851104

Appendix A

603-474-3307

Craft workforce – at that craft that can be managed effectively

Best measure of productivity (corrs) from sustained install rates for a particular project compared to industry norms

Status of engr., design & procurement – is ahead of constr. except on pipe hangers. This is a critical area in completing the plant for preop testing

Turnovers & preop testing – There is a need – defined and scoped turnover boundary & there are sequences & dates for each syst. turnover & it is shared with the constr organizations. Question might be that some of these turnovers are leading to excessive exceptions that must be resolved before or after testing has commenced.

Normal preop testing of major safety systems will use 6 mos & 4 mths is complete, including acceptance tests

~~consultants~~
~~MHB was hired~~

MHB consultants were hired by Mass. ~~State~~ ~~Electric~~ to make a determination on Seabrook's construction completion dates.

not two full shifts Overly optimistic about one shift with selected second shift – not full use of craft workforce

A1

* They have severe limits on overtime because of budget & it is starting to show for hot functional.

* Applicant was up front with their problems

* Data from lead procurement engineers involved on the pipe problem with levering It was going to be 150,000 man hours if all of it has to replace (large & small bore)

* Pipe supports may have a small delay on hot functional

Write up our letter try to pull together about we talked about to say why we are comfortable

limitation on money expenditure
large bore hangers
small " "
HVAC
Insulation
Painting
Housekeeping

Statement about verification which gives us higher confidence of success i.e. it will not lead to major design or rework & to date this is OK

Identify their problem areas

Sept 4, 1985

- Summary since the last costload forecast (3/84) ~~Last~~ and startup in 7/84.

Any additional handouts expected

1020 BIP needed to fuel load

Approx 220 BIPs turned over in last yr.

- Heating, stairwell lighting, the odds & ends are the BIP in many buildings

Areas under Mgt review

- HVAC completion
- Cable & raceway
- Emer. Plans -
- Project mgt. transition

Assumptions based on funding problems resolved beyond of 9/85. Spending rate 8×10^6 per wk and assuming it will be at this rate.

- Have a 3 level sched. sept.
  - Level 1: is overall project status
  - Level 2 - ~~intermediate~~ level of detail - is mgt level - [illegible]
  - Level 3 - identifies at commodity level what is remaining for sept.

1,030,156
880,249
153,000

253
180
73

- danger Tracking System - tracks all hangers for hot functional

- Phase 3 is an integrated system test

  for HFT need 42°
  PT-40 is controlling procedure that has 13 ~~letter~~ parts

- Majority original design work is being done in Phila. ~ 200 engineers involved. Engineers on site are to support construction

- Updates as-built drwgs needed for station ops — where are they, how have you been doing
  3 types of drwgs being used by station op staff: PI+D, logic drwgs & wiring diagram

* - FSAR Review

- PAPSCOT - Piping & Support analyses Reconciliation only started at 5%

- Paint qualification in containment has ~~if~~ been tied down

- Send response to IE on OPS-H

PSB site visit Sept 18, 19+20 – is this ok with applic

1. What does MRF stand for? (Pg. 2.1-4)

2. (pg 2.1-4) Which work has the pot for deferment to comm ops originally 1st shift, plus electrical 2nd shift

3 (pg 2.1-4) How has work being worked (add 1st + 2nd shift hours)

4. Sect 1.2, "Testing Schedule" has to be identical (?) to Sect 1.3 "Percent Completion" – what significance of this? What are they saying here

5 Chart on pg 2.2-1, is this chart suppose to show me all the buildings that are to see closeout for HFT? Note that a number of them were suppose to be closeout at the end of 6/85. Did they make it? Yes

6. Pg 2.3-5 What is "* ... dump sum ... mean? Give example. What does "Req. Required Install date" mean. ... the rate to meet the 4/30/86 ... completion date? (Why is the ... shown to be higher than the orig. rate in a number of these charts).

7. Pg 2.3-10 What are tube trays?

8. ... (... 2.3-14)

9. Pg 2.3-12 ... the ... rate

10. Pg 2.3-16 What is this chart suppose to show me

11. Pg 2.4-2, Note that painting inside containment will require ~~a~~ 24 painters working around the clock for ~~one~~ ~~day~~ to finish activity .8 yr (the time for fuel load)

12. Pg 2.4-3 Is this sig. work to comple in conj for HFT? YES. (Look at heading of last col.)

13. Pg 2.5-2 What is the significance of this table. How do I use it to tell how much? How does it tie into telling me what the story is for completing the jet for fuel load.

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

Docket No.: 50-443

Mr. Robert J. Harrison
President and Chief Executive Officer
Public Service Company of New Hampshire
Post Office Box 330
Manchester, New Hampshire 03105

Dear Mr. Harrison:

SUBJECT: SUMMARY OF SEPTEMBER 4 AND 5, 1985 CASELOAD FORECAST PANEL VISIT

By letter dated May 24, 1985, the NRC informed Public Service Company of New Hampshire (PSNH) that we planned a Caseload Forecast Panel visit at the Seabrook site on July 9, 10, and 11, 1985. To faciliate our assessment, we requested that PSNH respond to 20 questions relating to the detailed status of construction and preparation for fuel load at Seabrook. By letter dated June 14, 1985, PSNH requested the staff reschedule the visit to September 4, 5 and 6, 1985 and the staff agreed to this request. PSNH provided the requested information to the May 24, 1985 letter by letter dated August 19, 1985.

On September 4, 1985, the NRC Caseload Forecast Panel visited the Seabrook site for the purpose of reviewing construction progress and obtaining information for assessing PSNH's projected fuel load date.

At a meeting preceding the plant tour PSNH discussed the status of the construction completion and presented the panel with the then current Seabrook Project Milestone Network dated August 30, 1985, (Enclosure 1). That schedule identified a PSNH projected fuel load date of June 30, 1986.

The Caseload Forecast Panel toured the facility on September 5, 1985 with PSNH representatives to observe the construction status and preparations for preoperational and hot functional testing. Following the tour the staff met briefly with PSNH and discussed the progress of Seabrook's preoperational testing program as compared with the schedule of actual completion of those tests at Callaway and Wolf Creek ~~vs. Seabrook. PSNH provided some information which allowed the staff to compare the relative progress of the preoperational acceptance tests at Callaway and Wolf Creek (Enclosure 2).~~

Based on our review of material provided by PSNH and our observations during the September 4 and 5, 1985 site visit, the Caseload Forecast Panel has concluded that completion of the Seabrook Station, Unit 1 construction in the April-June 1986 time frame is achievable. While arriving at this conclusion, the panel recognizes that some contingency has been allowed in the preoperational and startup testing programs. However, a high degree of successful completion in a timely manner will be required by PSNH to conclude these programs within the projected range of dates.

A-2

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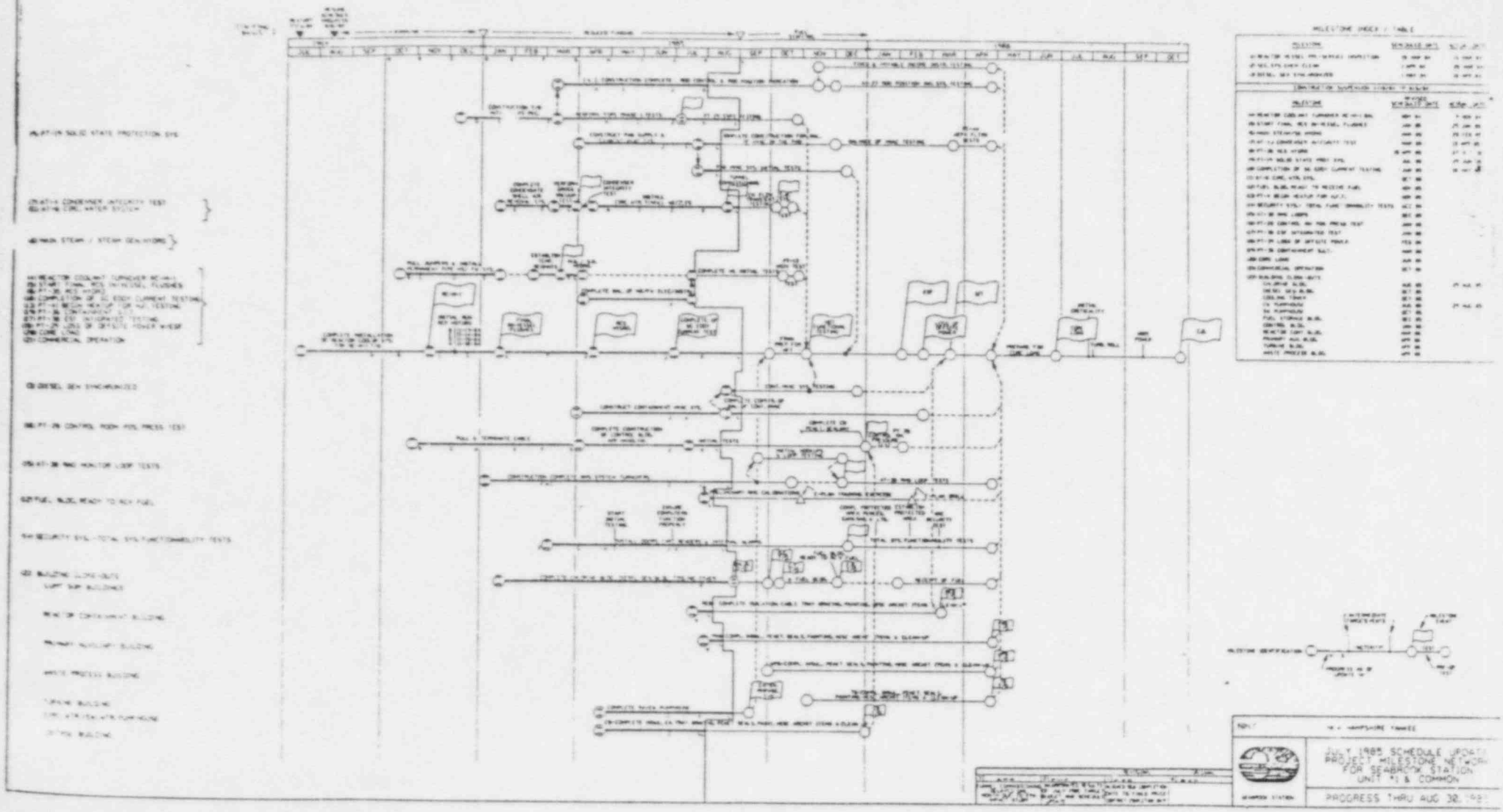
A-3

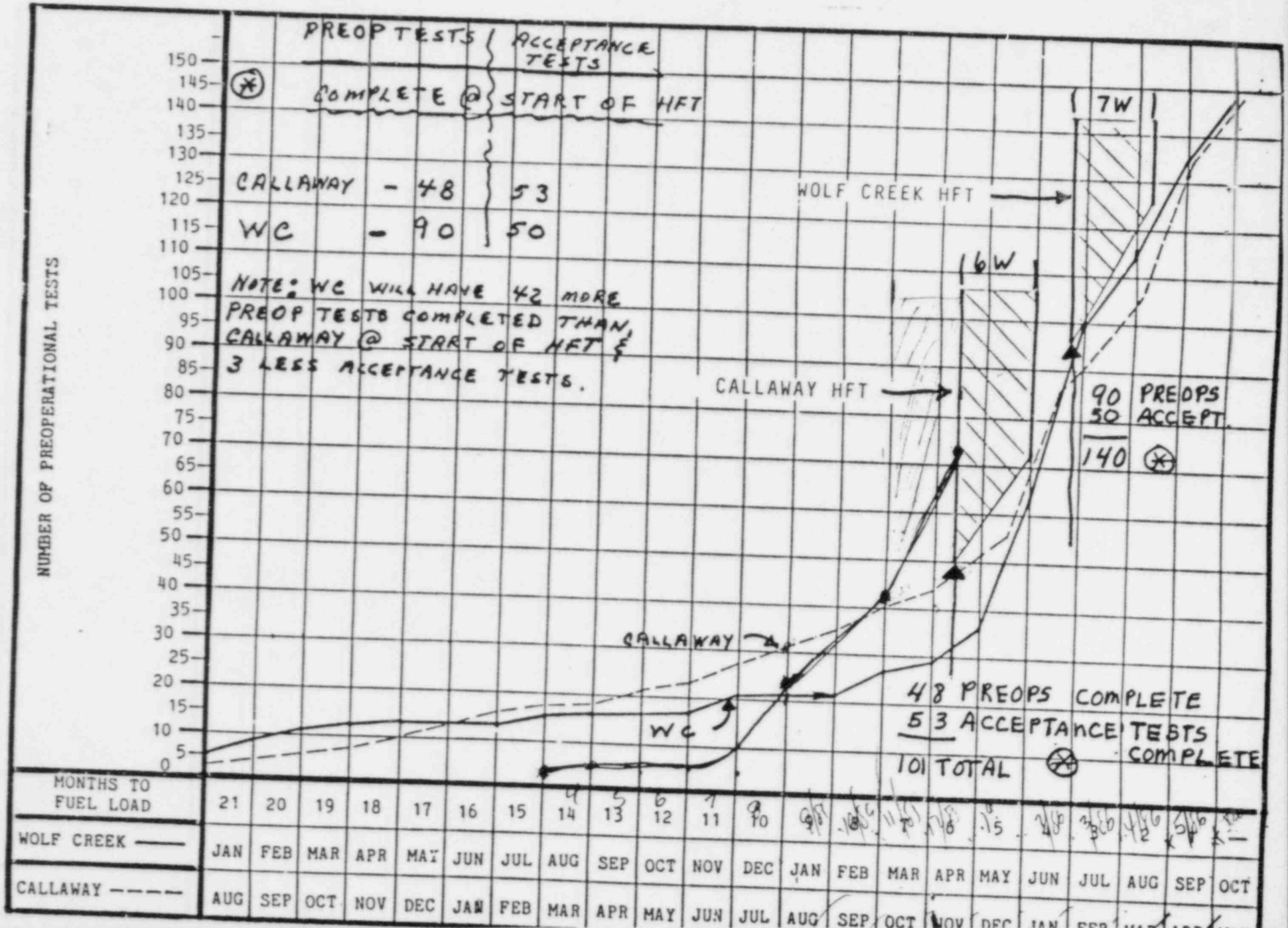


JULY 1985 SCHEDULE UPDATE
PROJECT MILESTONE NETWORK
FOR SEABROOK STATION
UNIT #1 & COMMON

PROGRESS THRU AUG 30, 1985

A-4

RSG
5/24/84


NUMBER OF PREOPERATIONAL TESTS
PREOP TESTS | ACCEPTANCE TESTS
COMPLETE @ START OF HFT
CALLAWAY - 48 | 53
WC - 90 | 50
NOTE: WC WILL HAVE 42 MORE PREOP TESTS COMPLETED THAN CALLAWAY @ START OF HFT & 3 LESS ACCEPTANCE TESTS.
WOLF CREEK HFT
CALLAWAY HFT
7W
6W
90 PREOPS
50 ACCEPT.
140
CALLAWAY
WC
48 PREOPS COMPLETE
53 ACCEPTANCE TESTS COMPLETE
101 TOTAL
MONTHS TO FUEL LOAD
21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
WOLF CREEK
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT
CALLAWAY
AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY

CLI 9/85
3.2-6
RAI 8

SEABROOK STATION

A.T. PERFORMANCE COMPLETION

		RESULTS ACCEPTED
1-AT-3.1	Condensate System	7/31/85
1-AT-4.1	AR-Condenser Vacuum & Integrity	4/24/85
1-AT-4.2	AR-Water Box Priming	4/18/85
1-AT-5.1	CAS-Auxiliary Boiler	9/27/84
1-AT-5.2	CAS-Condensate	5/8/85
1-AT-6.1	Circulating Water Pump Ctl Check	6/26/85
1-AT-7	Secondary Component Cooling	4/4/84
1-AT-12.1	Instrument & Service Air - Plant	2/22/85
1-AT-13.1	Fire Pump Flow Capacity	9/20/84
1-AT-13.2	Fire Pump House HVAC	5/16/84
1-AT-13.8	Transformer Area Fire Protection	4/12/84
1-AT-36	Turbine Steam Seal	4/26/85
1-AT-37	Feedwater Pump Lube Oil	7/31/85
1-AT-38	Auxiliary Boiler	9/1/83
1-AT-39	Lube Oil Transfer & Purification	11/15/84
1-AT-40	Water Treatment	5/16/84
1-AT-41	Main Lube Oil	10/23/84
1-AT-42.2	EHC Fluid	9/20/84
1-AT-43	Generator Seal Oil	9/12/84
1-AT-44	Generator Stator Cooling	5/22/85
1-AT-46.1	Demineralized Water	10/23/84
1-AT-51	Service Building RCA Heat & Vent	7/6/83
1-AT-55.1	Administration Building Ventilation	6/27/83
1-AT-55.3	Administration Building Chilled Wtr	11/24/82
1-AT-60	Generator Leak Test	4/4/84
1-AT-62	Generator H2 & CO2 Gas	1/23/85
1-AT-5.3	CAS S/G Recirc & Wet Layup	8/30/85