45	13	60	47								
TESTING TSI	LF	1057	0	0	133	0	0	0	0	0								
WELDING WL	DI	188	0	160	188	0	214	113	85	47								
ZU PIPIN ZU	LF	802	0	703	1825	0	1676	91	88	47								

AG NON-ESSENT CONTROL AIR PP										DURATION= 75 LRC=24JUN79			BA=23NOV77			EF=04MAY79		
C1X010P R393	%	100	0	94	3340	373	2179R	261	94	98	** *****	*****	*****	*****	*****	*****	*****	*****
FIELD PH CPL	PCT	100	0	100	150	0	0	0	100	98								
FIELD PIP FP	LF	2203	0	2203	1876	18	4430	226	100	98								
HANGERS HR	EA	200	0	155	2000	0	3548	177	78	98								
SPT CRAF SK2	PCT	100	0	94	800	0	188	23	94	98								
TESTING TSI	LF	3479	0	3479	257	0	252	98	100	99								
VALVES VA	EA	15	0	15	106	23	50	67	100	99								
WELDING WL	DI	1576	0	1577	1370	0	4206	367	100	98								
ZU PIPIN ZU	LF	1276	0	1276	1781	332	9124	512	100	98								

PCC TERM CA SYS										DURATION= 109 LRC=12JAN80			BA=00APR77			EF=11MAY79		
C1X010H R396	%	100	5	69	1873	18	2374	126	67	99	** *****	*****	*****	*****	*****	*****	*****	*****
PCC TERM CT	EA	614	2	312	368	18	575	156	51	99								

INSTL CA INSTR										DURATION= 140 LRC=31JAN80			BA=15SEP78			EF=23MAY79		
C1X010I R364	%	100	1	77	16418	253	14496	88	77	98	** *****	*****	*****	*****	*****	*****	*****	*****
CALIBRAT CA	EA	138	3	65	69	0	0	0	47	98								
FIELD IN IN	EA	120	0	90	1020	73	1486	145	75	98								
FIELDWIP IN2	EA	237	0	120	0	0	0	0	51	98								
TURBINE PI	LF	20000	212	15491	15000	180	12347	87	77	98								
ROOT VAL RV	EA	46	0	1	0	0	0	0	2	98								
SPT CRAF SK3	PCT	100	1	76	223	0	38	17	76	98								
TESTING TSI	PCT	100	1	76	106	0	627	591	76	98								

A112 INSTL ESSENT CT AIR PP										DURATION= 6 LRC=25MAY79			BA=20MAR79			EF=01MAY79		
C1X010P R344	%	100	0	0	1800	98	208	11	0	0	** *****	*****	*****	*****	*****	*****	*****	*****
SPT CRAF SK2	PCT	100	0	0	0	0	0	0	0	0	FLNAT=	2						
TESTING TSI	LF	580	0	0	70	0	0	0	0	0								
ZU PIPIN ZU	LF	580	0	0	1730	98	208	12	0	0								

RBI ESSENTIAL CONTROL AIR PP										DURATION= 11 LRC=24JUN79			BA=23MAR79			EF=01JUN79		
C1X010P R397	%	100	0	0	2675	0	16	0	0	0	** *****	*****	*****	*****	*****	*****	*****	*****
SPT CRAF SK2	PCT	100	0	1	240	0	0	0	1	11								
TESTING TSI	LF	800	0	0	100	0	0	0	0	0								
ZU PIPIN ZU	LF	800	0	0	2335	0	16	0	0	0								

TVA-2A COMPRESSED AIR SYS										DURATION= 1 LRC=25MAY79			ES=14MAY79			EF=25MAY79		
C1X090 U130	%	100	0	0	0	0	0	0	0	0	-----	-----	-----	-----	-----	-----	-----	-----
TESTING SK	PCT	100	0	0	0	0	0	0	0	0								

DGB ARCH (TVA)										DURATION= 105 LRC=30AUG79			BA=19MAY77			EF=25MAY79		
C1J006 J013	%	100	0	89	3897	27	5431	139	89	99	** *****	*****	*****	*****	*****	*****	*****	*****
PAINT M AP1	PCT	100	0	77	300	27	3062	20	77	99								
PAINT PI AP2	PCT	100	0	1	200	0	26	13	1	99								
PAINT FO AP3	PCT	100	0	67	500	0	415	63	67	99								
DNORSEWH DW1	EA	39	0	39	910	0	940	103	100	99								
DNORSEWH DW2	EA	4	0	4	480	0	523	108	100	99								
MISC APC MS	PCT	100	0	99	1507	0	465	30	99	99								

INSTL DGB START-UP AIR PIPE										DURATION= 98 LRC=06AUG79			BA=03JUN77			EF=20APR79		
C1X090P S047	%	100	0	92	1853	118	7363	807	92	99	** *****	*****	*****	*****	*****	*****	*****	*****
SPT CRAF SK2	PCT	100	0	92	240	0	229	65	92	99	FLNAT=	-2						
TESTING TSI	LF	1592	0	0	55	0	0	0	0	100								
ZU PIPIN ZU	LF	1592	0	1500	1400	118	7086	506	94	99								
REMARK Z ZURW	LF	360	0	360	158	0	48	30	100	99								

TVA-2A FIRE DAMPERS										DURATION= 3 LRC=21MAY79			ES=30APR79			EF=21MAY79		
C1X980 U123	%	100	0	0	0	0	0	0	0	0	-----	-----	-----	-----	-----	-----	-----	-----
TESTING SK	PCT	100	0	0	0	0	0	0	0	0								

TVA-15C DIESEL GEN HEAT/VENT										DURATION= 1 LRC=07MAY79			ES=30APR79			EF=07MAY79		
C1X990 U067	%	100	0	0	0	0	0	0	0	100	-----	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
TESTING SK	PCT	100	0	0	0	0	0	0	0	100	FLNAT=	-5						

TVA-14-111 DC BATTERIES										DURATION= 1 LRC=14MAY79			ES=07MAY79			EF=14MAY79		
C1X990 U068	%	100	0	0	0	0	0	0	0	100	-----	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
TESTING SK	PCT	100	0	0	0	0	0	0	0	100	FLNAT=	-5						

TVA-14B DG STARTUP AIR										DURATION= 2 LRC=01JUN79			ES=01JUN79			EF=15JUN79		
C1X990 U066	%	100	0	0	0	0	0	0	0	37	-----	-----	-----	-----	-----	-----	-----	-----
TESTING SK	PCT	100	0	0	0	0	0	0	0	37	FLNAT=	-6						

FUEL OIL SYSTEM PKG B										DURATION= 70 LRC=08AUG79			BA=30APR77			EF=08MAY79		
C1X0180 Q18R	%	100	0	85	0	0	0	0	85	90	** *****	*****	*****	*****	*****	*****	*****	*****
MCHANIC SK	PCT	100	0	69	0	0	0	0	99	98	FLNAT=	-3						
INSTRUM SK1	PCT	100	0	75	0	0	0	0	75	98								
ELECTRIC SK2	PCT	100	0	80	0	0	0	0	80	98								

TVA-14A DG FUEL OIL										DURATION= 1 LRC=24MAY79			ES=11MAY79			EF=10MAY79		
C1X990 U065	%	100	0	0	0	0	0	0	0	0	-----	-----	-----	-----	-----	-----	-----	-----
TESTING SK	PCT	100	0	0	0	0	0	0	0	0	FLNAT=	-5						

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DESCRIPTION AND CHANGE #	UNIT OF MEAS	QUANTITY		MANHOURS		RESTRAINT DURATION																
		QNTY THIS PERIOD	QNTY TO DATE	ACT THIS PERIOD	ACT TO DATE	ACC	C	S	T	W	F	S	S	S	S	S	S	S				
C4 STRUC ST & DECK FIRE COAT																						
C1RCE7 R191	%	100	0	0	200	0	8	4	0	0	DURATION= 8 LRC=25JUN79 ES=30APR79 EF=25JUN79											
SPT CRAF SK	PCT	100	0	0	200	0	8	4	0	0	*****											
C4 DIMSD CIRCUIT TV																						
C1RCE8 R212	%	100	0	10	500	0	99	19	10	10	DURATION= 5 LRC=22JUN79 ES=01JUN79 EF=22JUN79											
ELEC RDS FR1	PCT	100	0	10	500	0	99	19	10	10	*****											
C4 RESILIENT TILE																						
C1RRAV R049	%	100	0	0	0	0	0	0	0	0	DURATION= 4 LRC=04JUN79 ES=07MAY79 EF=04JUN79											
SPT CRAF SK	PCT	100	0	0	0	0	0	0	0	0	*****											
DPR OCCUPY SHIFT ENGR OFFICE																						
C3R27 R076	%	100	0	0	0	0	0	0	0	0	DURATION= 1 LRC=02MAY79 ES=30APR79 EF=02MAY79											
SCHFDLG AX	PCT	100	0	0	0	0	0	0	0	0	*****											
C8 ADD SEC COMM FIXTURES																						
C1RFF8 R221	%	100	0	0	432	0	200	46	0	0	DURATION= 5 LRC=17MAY79 ES=23APR79 EF=25APR79											
FIXTURES CF	EA	176	0	0	432	0	200	46	0	0	*****											
C8 ADD SEC MONITOR CABINETS																						
C1RFE8 R223	%	100	0	0	88	0	0	0	0	0	DURATION= 0 LRC=30APR79 ES=25APR79 EF=30APR79											
ELEC RDS FR	EA	11	0	0	88	0	0	0	0	0	*****											
C8 ADD SEC LIGHT FIXTURES																						
C1RFE9 R219	%	100	0	0	260	0	0	0	0	0	DURATION= 1 LRC=30APR79 ES=23APR79 EF=30APR79											
FIXTURES FX	EA	31	0	0	260	0	0	0	0	0	*****											
DPR AR EXHAUST FANS EL780																						
C1RFF9 C141	%	100	0	0	0	0	0	0	0	0	DURATION= 0 LRC=02MAY79 ES=01MAY79 EF=02MAY79											
SCHFDLG AX	PCT	100	0	0	0	0	0	0	0	0	*****											
AB1 BATTERY RM EXH FANS 772																						
C1RCE8 C250	%	100	0	50	120	0	108	90	50	71	DURATION= 8 LRC=08MAY79 ES=05MAR79 EF=30APR79											
ERECTOR FR3	EA	4	0	2	120	0	108	90	50	71	*****											
AB2 BATTERY RM EXH FANS 772																						
C2RCE8 C790	%	100	0	50	120	0	0	0	50	71	DURATION= 8 LRC=08MAY79 ES=05MAR79 EF=30APR79											
ERECTOR FR3	EA	4	0	2	120	0	0	0	50	71	*****											
INSTL AR HEV DUCT BELD# E713																						
C1RCE81 C159	%	100	0	97	34945	0	23810	95	97	99	DURATION= 170 LRC=13SEP79 ES=02FEB79 EF=07MAY79											
HANGERS OH	EA	245	0	243	13475	0	9085	67	99	99	*****											
DUCTWORK OH	LB	45500	0	42170	9220	0	10677	115	93	99	*****											
SPT CRAF SK	PCT	100	0	97	2250	0	4048	179	97	99	*****											
DAMPERS XX	EA	141	0	90	0	0	0	0	35	99	*****											
INSTL AR HEV DUCT BELD# E737																						
C1RCE81 C154	%	100	1	36	42931	554	17071	39	30	98	DURATION= 135 LRC=13SEP80 ES=01OCT76 EF=04MAY79											
HANGERS OH	EA	324	0	120	17841	0	4970	27	39	99	*****											
DUCTWORK OH	LB	101500	1191	35257	70440	281	8898	43	35	99	*****											
BUITERFL ER4	EA	8	0	0	800	235	2038	254	0	56	*****											
SPT CRAF SK	PCT	100	1	36	3900	38	1165	29	36	99	*****											
DAMPERS XX	EA	134	0	15	0	0	0	0	11	99	*****											
INSTL AR HEV DUCT BELD# E757																						
C1RCE81 C155	%	100	0	49	50849	20	26678	52	49	97	DURATION= 88 LRC=26JAN80 ES=30SEP77 EF=05JUN79											
HANGERS OH	EA	394	0	101	21675	0	3513	16	26	97	*****											
DUCTWORK OH	LB	122000	0	84319	24574	0	21350	84	69	97	*****											
SPT CRAF SK	PCT	100	1	49	4600	20	1815	19	47	97	*****											
DAMPERS XX	EA	144	0	30	0	0	0	0	21	97	*****											
INSTL AR HEV DUCT ARNVE E757																						
C1RCE81 C156	%	100	3	68	57210	1217	37208	65	68	98	DURATION= 123 LRC=16FEB80 ES=31JAN77 EF=11JUN79											
HANGERS OH	EA	437	0	223	24100	249	8458	25	51	98	*****											
DUCTWORK OH	LB	138000	3519	114820	27910	842	26164	93	83	98	*****											
SPT CRAF SK	PCT	100	4	66	5200	126	2584	49	66	98	*****											
DAMPERS XX	EA	380	0	67	0	0	0	0	18	98	*****											
AB1 PURGE AIR DUCT PENETRATI																						
C1RCE81 C30A	%	100	0	26	9624	0	8238	85	96	98	DURATION= 40 LRC=21MAY79 ES=23JUL76 EF=01MAY79											
PENETRAT PH2	EA	10	0	10	9124	0	8227	40	100	98	*****											
TESTING TS	PCT	100	0	20	500	0	11	2	20	98	*****											
AB1 HEV DUCTWRK																						
C1RCE81 C310	%	100	0	97	46825	243	71659	107	97	98	DURATION= 64 LRC=31MAY79 ES=09FEB76 EF=04MAY79											
HANGERS OH	EA	350	1	348	1575	160	18774	119	97	98	*****											
DUCTWORK OH	LB	150000	0	145103	45000	21	46647	103	97	98	*****											
SPT CRAF SK	PCT	100	0	97	6075	62	6239	102	97	98	*****											
AB1 CONTAINMENT VENT DUCT																						
C1RCE81 C315	%	100	1	47	19010	198	9844	51	47	98	DURATION= 36 LRC=11AUG79 ES=21AUG76 EF=30APR79											
HANGERS OH	EA	40	0	26	1600	0	3659	241	65	98	*****											
DUCTWORK OH	LB	40000	309	18157	15600	198	5784	36	45	98	*****											
SPT CRAF SK	PCT	100	0	47	1750	0	200	11	47	98	*****											

ACTIVITY		PRODUCTION				ANALYSIS		8 WEEK SCHEDULE												PH
PH	1	QUANTITY	1	HOURS	1	RESTRAINT	DURATION	FF	FLAT	LL	LATE	XX	NEG	DURATI	PH					
DESCRIPTION	LIMIT	QNTY	ONLY	ACT	ACT	LA	CA	CA	CA	CA	CA	CA	CA	CA	CA					
CHARGE #	I MEAS	EST PERIOD	DATE	EST PERIOD	DATE	1	2	3	4	5	6	7	8	9	10					
INSTALL PLY SECURITY FENCE																				
CLJSD 1400	%	100	0	28	1720	5	6870	25	33	76	**	*****	*****	*****	*****					
FENCE SF	LF	14870	0	3125	10125	5	6596	20	34	77	FFLAT	2								
REFUEL T SF2	IF	301	0	0	300	0	202	94	0	75										
CVD ARMED SEC FENCE STAKE/POST																				
CLJSD 1417	%	100	0	0	948	0	61	0	0	0	**	*****	*****	*****	*****					
CONCRETE CB	CY	800	0	0	6400	0	61	0	0	0	FLAT	2								
FORMWORK FO	SF	6210	0	15	2110	0	0	0	0	0										
ENDPNS MF	LB	1443	0	0	75	0	0	0	0	0										
RESTEEL RF	TN	8	0	0	800	0	0	0	0	0										
CVD INSTL SEC CAMERA SUPPORT																				
CLJSD 1419	%	100	0	0	1354	0	44	3	0	0	**	*****	*****	*****	*****					
CONCRETE CB	CY	80	0	0	150	0	0	0	0	0										
FORMWORK FO	SF	60	0	0	30	0	0	0	0	0										
MISC MET MH	LB	11236	0	0	1124	0	44	3	0	0										
CAS CONTRACT WORK ITEMS																				
CLJSD 1255	%	100	0	24	0	0	15	0	24	21	**	*****	*****	*****	*****					
BUILTOP SK	PCT	100	0	0	0	0	0	0	0	0	FLAT	6								
MASONRY SK1	PCT	100	0	45	0	0	15	0	95	80										
PLASTER SK2	PCT	100	0	0	0	0	0	0	0	0										
FLOOR SK3	PCT	100	0	0	0	0	0	0	0	0										
CENT ALARM STAT MISC STEEL																				
CLJSD 1271	%	100	0	50	1730	101	387	22	53	76	**	*****	*****	*****	*****					
MISC MET MH	LB	18340	0	10000	1000	101	383	27	55	78										
DRFTNG-PFL	SF	800	0	0	64	0	4	6	0	0										
CAS INSTL HEAT PUMP																				
CLJSD 1262	%	100	0	0	40	0	0	0	0	0	**	*****	*****	*****	*****					
ERECTIOM FA1	EA	1	0	0	40	0	0	0	0	0										
CAS HV AC DUCTWORK																				
CLJSD 1263	%	100	0	0	101	23	93	41	0	0	**	*****	*****	*****	*****					
HANGERS MH	EA	4	0	0	81	0	0	0	0	0										
DUCTWORK MH	LB	100	0	0	100	23	93	43	0	0										
FRUIT CABINETS FLOORS																				
CLJSD 1076	%	100	0	57	51542	550	27223	52	37	98	**	*****	*****	*****	*****					
PRGT COA PP	SF	157400	0	27545	51542	550	27223	52	37	98										
FRUIT COATING AB WALLS EL 757																				
CLJSD 1077	%	100	0	64	3700	84	10072	244	94	99	**	*****	*****	*****	*****					
PRGT COA PP	SF	12000	0	11300	3700	84	10062	244	94	99										
AB102 EQUIP PROTECT COATING																				
CLJSD 1079	%	100	0	14	6000	87	879	9	14	3	**	*****	*****	*****	*****					
PRGT COA PP	EA	44	0	0	6000	87	874	9	14	3	FLAT	0								
AB1 EQUIP PROTECT COATING																				
CLJSD 1206	%	100	0	40	6000	0	410	10	40	95	**	*****	*****	*****	*****					
PRGT COA PP	EA	20	0	0	6000	0	410	10	40	95										
BA2 PROTECTIVE COATING																				
CLJSD 1704	%	100	0	13	2170	310	32754	112	43	91	**	*****	*****	*****	*****					
PRGT COA PP	SF	56000	0	24245	25176	310	32755	112	43	91										
BA3 EQUIP PROTECT COATING																				
CLJSD 1706	%	100	0	15	6000	0	127	3	15	90	**	*****	*****	*****	*****					
PRGT COA PP	EA	20	0	0	6000	0	127	3	15	90										
TB HOWLAND SEAT EXPOSED																				
CLJSD 1235	%	100	0	53	110263	451	98251	65	73	98	**	*****	*****	*****	*****					
FIELD CH CR2	PCT	100	0	100	160	0	0	0	100	98										
FEET PIP FP	LF	10000	9	9600	32648	43	24137	73	95	98										
HANGERS HR	EA	601	0	584	12020	31	9392	26	97	98										
TEMPORAR HT	SA	250	0	223	5000	0	2888	47	89	98										
SPT CHAF SK2	PCT	100	0	72	11540	5	3633	30	72	98										
TESTING TSL	LF	27100	105	5756	4500	10	2116	47	71	98										
VALVES VA	EA	300	0	250	6305	19	1752	27	83	98										
WELDING WL	PI	19925	0	17464	19538	174	29473	144	80	98										
2IN PIPIN DU	LF	17000	221	7300	6262	149	14860	34	43	98										
PCFORM PAW COOLANT WTR																				
CLJSD 1236	%	100	0	57	4149	0	2243	71	85	98	**	*****	*****	*****	*****					
PC FORM CT	LF	45007	0	40277	2724	0	1689	48	88	98	FLAT	0								
PC FORM CT	EA	600	0	600	975	0	354	49	99	98										
INSTL REC SYS INSTR																				
CLJSD 1240	%	100	0	74	7658	7	6222	41	74	98	**	*****	*****	*****	*****					
CALIBRAT CA	EA	181	0	50	91	0	0	0	31	98										
FILM IN IN	EA	100	0	149	1502	7	1050	49	73	98										
FEEDBACK IN2	EA	317	0	256	0	0	0	0	81	98										
TUNING PT	LF	7000	1	5172	6250	0	5127	47	73	98										
NOISE TSL PV	EA	80	0	84	0	0	0	0	94	98										
SPT CHAF SK2	PCT	100	0	74	559	0	0	0	74	98										
TESTING TSL	PCT	100	0	74	263	0	50	19	74	98										

P3

DESCRIPTION	UNIT	QUANTITY	MANHOURS	RESTRAINT	DURATION	FF	PL	LT	LATE	XX	NEG	DURATIN	
AND CHARGE #	OF MEAS	TOTAL EST	THIS PERIOD	TO DATE	ACT PERIOD	ACT TO DATE	ACC %	CAC %	SCS %	CH	APR	MAY	JUN

FRW PIPING DGR													
CIX079 R700	%	100	0	93	27188	438	24205	89	91	98	DURATION= 192 LRC=30OCT79 RA=15AUG75 EF=20APR79		
FEET PIP FP	LF	1750	0	1750	9857	51	7216	73	100	99	FF	FF	FF
HANGERS HR	EA	88	0	49	2193	387	8508	167	67	99	FF	FF	FF
TEMPORAR HT	EA	25	0	25	275	0	536	194	100	99	FF	FF	FF
SPT GRAF SK2	PCT	100	0	93	2820	0	1329	47	93	99	FF	FF	FF
TESTING TSI	LF	1758	0	0	933	0	107	10	0	95	FF	FF	FF
VALVES VA	EA	40	0	40	1169	0	369	31	100	99	FF	FF	FF
WELDING WL	DI	4476	0	4476	9822	0	5458	55	100	99	FF	FF	FF
2U PIPIN 2U	LF	12	0	8	120	0	687	57	67	99	FF	FF	FF

INSTALL FRW PIPING PDI HANGER DVGS NEAR CONTAINMENT 5-1-79													
CIX079 R703	%	100	0	54	17393	115	23125	137	54	95	DURATION= 119 LRC=12APR80 RA=04APR77 EF=16JUL79		
FEET PIP FP	LF	1200	0	1010	2217	0	6514	293	84	96	FF	FF	FF
HANGERS HR	EA	73	0	45	1895	0	1388	73	62	96	FF	FF	FF
TEMPORAR HT	EA	75	0	75	900	0	1198	173	100	96	FF	FF	FF
SPT GRAF SK2	PCT	100	0	54	1575	0	553	35	54	96	FF	FF	FF
TESTING TSI	LF	3544	0	0	646	34	107	16	0	88	FF	FF	FF
VALVES VA	EA	44	0	24	918	0	152	16	55	96	FF	FF	FF
WELDING WL	DI	1400	0	1406	3382	0	6000	177	102	96	FF	FF	FF
2U PIPIN 2U	LF	2344	0	296	5860	81	7213	173	13	96	FF	FF	FF

INSTL FRW PIPING ICE													
CIX079 R713	%	100	0	92	43262	337	31647	95	92	97	DURATION= 140 LRC=25SEP79 RA=01SEP76 EF=09MAY79		
FEET PIP FP	LF	1230	0	1276	8676	18	10296	118	103	99	FF	FF	FF
HANGERS HR	EA	70	0	65	2800	0	3257	116	93	99	FF	FF	FF
TEMPORAR HT	EA	17	0	17	340	0	130	38	100	99	FF	FF	FF
SPT GRAF SK2	PCT	100	0	92	2865	4	6034	210	92	99	FF	FF	FF
TESTING TSI	LF	1366	0	300	1115	158	1188	106	27	99	FF	FF	FF
VALVES VA	EA	38	0	24	1126	39	495	43	63	99	FF	FF	FF
WELDING WL	DI	4352	0	4108	16000	3	5315	33	94	99	FF	FF	FF
2U PIPIN 2U	LF	136	0	112	340	115	4932	450	82	99	FF	FF	FF

8-4" BACKWASH STRAINER VALVES - NO SHIP DATE
1/2" TRAIN B CHECK VALVES - REQ - 7-1-79

INSTALL FRW PIPING ABI													
CIX079 R701	%	100	0	82	93837	1451	107544	114	82	96	DURATION= 137 LRC=29NOV79 RA=19DEC76 EF=25JUN79		
FIELD CH CR1	PCT	100	0	100	120	0	132	110	100	97	FF	FF	FF
FIELD CH CR2	PCT	100	0	100	128	0	150	117	100	97	FF	FF	FF
FEET PIP FP	LF	7034	0	6493	35164	24	22443	63	92	97	FF	FF	FF
WFOVFC FPI	LF	575	0	315	800	0	0	0	55	97	FF	FF	FF
HANGERS HR	EA	580	0	481	17334	398	41677	241	83	97	FF	FF	FF
TEMPORAR HT	EA	270	0	241	3240	0	6593	203	89	97	FF	FF	FF
REFITRR I BW	PCT	100	0	0	190	0	139	73	0	90	FF	FF	FF
SPT GRAF SK2	PCT	100	1	82	7900	0	5518	69	82	97	FF	FF	FF
TESTING TSI	LF	10821	0	2250	3010	18	1026	34	21	97	FF	FF	FF
VALVES VA	EA	69	0	51	2287	74	1246	54	74	97	FF	FF	FF
WELDING WL	DI	5400	0	5319	13956	163	12854	92	99	97	FF	FF	FF
REMOVED WL	DI	128	0	0	233	0	0	0	0	90	FF	FF	FF
2U PIPIN 2U	LF	3787	99	1689	9475	774	15566	164	45	97	FF	FF	FF

PCC FRW SYS													
CIX079 R702	%	100	1	46	47468	315	23036	48	46	97	DURATION= 114 LRC=12MAY80 RA=21MAR77 EF=25JUN79		
PCC CABL CC	LF	681000	3870	334956	40860	211	70064	49	49	97	FF	FF	FF
PCC TERM CT	EA	11014	63	3193	6608	104	2970	44	29	97	FF	FF	FF

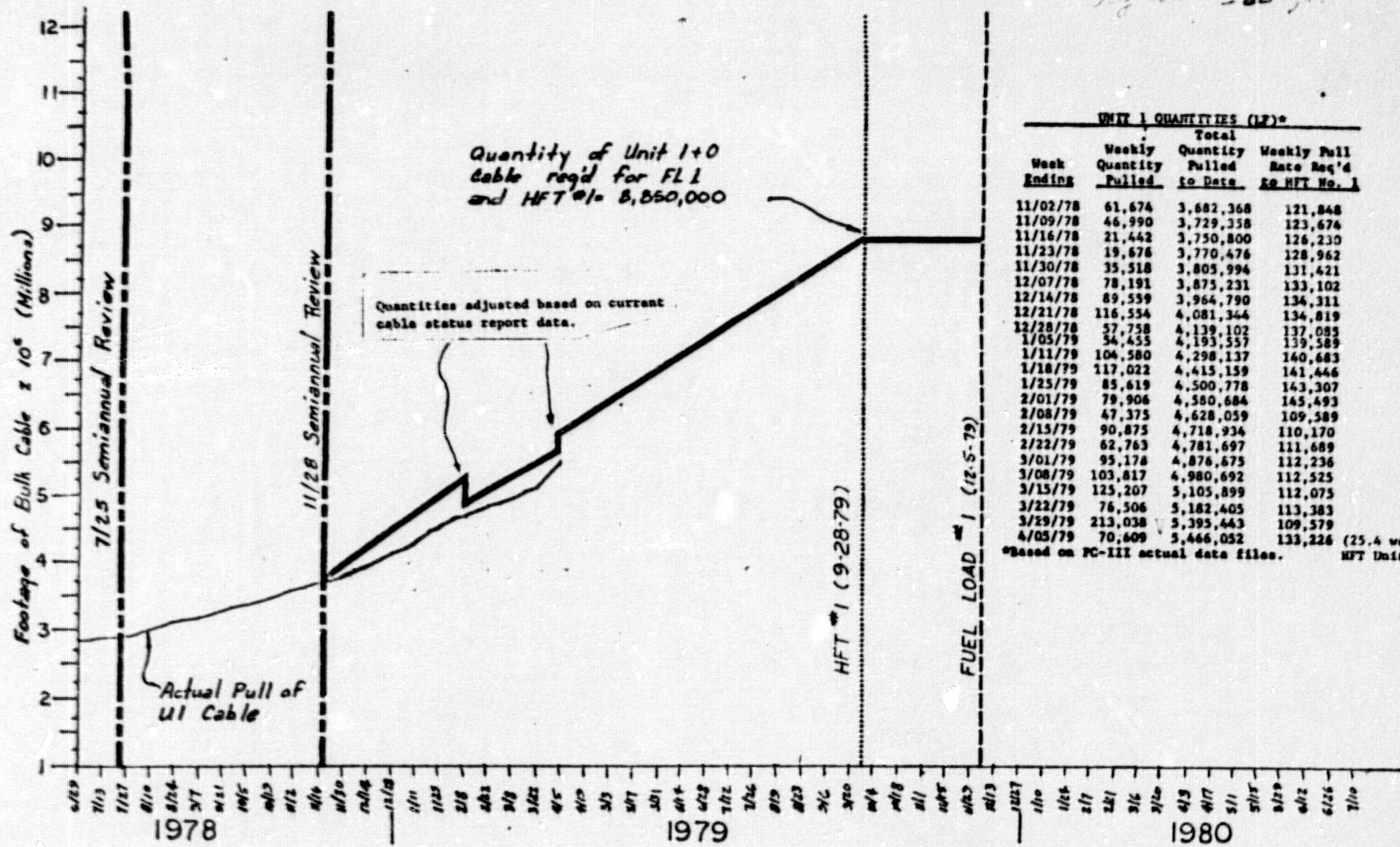
INSTALL FRW INSTRUMENTATION													
CIX079 R706	%	100	1	72	14104	264	17122	101	72	96	DURATION= 117 LRC=27DEC79 RA=10MAY77 EF=03JUL79		
CALIBRAT CA	EA	351	6	177	176	0	0	0	49	96	FF	FF	FF
FIELD IN IN	EA	363	0	136	3357	18	1865	55	37	96	FF	FF	FF
FIELD PR IN2	EA	628	0	268	0	0	0	0	43	96	FF	FF	FF
TUANG PT	LF	12000	227	10338	9000	246	15247	169	86	96	FF	FF	FF
ROOT VAL RV	EA	172	0	12	0	0	0	0	7	96	FF	FF	FF
SPT GRAF SK3	PCT	100	1	72	1064	0	8	0	72	96	FF	FF	FF
TESTING TSI	PCT	100	1	72	507	0	2	0	72	96	FF	FF	FF

FRW SYSTEM PKG I													
CIX079 087L	%	100	0	90	0	0	0	0	90	95	DURATION= 70 LRC=09JUL79 RA=30DEC77 EF=04MAY79		
MECHANIC 3X	PCT	100	0	98	0	0	0	0	98	95	FF	FF	FF
INSTRUM 3X1	PCT	100	0	97	0	0	0	0	97	98	FF	FF	FF
ELECTRIC 3X2	PCT	100	0	75	0	0	0	0	75	98	FF	FF	FF

FRW SYSTEM PKG M													
CIX079 087M	%	100	0	46	0	0	0	0	46	95	DURATION= 76 LRC=23DEC79 RA=30DEC77 EF=19JUN79		
MECHANIC 3X	PCT	100	0	33	0	0	0	0	33	95	FF	FF	FF
INSTRUM 3X1	PCT	100	0	75	0	0	0	0	75	95	FF	FF	FF
ELECTRIC 3X2	PCT	100	0	30	0	0	0	0	30	95	FF	FF	FF

Unit 1 Cable

COMPUTED BY _____ DATE _____ CHECKED BY _____ DATE _____



280 ft.

UNIT 1 QUANTITIES (LF)*

Week Ending	Weekly Quantity Pulled	Total Quantity Pulled to Date	Weekly Pull Rate Req'd to HFT No. 1
11/02/78	61,674	3,682,368	121,848
11/09/78	46,990	3,729,358	123,674
11/16/78	21,442	3,750,800	126,230
11/23/78	19,676	3,770,476	128,962
11/30/78	35,518	3,805,994	131,421
12/07/78	78,191	3,875,231	133,102
12/14/78	89,559	3,964,790	134,311
12/21/78	116,554	4,081,344	134,819
12/28/78	57,758	4,139,102	137,085
1/05/79	54,455	4,193,557	139,589
1/11/79	104,580	4,298,137	140,683
1/18/79	117,022	4,415,159	141,446
1/25/79	85,619	4,500,778	143,307
2/01/79	79,906	4,580,684	145,493
2/08/79	47,375	4,628,059	109,589
2/15/79	90,875	4,718,934	110,170
2/22/79	62,763	4,781,697	111,689
3/01/79	95,178	4,876,875	112,236
3/08/79	103,817	4,980,692	112,525
3/15/79	125,207	5,105,899	112,075
3/22/79	76,506	5,182,405	113,383
3/29/79	213,038	5,395,443	109,579
4/05/79	70,609	5,466,052	133,226 (25.4 weeks to HFT Unit No. 1)

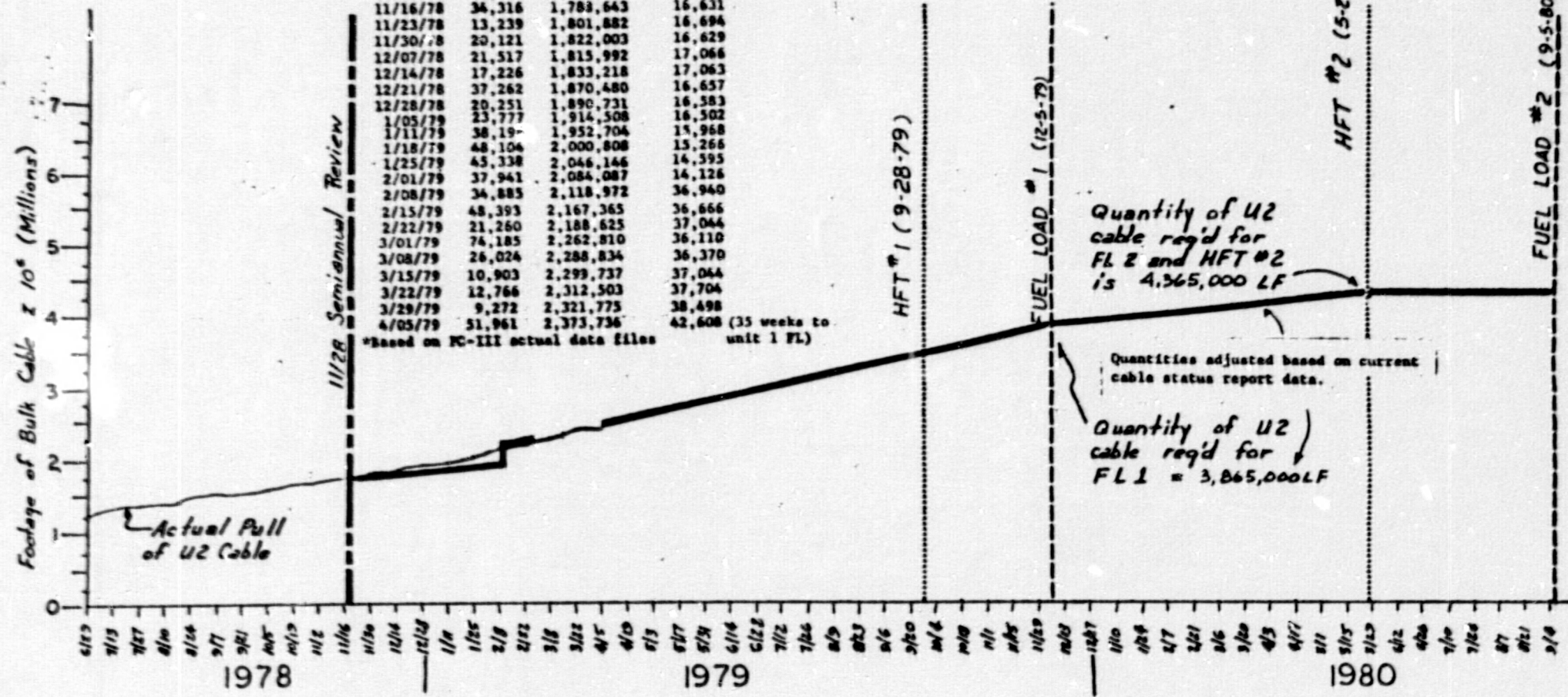
*Based on PC-III actual data files.

Unit 2 Cable

COMPUTED BY _____ DATE _____ CHECKED BY _____ DATE _____

UNIT 2 QUANTITIES (LF)*			
Week Ending	Weekly Quantity Pulled	Total Quantity Pulled to Date	Weekly Pull Rate Req'd (FL No. 1)
11/02/78	37,956	1,735,788	16,976
11/09/78	18,539	1,754,327	16,948
11/16/78	34,316	1,788,643	16,631
11/23/78	13,239	1,801,882	16,694
11/30/78	20,121	1,822,003	16,629
12/07/78	21,517	1,815,992	17,066
12/14/78	17,226	1,833,218	17,063
12/21/78	37,262	1,870,480	16,657
12/28/78	20,251	1,890,731	16,583
1/05/79	23,777	1,914,508	16,502
1/11/79	38,197	1,952,704	15,968
1/18/79	48,104	2,000,808	15,266
1/25/79	45,338	2,046,146	14,595
2/01/79	37,941	2,084,087	14,126
2/08/79	34,885	2,118,972	36,940
2/15/79	48,393	2,167,365	36,666
2/22/79	21,260	2,188,625	37,044
3/01/79	74,185	2,262,810	36,110
3/08/79	26,024	2,288,834	36,370
3/15/79	10,903	2,299,737	37,044
3/22/79	12,766	2,312,503	37,704
3/29/79	9,272	2,321,775	38,498
4/05/79	51,961	2,373,736	42,608 (35 weeks to unit 1 FL)

*Based on PC-III actual data files



Quantity of U2 cable req'd for FL 2 and HFT #2 is 4,565,000 LF

Quantity of U2 cable req'd for FL 1 = 3,865,000 LF

Quantities adjusted based on current cable status report data.

WATTS BAR NUCLEAR PLANT

9 WEEK PREOPERATIONAL TEST SCHEDULE

TEST DESCRIPTION	TEST NO.	APRIL							MAY							JUNE													
		4/9		4/10		4/13		4/20		4/27		5/3		5/10		5/17		5/24		5/31		6/7							
		S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S		S	M	T	W	T	F
PLANT COMMUNICATION SYSTEM	TVA-11A				WT					IT			TVA-11A																RESTRAINT: CABLES NOT PULLED RESPONSIBLE IND Jim Perdue RESTRAINT: RESPONSIBLE IND RESTRAINT: NEED FUNCTIONAL TEST
VENTILATION SYSTEM FIRE DAMPERS	TVA-24				TVA-24								(FUSIBLE LINK DAMPERS IN D.G.B. ONLY)																RESTRAINT: REPLACEMENT DAMPERS (3) PER ECN 1784 (M&L) RESPONSIBLE IND Hank Germal RESTRAINT: RESPONSIBLE IND RESTRAINT: RESPONSIBLE IND
COMPRESSED AIR SYSTEM	TVA-26A				WT					IT			TVA-26A																RESTRAINT: RESPONSIBLE IND RESTRAINT: RESPONSIBLE IND RESTRAINT: RESPONSIBLE IND
PRIMARY WATER SYSTEM	TVA-46									WT			IT																RESTRAINT: CABLES MUST BE PULLED AND TERMINATED TO PUMPS RESPONSIBLE IND Roy Anderson RESTRAINT: PIPING NOT COMPLETED RESPONSIBLE IND Richard Burgess
STATION DRAINAGE CONTROL BLDG. SUMP	TVA-45B(2)									IT			TVA-45B(2)																RESTRAINT: RESPONSIBLE IND RESTRAINT: RESPONSIBLE IND
SHUTDOWN BOARDS	TVA-13A												TVA-13A																RESTRAINT: ANNUNCIATOR CABLE NOT PULLED RESPONSIBLE IND Jim Furdue RESTRAINT: RESPONSIBLE IND
D.G.B. - CO ₂	TVA-35B												IT																RESTRAINT: HANGERS STILL IN SHOP, VALVE IN FCV-39-21 NEEDS REW RESPONSIBLE IND Jim Lamb RESTRAINT: RESPONSIBLE IND
D.G.B. - HVAC	TVA-14C																												RESTRAINT: MOTOR PULLEYS NOT RECD FOR TWO FRAYS RESPONSIBLE IND Roy Anderson RESTRAINT: ECN 1899 RESPONSIBLE IND
D.G.B. BATTERY TEST	TVA-14D(1)																												RESTRAINT: COMPLETE WALKTHROUGH PUNCH LIST ITEMS RESPONSIBLE IND Roy Anderson RESTRAINT: RESPONSIBLE IND
D.G.B. FUEL OIL TEST	TVA-14A																												RESTRAINT: ADDITIONAL HANGERS REQ'D BY ENDRY; F.F.'S TO CRT. RESPONSIBLE IND Tom Eucy RESTRAINT: RESPONSIBLE IND
D.G.B. STARTING AIR	TVA-14B																												RESTRAINT: VALVER REP DUE ON SITE 5/29/79, TEST TO FOLLOW RESPONSIBLE IND Al Lapp RESTRAINT: RESPONSIBLE IND
D.G.B. BATTERY TEST	TVA-14D(2)																												RESTRAINT: VALVER REP DUE ON SITE 5/29/79, TEST TO FOLLOW RESPONSIBLE IND Al Lapp RESTRAINT: RESPONSIBLE IND
DIESEL GENERATOR FUNCTIONALS	TVA-14E																												RESTRAINT: RESPONSIBLE IND RESTRAINT: RESPONSIBLE IND

WATTS BAR NUCLEAR PLANT

8 WEEK PREOPERATIONAL TEST SCHEDULE

TEST DESCRIPTION	TEST NO.	APRIL							MAY							JUNE							RESTRAINT RESPONSIBLE IND						
		4/29		5/6		5/13		5/20		5/27		6/3		6/10		6/17													
		S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S		S	M	T	W	T	F
VITAL 125V DC POWER BATTERY LOAD TEST	TVA-16B																												RESTRAINT RESPONSIBLE IND RESTRAINT RESPONSIBLE IND
EMERGENCY LIGHTING	TVA-36																												RESTRAINT RESPONSIBLE IND RESTRAINT RESPONSIBLE IND 41 FITTINGS MUST BE INSTALLED BEFORE WEATHERING ROY ANDERSON
SEISMIC INSTRUMENTATION	TVA-52																												RESTRAINT RESPONSIBLE IND RESTRAINT RESPONSIBLE IND JULY 22
TURBINE LUBE OIL FLUSH	UNIT 2																												RESTRAINT RESPONSIBLE IND RESTRAINT RESPONSIBLE IND FLUSH
CENTRAL LUBE OIL SYSTEM	NCS-2																												RESTRAINT RESPONSIBLE IND RESTRAINT RESPONSIBLE IND NCS-2
RAW SERVICE WATER SYSTEM	NCS-18C																												RESTRAINT RESPONSIBLE IND RESTRAINT RESPONSIBLE IND ENR DES APPROVAL OF CABLE (LINE COMPUTER TIME AS R.M. PIERCE) SCHEMATIC DRAWING PROGRESS JIM PLEND
AUX. F.W. CONDENSATE STATION DRAINAGE	NCS-31(6)																												RESTRAINT RESPONSIBLE IND RESTRAINT RESPONSIBLE IND NCS-31(6)
MAIN GENERATOR PROTECTION SYS.	NCS-9																												RESTRAINT RESPONSIBLE IND RESTRAINT RESPONSIBLE IND RESTRAINT RESPONSIBLE IND IOR NCS-9
UPPER & LOWER COMPART. SPACE HEATERS	NCS-29																												RESTRAINT RESPONSIBLE IND RESTRAINT RESPONSIBLE IND CABLE PENETRATIONS ROY ANDERSON NCS-29
GLAND SEAL WATER SYSTEM	NCS-21																												RESTRAINT RESPONSIBLE IND RESTRAINT RESPONSIBLE IND RESTRAINT RESPONSIBLE IND IOR NCS-21
CONDENSER VACUUM SYSTEM	NCS-15																												RESTRAINT RESPONSIBLE IND RESTRAINT RESPONSIBLE IND RESTRAINT RESPONSIBLE IND IOR NCS-15
TURBINE GLAND STEAM DRAIN SYSTEM	NCS-3																												RESTRAINT RESPONSIBLE IND RESTRAINT RESPONSIBLE IND RESTRAINT RESPONSIBLE IND IOR NCS-3
CONDENSER VENT. SYSTEM	TVA-30																												RESTRAINT RESPONSIBLE IND RESTRAINT RESPONSIBLE IND RESTRAINT RESPONSIBLE IND TVA-30

TT-TALK THROUGH
 TT-TENTATIVE TRANSFER
 DR-INITIAL OPERATION RELEASE
 SD-SERVICE OPERATION
 --- DURATION OF ACTIVITY

WATTS BAR NUCLEAR PLANT

8 WEEK PREOPERATIONAL TEST SCHEDULE

PAGE 4
 DATE: 4-27-79

TEST DESCRIPTION	TEST NO.	APRIL							MAY							JUNE							RESTRAINT RESPONSIBLE IND							
		4/5		4/6		4/13		4/20		4/27		5/3		5/10		5/17		RESTRAINT RESPONSIBLE IND												
		S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M		T	W	T	F		S	S	M	T	W	T	F
I.P.S. ERC.W. (TRAIN B)																														
FLUSH																														RESTRAINT RESPONSIBLE IND
WT																														RESTRAINT RESPONSIBLE IND
HI																														RESTRAINT RESPONSIBLE IND
ISO																														RESTRAINT RESPONSIBLE IND
HYDRO																														RESTRAINT RESPONSIBLE IND
CHEMICAL CLEAN AUX. FEEDWATER																														RESTRAINT RESPONSIBLE IND
ICE CONDENSER ICE MAKING EQUIP.																														RESTRAINT RESPONSIBLE IND
ICE CONDENSER COOL DOWN	W-10.9(1)																													RESTRAINT RESPONSIBLE IND
CC.W. Sp. (CT Dismantling)	NCS-4C																													RESTRAINT RESPONSIBLE IND
HYPHOMORT SYS.	NCS-35																													RESTRAINT RESPONSIBLE IND
I.P.S. SCREEN WASH PUMPS																														RESTRAINT RESPONSIBLE IND
I.P.S. TRAVELING SCREENS																														RESTRAINT RESPONSIBLE IND
																														RESTRAINT RESPONSIBLE IND
																														RESTRAINT RESPONSIBLE IND
																														RESTRAINT RESPONSIBLE IND
																														RESTRAINT RESPONSIBLE IND

ACTION ITEM LIST

Date 4/26/79

ITEM NUMBER	DATE ENTERED	RESPONSIBLE/ COGNIZANT INDIVIDUAL	DESCRIPTION	REMARKS/STATUS
77-17	12/29/77	M. K. Jones/ S. L. Linginfelter	NCS-27B1 - Turbine Building Ventilation	Test approximately 85% complete. Punchlist items need to be worked off before test can be completed. See Punch List No. 20 R3 Items 33, 43, 45, 46.
78-8	3/17/78	Jim Lamb	NCS-31 - Station Drainage System	The following items are incomplete. Testing can be conducted in parts as the items are completed: 1. Sump pumps A & B do not meet specified flow requirement.
78-9	3/1/78	1. M. K. Jones 2. Ed Austin 3. Jim Purdue	NCS-16 - Auxiliary Boiler and Fuel Oil Sys	Test approximately 70% complete. The following items are needed to complete the test. 1. Evaporator Condensate Drain Pump circuit test. 2. Fuel transfer pump control circuit test. 3. Level switch not wired in. O-LS-18-14D, 40D, 39D, 38D
78-10	3/23/78	M. K. Jones/ W. R. Jones	TVA-43A (Unit 1) - Cranes and Heavy Equipment (175-Ton Reactor Polar Crane)	Test approximately 50% complete. Remainder of test will be completed after tentative transfer.
78-11	3/23/78	M. K. Jones/ W. R. Jones	TVA-43A (Unit 2) - Cranes and Heavy Equipment (175-Ton Reactor Polar Crane)	Test approximately 50% complete. Remainder of test will be completed after tentative transfer.
78-15	5/17/78	Jim Purdue	NCS-12 - 120-V AC Preferred Power System	Test 99% complete. Verification that permanent power feeder (480-V Aux. Building Common Boards will carry the maximum recharge current. Need following cables pulled and terminated: PL338, PL340, 1PL4931, 2PL4931, 1PL4932, 2M5, 2PL4904, 2PL4932
78-21	10/12/78	M. K. Jones/ H. W. Bennett	NCS-3 - Extraction Steam System	95% of test complete. Piping vibration tests at 100% load is left.

ACTION ITEM LIST

Date 4/26/79

ITEM NUMBER	DATE ENTERED	RESPONSIBLE/ COGNIZANT INDIVIDUAL	DESCRIPTION	REMARKS/STATUS
78-24	10/19/78	1. Jim Lamb 2. Jim Lamb 3. D. Eidson 4. D. Eidson 5. D. Eidson	NCS-22A - Heater Drains and Vents	<ol style="list-style-type: none"> 1. Resolve problem of oil overflowing from Unit 1 No. 3 and No. 7 Heater Drain Pumps bearing sumps when auxiliary oil pumps are running. 2. Replace defective relief valve for auxiliary oil pump 1A of no. 7 Heater Drain Pump A. 3. Complete installation of MFPT Condenser Drain Tank Bypass to Condenser Valve. Functionally check level switch 1-LCV-6-209 and associated control loops. 4. Functionally check level (1-LS-206-A, 1-LS-206-B switches and associated control loops. 5. Complete installation of No. 3 and No. 7 Heater Drain Tank Bypass to Condenser Valve 1-LCV-6-105B and functionally check valves (1-LCV-6-105A, B & 1-LCV-6-190A, & B and associated control loops.
78-22	10/12/78	Ed Austin	NCS-1A - Gen. Cooling Sys (Seal Oil Sys)	<ol style="list-style-type: none"> 1. Complete H₂ side of Seal Oil Pump alarm to panel 1-L-39.
78-23	10/12/78	D. Eidson	NCS-1B - Gen. Cooling Sys (Stator Cooling Water Sys)	<p>Flush stator cooling water system supply</p> <p>Complete "Gen. H₂ Press. Low" @ 1-XA-55-2A-15.</p>
78-26	11/22/78	M. K. Jones/ J. F. Bledsoe	TVA-11B - Plant Communication System	Completion of System in Auxiliary and Reactor Building needed, at ambient noise levels of operating equipment

ACTION ITEM LIST

Date 4/26/79

ITEM NUMBER	DATE ENTERED	RESPONSIBLE/ COGNIZANT INDIVIDUAL	DESCRIPTION	REMARKS/STATUS
78-27	11/22/78	M. K. Jones/ S. L. Lingiafelter	NCS-27B(2) - Turbine Building Cooling	Require completion of Unit 2 RCW to schedule remaining portion of test.
78-30	12/14/78	M. K. Jones/ J. C. Nix	TVA-43B - Cranes and Heavy Equipment (125-Ton Auxiliary Building Crane)	Test will be completed when crane is transferred.
78-17	5/25/78	Jim Purdue	TVA-16A - 125-V DC Power System (Battery Discharge Test)	Test approximately 99% complete. Verification that alternate power feeder will carry the the maximum recharge current (480-V Shutdown Boards).
79-2	2/9/79	M. K. Jones/ W. E. McNair	NCS-23A - Feedwater Condensate System	Complete test switch circuit to solid state protection devices. W must produce internal wiring diagram for Panel R-52. Solid State Protection will not be complete until fall.
79-3	2/23/79	Ed Austin	NCS-18A - Raw Cooling Water Sys (Pumps & Strainers)	Need the following items completed. 1. Raw cooling water bypass strainers wired.
79-5	3/8/79	Jim Purdue	TVA-15 - Vital 120-V AC Power Sys	Need the following items completed: 1. Perm. cables for sync. signals: 2PL4904, WPL4917

ACTION ITEM LIST

Date 4/26/79

ITEM NUMBER	DATE ENTERED	RESPONSIBLE/ COGNIZANT INDIVIDUAL	DESCRIPTION	REMARKS/STATUS
79-6	3/8/79	Jim Purdue	NCS-19 - Secondary Chemical Treatment	Need the following items completed: <ol style="list-style-type: none"> 1. Stroke controllers on "C" pumps (Aux. Blr.) 2. The following instruments need wired, HIS-36-15, HIC-36-32. 3. Need power to titration room.
79-7	3/14/79	<ol style="list-style-type: none"> 1. Ted Hays 2. Jim Lamb 3. Jim Lamb 	NCS-18B - RCW Flow Test	<ol style="list-style-type: none"> 1. Flow elements need to be installed. 2. Valve 1-24-800 El. 708 T3h leaks. 3. Seal Oil Heat Exchanger - (a) Valve 1-24-548 leaks also possible leaks flow through valve when closed.

WATTS BAR NUCLEAR PLANT
DESIGN EFFORT PERCENT COMPLETION

AS OF
MARCH 24, 1979

	<u>M/M⁽¹⁾ Cumulative</u>	<u>M/M⁽¹⁾ Remaining</u>
TPE	3,238.6	1554.8
TPED	11,281.6*	2092.5
SPED	3,207.1	493.4
EN DES**	<u>4,814.9</u>	<u>0.8</u>
	22,542.2	4141.5

*Flow - 270 MM/yr
U1 - 120 MM/yr
U2 - 100 MM/yr*

$$WBN = \frac{22,542.2}{26,683.7} = 84.5\% \text{ EN DES Actual Complete Man-Months}$$

	<u>Actual %</u>	<u>Scheduled %</u>
Total Man-Months Comp	84.5	84.2
Total Quantity	84.0	83.0

*24,084.8
22,542.2
1,542.6 MM
from now to U-1
fuel loading.*

Unit 1

$$\frac{(M/M \text{ Sch to Unit 1 FL}) 24,084.8}{(\text{Total Scheduled M/M}) 26,683.7} = 90.3\% \text{ EN DES Complete at Unit 1 Fuel Loading}$$

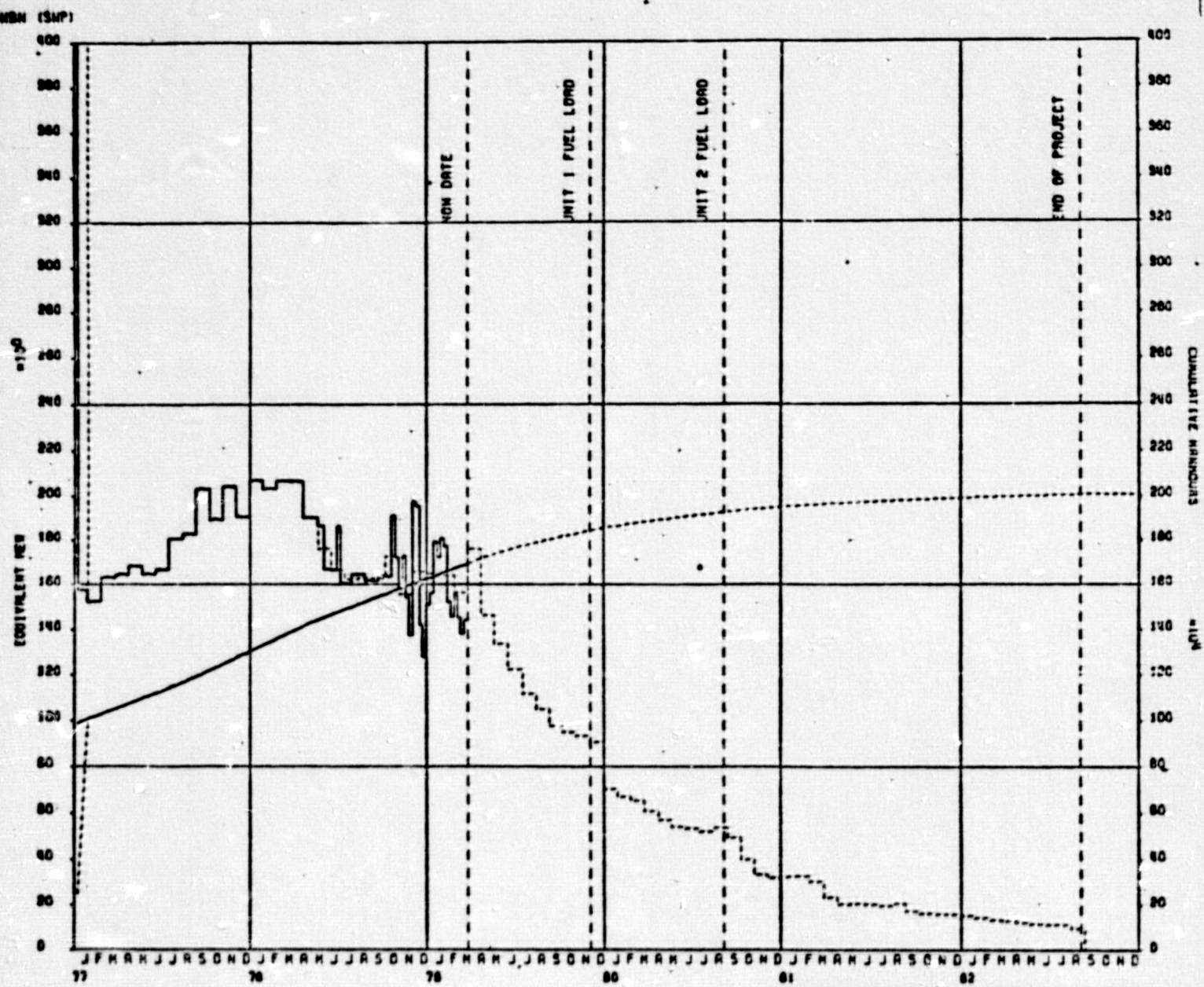
Unit 2

$$\frac{(M/M \text{ Sch to Unit 2 FL}) 25,117.4}{(\text{Total Scheduled M/M}) 26,683.7} = 94.1\% \text{ EN DES Complete at Unit 2 Fuel Loading}$$

(1) Man-months shown were taken from the March 24, 1979, Multiproject Schedule Level 0 Report

*This includes charges by Contract Engineer Personnel.

**The man-months of cumulative activity shown represents that charged to the branches prior to reorganization plus cumulative Division Staff charges.



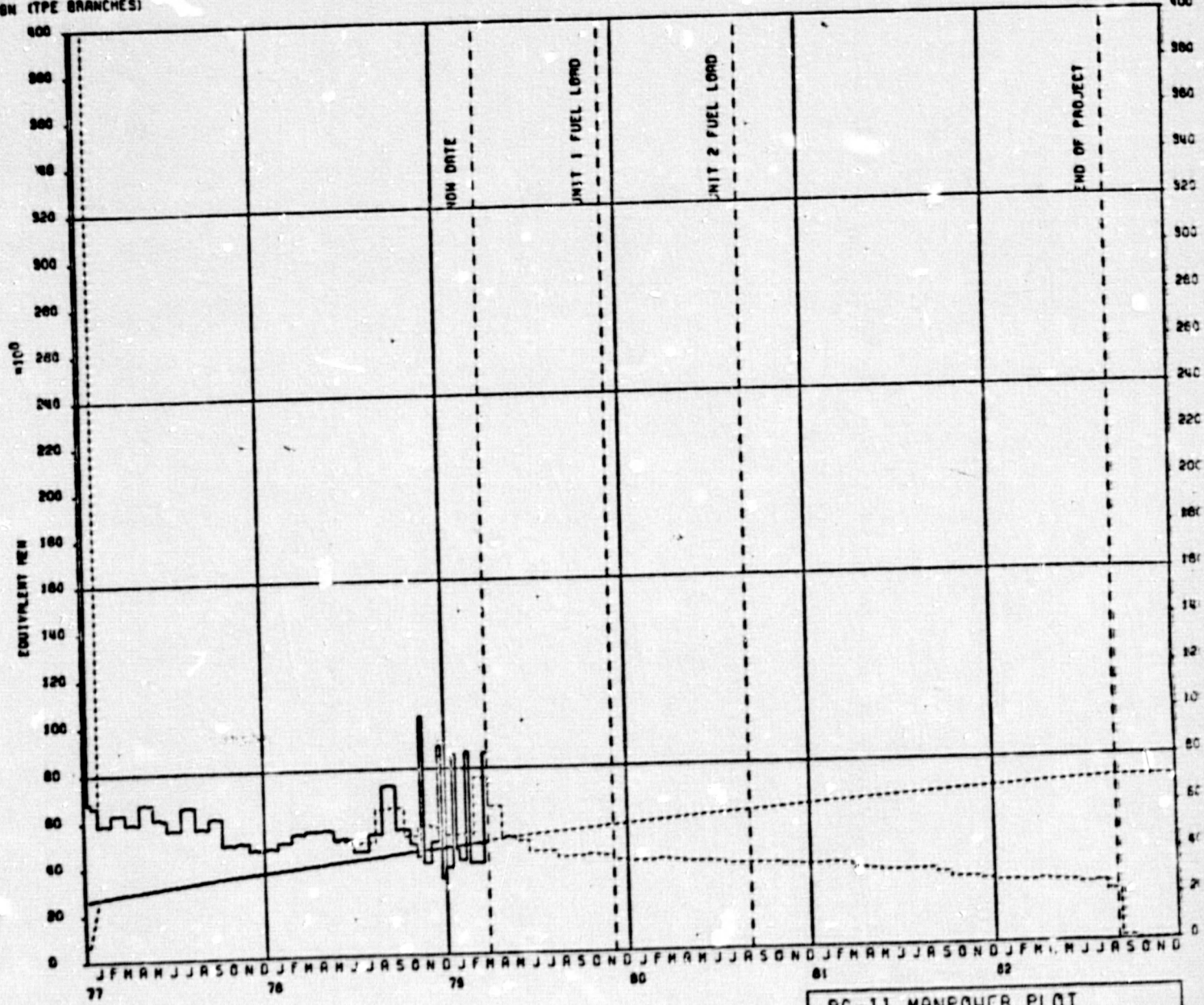
PC-II MANPOWER PLOT
 WBN (SWP)
 BASED UPON AVERAGE START
 FOR TIREMOW DATE 24MAR79

TENNESSEE VALLEY AUTHORITY

LEGEND
 --- AVERAGE START ESTIMATE
 ——— ACTUAL

04/02/79 PCS

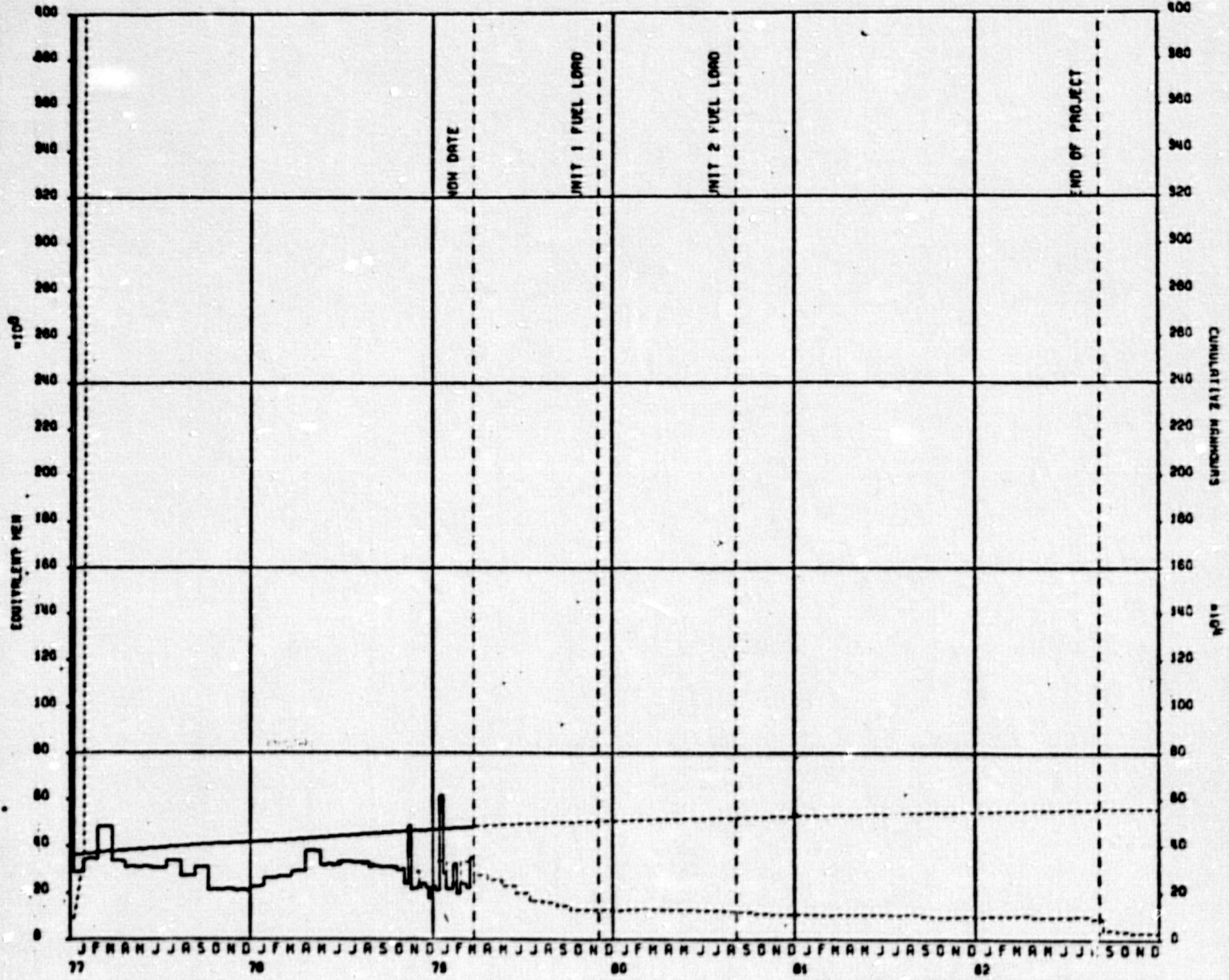
BN (TPE BRANCHES)



PC-11 MANPOWER PLOT
WBN (TPE BRANCHES) BASED UPON AVERAGE START FOR TIME NOW DATE 24MAR79
TENNESSEE VALLEY AUTHORITY
LEGEND --- AVERAGE START ESTIMATE — ACTUAL

04/02/79 PCS

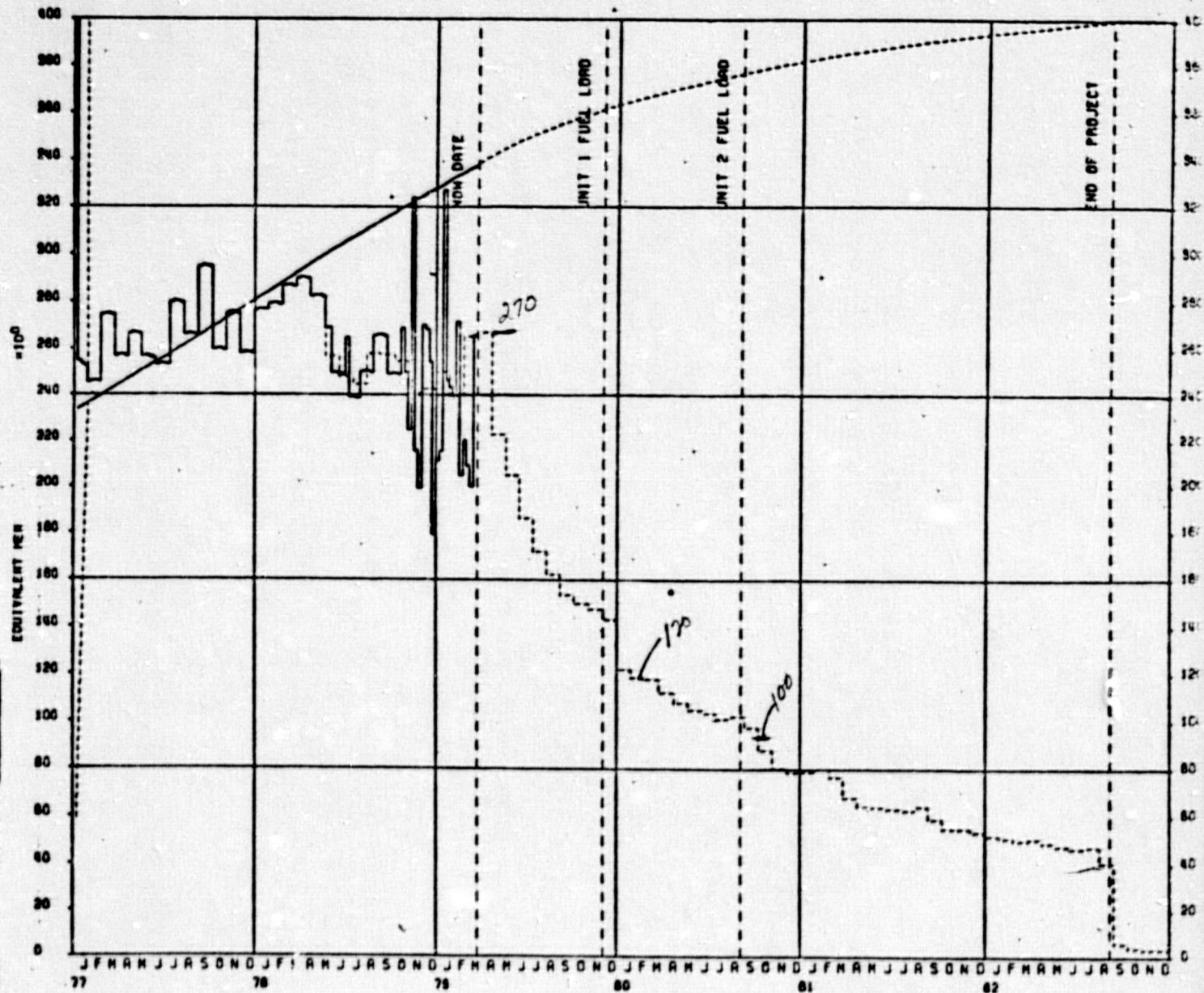
WBN (SPEDBRANCHES)



PC-11 MANPOWER PLOT	
WBN (SPEDBRANCHES) BASED UPON AVERAGE START FOR TIMENON DATE 24MAR79	
TENNESSEE VALLEY AUTHORITY	
LEGEND	
---	AVERAGE START ESTIMATE
—	ACTUAL

04/02/79 PCS

WEN (EN DES)



PC-11 MANPOWER PLOT	
WEN (EN DES) BASED UPON AVERAGE START FOR TIMENOW DATE 24MAR79	
TENNESSEE VALLEY AUTHORITY	
LEGEND	
---	AVERAGE START ESTIMATE
—	ACTUAL

04/02/79 PCS

4-MONTH PRE-OP TEST SCHEDULE
(TVA TESTS)

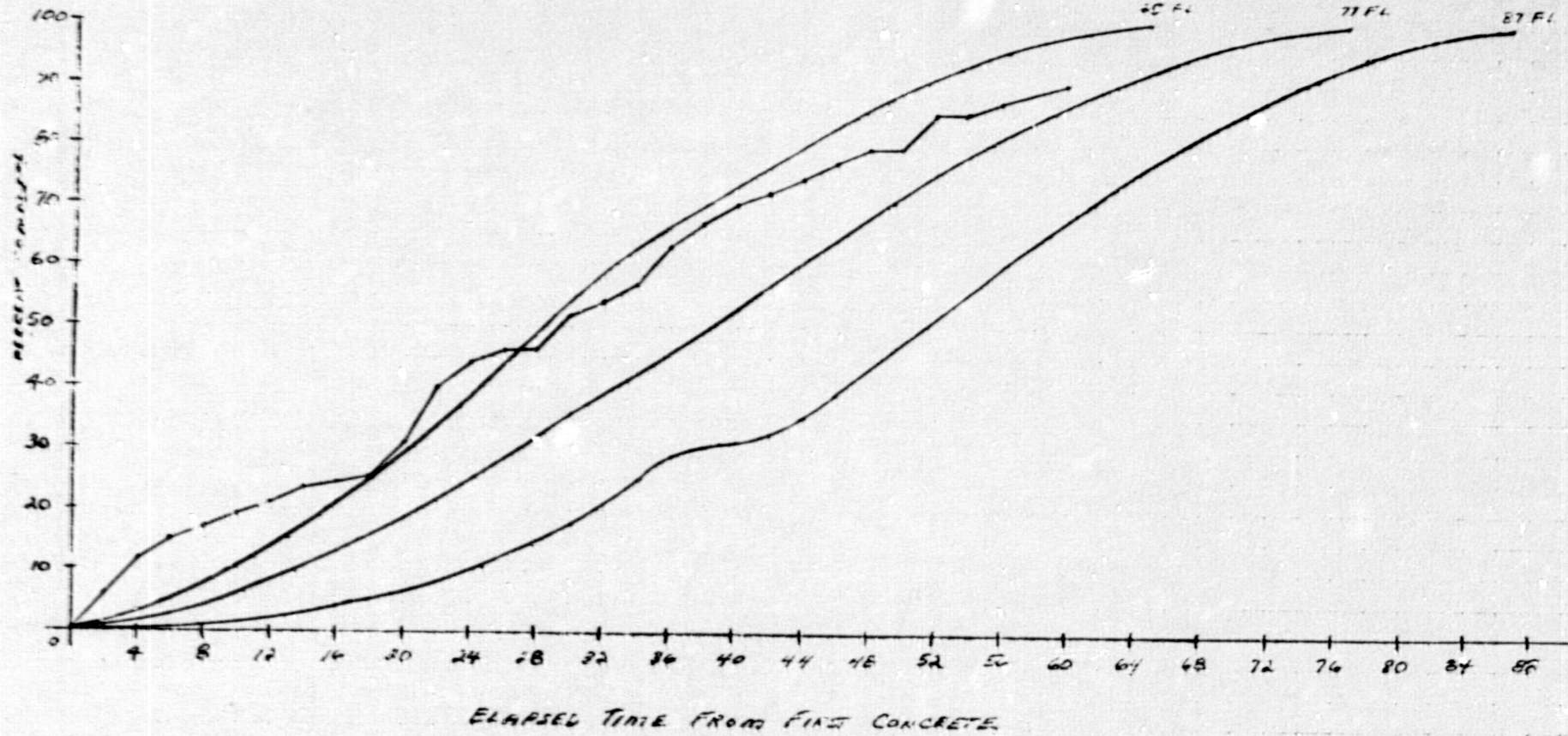
<u>Test</u> <u>TVA-</u>	<u>Respons. ST&C</u> <u>Engr.</u>	<u>Work Pkg(s)</u> <u>Applicable</u>	<u>Remarks</u>
2B	SDM	Later	
2C	SDM	Later	
6	RBJ	Later	
8	SDM	Later	
10(1)	RBJ	Q31B, Q31C	
10(2)	RBJ	Later	
11A	JSW	N/A	
11B(2)	JSW	N/A	
12D	JSW	N/A	
13A	JSW	N/A	<u>Test in progress</u>
13B	JSW	Later	
13C	JSW	Later	
14A	RKS	Q18B, Q18A	
14B	JSW	Q82A	
14C	RBJ	Q30B	Requires system balanced
14D(1)	JSW	N/A	Test not issued; needed immediately
14D(2)	JSW	N/A	Test not issued
14E	JSW	N/A	Test not issued
15	JSW	N/A	
16B	JSW	Later	
18A	RBJ	Q67L	Installation incomplete
20(1)	SDM	Q70L	Installation incomplete
22(1)	EDM	Q02B, Q02E, Q03E, Q02C, Q43P, Q46A	
24	SDM	N/A	Test to begin in DGB (fusible link only)
26A	EDM	Q32C	ECN work in progress; waiting on material
30	JLA	Later	
31	CMS	N/A	
32	CMS	Later	
33	CMS	Later	
34	JLA	Q77D	Installation almost complete
35A	EDM	Q39A, Q39C	MEU has material problems; no shipping dates
35B	JLA	Q39B	Waiting on hangers
36	RKS	N/A	Electrical work progressing
38	EDM	Later	
37	JLA	Q77B, Q35C, Q62B, Q63A	Installation not proceeding
40(1)	EDM	Q01	Must complete rupture restraints in AB
42	JSW	Q47B, Q24C	
45B(2)	HAL	Q40D	To be rescheduled; new control panels need to be ordered
46	JLA	Q81D	Worklist issued
49	CMS	Later	Test not issued
50	ERG	Later	
52	CMS	N/A	Requires cable pulled in AB
53	ERG	Later	
54	JSW	Later	

4-MONTH PRE-OP TEST SCHEDULE
(NON-CRITICAL SYSTEMS TESTS)

<u>TEST</u> <u>NCS-</u>	<u>RESPONSIBLE</u> <u>ST&C ENGR.</u>	<u>WORK PKG(S)</u> <u>APPLICABLE</u>	<u>REMARKS</u>
1C	HJL	Q24G, Q39A	
2	RBJ	Q20A, Q20B	Perform during or after unit 2 oil flush
4A	HJL	Q27C	<u>Test in progress</u>
4C	HJL	Q27C	Worklist issued
5	RBJ	Later	Partial test
9	HAL	N/A	
10	JSW	N/A	Completion of remaining items
15	HAL	Q2C, Q2D, Q24A, Q47C	Installation not complete
16(2)	JLA	Q12B, Q18B	
18C	JSW	Q25B	Indefinite; EN DES problems
21	HAL	Later	
24(2)	JSW	N/A	
23A	EDM	Later	<u>Test in progress</u>
29	SDM	N/A	Indefinite (waiting delivery of terminators)
31(1)	HJL	N/A	
31(3)	HJL	Later	
31(5)	HJL	Q40F	
33B	RKS	Later	
35	HAL	Q50A	Indefinite; pending vendor information on terminations

4-MONTH PRE-OP TEST SCHEDULE
(WESTINGHOUSE TESTS)

<u>TEST</u> <u>W</u>	<u>RESPONSIBLE</u> <u>ST&C ENGR.</u>	<u>WORK PKG(S)</u> <u>APPLICABLE</u>	<u>REMARKS</u>
1.4	ERG	Q68A	
3.1A(1)	SDM	Q63(all)	
3.1B	SDM	Q63G	Indefinite; EN DES hold on drawings
3.1C	SDM	Q63H	
3.1D	SDM	Q63I	
3.1E	SDM	Q63J	
4.1(1)	RKS	Q74A	System is not complete
6.2B(2)	ERG	Later	
9.9	HAL	N/A	<u>Test in progress</u>
9.10	HAL	Later	<u>Test in progress</u>
10.1A	RKS	Q78A	Worklist issued Jan. 9, 1979
10.1B	RKS	Q78A	
10.1C	RKS	Later	
10.7A	ERG	Later	
10.7B	ERG	Later	
10.8(1)	ERG	Later	
10.8(2)	ERG	Later	
10.8(3)	ERG	Later	
10.9(1)	RBJ	Later	
10.10	HAL	Later	



FOUR MONTH PREOPERATIONAL TEST SCHEDULE WBNP

ISSUE DATE: 4-2-79

▷ DENOTES CONSTRUCTION COMPLETION DATE

