

The Matter of Entry Under Vermont Statute No. 245

Case No. 50-231 Official Exhibit No. NEC-UW-07

REFERRED by: Applicant/Licensee Intervenor/ NRC

NRC Staff Other NEI

ENTERED on 7/23/08 Witness Panel W/IB

by Taker: ADMITTED REJECTED WITHDRAWN

MAC

**Cornerstone Rollup**

Program: Flow Accelerated Corrosion

Plant: VERMONT YANKEE

Quarter: 3rd

Last Update: 10/03/2006

August 12, 2008 (11:00am)  
OFFICE OF SECRETARY  
RULEMAKINGS AND  
ADJUDICATIONS STAFF

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Monitored Parameter Criteria Color Total Quality Points Comments

Monitored Parameter	Criteria	Color	Total Quality Points	Comments
<b>Overall Program</b>	Green: 110 - 120 White: 85 - <110 Yellow: 75 - <85 Red: <75	Green	110	
<b>Program Personnel Cornerstone</b>	This cornerstone provides an indication of whether or not we have the right personnel with the right skills in the right positions to manage the program.	Green	26	
<b>Program Infrastructure Cornerstone</b>	This cornerstone provides an indication of the quality of the infrastructure in place to support the program. Infrastructure includes necessary equipment, program procedures, etc.	White	21	Corrective Action Plan to complete open LO-CA tasks developed 10/2/06 (CR-2006-02699)
<b>Program Implementation Cornerstone</b>	This cornerstone provides an indication of how well we execute programmatic requirements.	Green	33	
<b>Equipment / Related Plant Performance Cornerstone</b>	This cornerstone provides an indication of the health of the components (or other performance indicators impacting plant performance) monitored by the program.	Green	30	

Rev. 0  
Date: 04-25-06

NEC-UW-07

DAS H-245

*Amplitude decay-028*

NEC038419

DS-03

**Personnel Performance Cornerstone**

Program: Flow Accelerated Corrosion

Plant: VERMONT YANKEE

Quarter: 3rd

Last Update: 10/03/06

**Cornerstone Rollup**

**Select Cornerstone Trending**

Green: 26-30 cornerstone quality points

Green

↑

Up

White: 20-25 cornerstone quality points

Stable

Yellow: 15-19 cornerstone quality points

↓

Down

Red: <15 cornerstone quality points

NEC038420

Monitored Parameter	Criteria	Result	Relative Value	Quality Points	Comments
Staff Qualification and Experience	Green – Incumbent fully qualified with 3 years or more experience within the program.	Green	3	9	Current FAC Program Owner (JCF) and backup (TO/C) have more than 3 years of FAC experience. Also, new engineer in Code Programs (R.Lane ).
	White – Incumbent fully qualified.				
	Yellow – Incumbent in partially qualified (> or = 25% complete with qualification card.)				
	Red – No incumbent or unqualified incumbent < 25% complete with qualification card.				
Bench strength	Green – Backup fully qualified with 3 years or more experience within the program.	Green	1	3	Backup is fully qualified with more than 3 years of FAC experience.
	White – Backup fully qualified.				
	Yellow – Backup in partially qualified (> or = 25% complete with qualification card.)				
	Red – No backup or unqualified backup < 25% complete with qualification card.				
Training (CHECWORKS BASIC and ADVANCED Training)	Green: Completed CHECWORKS FAC BASIC and ADVANCED Training.	Green	1	3	Program owner and backup had completed CHECWORKS training prior to split to Basic & Advanced. Both individuals have more than 12 years experience using CHECWORKS.
	White - Completed CHECWORKS FAC BASIC Training and Qualification Card.				
	Yellow - Incumbent is partially qualified (≥ 25% complete with CHECWORKS Training and Qualification Card)				
	Red - Unqualified				
Industry Participation	Green – Committee membership, other voting	Green	1	3	Participation in EPRI CHUG

Monitored Parameter	Criteria	Result	Relative Value	Quality Points	Comments
(Includes any within the ENS region)	White – Active participation within industry within the past year with active sharing across sites.				(Voting and Advisory Committee access through single Entergy contact R.Jackson/RBS) Program owner member of CHUG Long Term Planning Group
	Yellow – No active involvement over the past year but active involvement within the past two years.				
	Red – Inactive participation.				

NEC038421

NEC038422

Monitored Parameter	Criteria	Result	Relative Value	Quality Points	Comments
Program Human Performance (Does not include errors in implementation)	Green – No HPEs over the past 12 months.	Green	1	3	No FAC Program related human performance error clock resets in the past 12 months.
	White – 1 HPE over the past 12 months.				
	Yellow – 2-3 HPE over the past 12 months				
	Red – 4 or more HPE over the past 12 months				
Owner Availability	Green – Supervisor determines sufficient time is available for proactive program improvements	Yellow	2	2	Problems identified with timely update of CHECWORKS models (CR-2006-2699). CHECWORKS models and wear rate analyses updated with all previous inspection data in 3rd QTR 2006. Corrective Action Plan to prevent similar issues with remaining FAC program tasks developed 10/2/06.
	White – Supervisor determines sufficient time allotted for necessary program up keep.				
	Yellow – Supervisor determines insufficient time allotted for long term program up keep.				
	Red – Supervisor determines insufficient time allotted for immediate program needs.				
Peer Interaction (Does not include PI worksheet development)	Green – 2 or more peer	Green	1	3	Entergy FAC Program fleet call held on 7/26/06. EPRI CHUG Long Term Planning Group Telcons.
	White – 1 peer meeting/teleconference quarterly				
	Yellow – less than full regional participation for the meeting/teleconference within the quarter.				
	Red – Did not participate in peer meeting/teleconference for the quarter.				
			<b>Total</b>	<b>26</b>	

# Infrastructure Performance Cornerstone

Program: Flow Accelerated Corrosion

Plant: VERMONT YANKEE

Quarter: 3rd

Last Update: 10/03/2006

## Cornerstone Rollup

## Select Cornerstone Trending

Green: 26-30 cornerstone quality points

White



Up

White: 20-25 cornerstone quality points

Stable

Yellow: 15-19 cornerstone quality points



Down

Red: <15 cornerstone quality points

### Monitored Parameter

### Criteria

### Result

### Relative Value

### Quality Points

### Comments

Program Infrastructure CRs (Internal) and External Findings. (External findings are defined as conditions found by independent oversight agencies resulting in A or B level CRs. Oversight agencies include QA [audits], INPO, and NRC.)

- Green – (identified within the last two quarters)
  - No A or B level CR AND
  - No external findings AND
  - < 4 C level CRs
- White – (identified within the last two quarters)
  - No A level CR; AND
  - No external findings; AND
  - < 3 B level CRs; and AND
  - < 6 total B and C level CRs
- Yellow – (identified within the last two quarters)
  - No A level CRs AND
  - Any of the following
    - 3-4 B level CRs OR
    - 5-15 total B or C level CRs OR
    - 1 external finding.
- Red – (Any of the following within the last two quarters)
  - Any A level CR OR
  - 5 or more B level CRs OR
  - 15 or more total B or C level CRs OR
  - 2 or more external findings OR
  - Any NRC violation.

Green

2

6

No program infrastructure related CRs this operating cycle. For 3rd Qtr. participated in development of new EN standard FAC program procedure EN-DC-315. EN-AD-101 RAF forms complete. Minimal impact to VY program for adoption of EN-DC-315.

NEC038423

NEC038424

Monitored Parameter	Criteria	Result	Relative Value	Quality Points	Comments
Long Range Plan (plan for items requiring significant resources such as outage support requirements, scheduled assessments, program updates, critical infra-structure upgrades, and scheduled component replacements.)	Green – Long range plan in place covering the next 5 years, updated within the last year and with budgetary items IDd in the long range budget.	White	1	2	Completed transition to ENN standard FAC program this cycle. No formal long range plans have been developed for ENN FAC programs to date. However, VY has just implemented 120% power uprate. To assess effects on piping, the number of inspection locations will be increased approx 50% over previous outages for the next 3 refueling outages. Additional planning for small bore piping with respect to recommended replacements will be performed upon completion of VY-RPT-05-00013.
	White – Long range plan in place covering the next 3 years, updated within the last year and with budgetary items IDd in the long range budget.				
	Yellow - Foreseeable issues requiring significant resources within the 1 to 3 years not included in the long range plan.				
	Red – Foreseeable issues requiring significant resources within the next 12 months not included in the long range plan.				
	Yellow or Red can be upgraded once adequate plans are in place including funding in budget.				
Open Action Items (Includes ALL CR-CAs, ER post-action items and LO-CAs.)	Green – No due date extensions and no items greater than 6 months old.	Yellow	1	1	LO-VTYLO-2003-00327-CA2 LO-VTYLO-2003-00327-CA4 LO-VTYLO-2003-00327-CA6 LO-VTYLO-2004-00004-CA4 LO-VTYLO-2004-00399-CA1 LO-VTYLO-2005-00215-CA1 (Listed LO-CAs are tracked under Corrective Action Plan for CR-2006-02699)
	White – No action items greater than 1 year old.				
	Yellow – Any action item greater than 1 year old.				
	Red – 2 or more CR-CAs and/or ER post-action items (excluding LOs action items) greater than 1 year old.				
Document / Database Health	Green – No outstanding changes to the program documents (or databases) which impact program performance (e.g. missed commitment, surveillance past due); no outstanding changes for enhancements greater than two quarters old; and use of best-in-practice database or tracking software.	White	3	6	CHECWORKS models and wear rata analyses updated with all previous inspection data in 3rd QTR 2006. (CR-2006-2699)
	White – No outstanding changes to the program documents (or databases) which potentially impact program performance.				
	Yellow – Database compatibility issues OR any outstanding issues with the potential to impact program performance.				
	Red – Any procedural or database issue which directly impacted program performance within the past quarter.				

NEC038425

Monitored Parameter	Criteria	Result	Relative Value	Quality Points	Comments
Test Equipment	Green – Best-in-practice, functional and properly calibrated equipment in the proper numbers to get the job done efficiently.	Green	2	4	Test Equipment (Parametrics UT/Data loggers) used during refueling outages is the same as used in the ISI Program. Equipment is tested and calibrated per NDE procedures prior to each refueling outage.
	White – Equipment functional and properly calibrated in the proper numbers to get the job done efficiently.				
	Yellow – Test Equipment Obsolescence Issues OR Test equipment failure (which did not impact scheduled or required program implementation activity) within the last quarter OR Insufficient equipment available (functional and properly calibrated) for efficient program implementation.				
	Red – Equipment unavailable to support scheduled or required program implementation activity.				
Benchmarks/Self-Assessments	Green: Benchmark or Self-Assessment within the last 2 years.	White	1	2	Next SA scheduled for completion 12/08/06 (LO-VTYLO-2003-00327-CA2)
	White: Benchmark or Self-Assessment within the last 3 years.				
	Yellow: Benchmark or Self-Assessment within the last 4 years.				
	Red: No Benchmark or Self-Assessment within the last 4 years.				
			<b>Totals</b>	<b>21</b>	

NEC038426

Implementation Performance Cornerstone					
Program: Flow Accelerated Corrosion					
Plant: VERMONT YANKEE					
Quarter: 3rd					
Last Update: 10/03/2006					
Cornerstone Rollup			Select Cornerstone Trending		
Green: 26-30 cornerstone quality points		Green	↑ Up		
White: 20-25 cornerstone quality points			Stable		
Yellow: 15-19 cornerstone quality points			↓ Down		
Red: <15 cornerstone quality points					
Monitored Parameter	Criteria	Result	Relative Value	Quality Points	Comments
Program Implementation CRs (Internal) and External Findings. (External findings are defined as conditions found by independent oversight agencies resulting in A- or B level CRs. Oversight agencies include QA [audits], INPO, and NRC.)	Green – (identified within the last two quarters)	Green	1	3	CR-2006-2699 8/30/06 Level C, Identified CHECWORKS models were not updated in a timely manner. Problems identified with timely update of CHECWORKS models (CR-2006-2699). CHECWORKS models and wear rata analyses updated with all previous inspection data in 3rd QTR 2006. Corrective Action Plan to prevent similar issues with remaining FAC program tasks developed 10/2/06.
	No A or B level CR AND				
	No external findings AND				
	< 4 C level CRs				
	White – (identified within the last two quarters)				
	No A level CR; AND				
	No external findings; AND				
	< 3 B level CRs; AND				
	< 6 total B and C level CRs				
	Yellow – (identified within the last two quarters)				
No A level CRs AND					
Any of the following					
3-4 B level CRs OR					
5-15 total B or C level CRs OR					
1 external finding.					



Monitored Parameter	Criteria	Result	Relative Value	Quality Points	Comments
	Red – (Any of the following within the last two quarters) Any A level CR OR 5 or more B level CRs OR 15 or more total B or C level CRs OR 2 or more external findings OR Any NRC violation.				
Internally Identified Implementation Issues – Other than CRs (Self revealing issues, self assessments' benchmarking, Operating Experience including	Green: None	Green	1	3	None (Issues addressed in Corrective Action Plan for CR-2006-2699 above)
	White: Identified issue with action resolved.				
	Yellow: Identified issue less than 1 year old.				
	Red: Any identified issue greater than 1 year old.				
Outage Performance Note: Indicator should remain the color until corrective actions are taken to preclude recurrence during the	Green: Met original scope and goals (duration,	Green	1	3	No Outage this Qtr. Outage planning milestones have been met.
	White: Less than 100% greater than 90%				
	Yellow: Less than 90% greater than 80%				
	Red: Less than 80%				

NEC038427

NEC038428

Monitored Parameter	Criteria	Result	Relative Value	Quality Points	Comments
On-line Performance	Green: Met original scope and goals (duration,	Green	1	3	No on-line FAC Related goals
	White: Less than 100% greater than 90%				
	Yellow: Less than 90% greater than 80%				
	Red: Less than 80%				
PM's/Surveillance Tasks (window stays the color until the deferred PM's are completed)	Green: No deferrals for the quarter	Green	1	3	No PMs under FAC program. Surveillances scheduled for RFO 26.
	White: Greater than 95% complete for the quarter				
	Yellow: Greater than 90% complete for the quarter				
	Red: Less than 90% complete for the quarter				
Other Identified Concerns or Issues (Only captures program concerns that do not fall under other PIs)	Green: No concerns / issues	Green	1	3	None. Internally identified implementation issues above addressed under (CR-2006-2699) Corrective Action Plan developed 10/2/06.
	White: Any non-significant concern/issue with action plan				
	Yellow: Any significant concern or issue with action plan or any non significant issue without action plan				
	Red: Any significant issue/concern without action plan				
Implementation resources (i.e. number of qualified personnel)	Green: No identified resource concern	Green	1	3	Currently 2 Program Engineers are qualified per ENN-TK-ESPG042 Training for new program engineer is process.
	White: Identified concern with action plan				
	Yellow: Identified concern without action plan				
	Red: Significant concern without action plan				
Piping Replacements (Unplanned during cycle or outage)	Green: 0 unplanned pipe or component replacements due to current outage findings.	Green	2	6	No outage this qtr. No unplanned piping replacements during this operating cycle. Possible FAC related small-bore replacement required in RFO26, (WO 06-6880) 1" SSH low pt. drain is in planning for RFO26.
	White: 1 unplanned pipe or component replacement due to current outage finding.				
	Yellow: > 1 < 2 unplanned pipe or component replacements due to current outage finding				
	Red - > 2 unplanned pipe or component replacements due to current outage finding.				

NEC038429

Monitored Parameter	Criteria	Result	Relative Value	Quality Points	Comments
	(Note: Color can be up-graded once corrective actions to piping are completed and Program has been corrected to prevent recurrence; i.e., additional exams or exam frequency specified)				
Operating Experience	Green: 1 OR less items generated by plant OE department that has not been reviewed.	Green	1	3	No unreviewed OE generated by plant OE department.
	White: 2 items generated by plant OE department that has not been reviewed.				
	Yellow: 3 items generated by plant OE department that has not been reviewed.				
	Red: > 4 items generated by plant OE department that has not been reviewed.				
Outage Scope Increase (Unplanned) (PWRs include online inspections in current cycle)	Green: < 10% increase in inspection scope due to inspection findings.	Green	1	3	No unplanned outage scope increase to date.
	White: 10% to < 12% increase in inspection scope due to inspection findings.				
	Yellow: ≥ 13% increase in inspection scope due to inspection findings.				
	Red: > 15% increase in inspection scope due to inspection findings.				
			<b>Total</b>	<b>33</b>	

**Equipment / Related Plant Performance Cornerstone**

Program: Flow Accelerated Corrosion

Plant: VERMONT YANKEE

Quarter: 3rd

Last Update: 10/03/2006

**Cornerstone Rollup**

**Select Cornerstone Trending**

Green: 26-30 cornerstone quality points

Green

↑

Up

White: 20-25 cornerstone quality points

Stable

Yellow: 15-19 cornerstone quality points

↓

Down

Red: <15 cornerstone quality points

Monitored Parameter	Criteria	Result	Relative Value	Quality Points	Comments
Generation Health	Green - No Transients or power reduction resulting from a program issue	Green	2	6	No transients or power reductions resulting for program activities of FAC related leaks so far this operating cycle.
	White - No Transients or power reduction resulting from a program issue or component on a quarterly basis				
	Yellow - A "near miss", transient or a power reduction < 1000 mwhr/qt as a result of a program issue or component				
	Red - A plant trip or significant power reduction > 1000 mwhr/qtr as a result of a program issue of component				
Large Bore Failures (Based on Cycle of operation)	Green; No Large Bore failures in load reduction or safety issues.	Green	4	12	No large bore failures this operating cycle
	Red: ≥ 1 Large Bore failure resulting in load reduction or safety issues. Note: color can be up-graded once corrective actions to piping are completed and the Program has been corrected to prevent recurrence; i.e., additional exams or exam frequency specified)				

NEC038430





**ENERGY NORTHEAST, VERMONT YANKEE  
ENGINEERING PROGRAM HEALTH  
Flow-Accelerated Corrosion (FAC) Program**

**FAC**

**Owner: Jim Fitzpatrick**

**Phone: 802.451.3086**

**Controlling Document: PP 7028; ENN-DC-315**

**Supervisor: Scott Goodwin**

ER 04-1315 for Evaluation of Temporary Steam Leak Repair on L.P. Turbine Steam Seal Piping

ER 05-0787 for Converting FAC Component Location Sketches Located into Appendix A of PP7028 into Controlled VY Drawings

ER 05-1004 for Updating FAC Program Checworks Models for RFO26.

**Operator Work Arounds:**

N/A - There are no operator works arounds related to the FAC program.

**Prog Related LCOs:**

There are no LCOs related to the FAC program this qtr.

**PMs Within Due Date:**

N/A - There are no PMs associated with the FAC program.

**Repetitive Failures:**

There are no repetitive equipment related issues for the FAC program this quarter.

**Unanticipated Failures:**

SSH pin hole leaks identified in CR VTY-2004-02985. Temporary leak enclosure installed. Additional inspections of similar piping incorporated into scope of RFO25. However, inspections were deferred until RFO26 due to schedule for LP turbine work.

No new Unanticipated Failures since October 2004.

**Trending Results:**

No components projected to wear to wall thickness below code minimum within two cycles from RFO26.

**Open Work Requests:**

N/A - There are no work requests over 2 yrs old.

**Surveillances Within Due Date:**

N/A No Technical Specification Surveillances under the FAC program this quarter.

**Significant Parts Issues:**

There are no parts issues associated with the FAC program this quarter

**Identified Concerns:**

No other identified equipment concerns.

**ORGANIZATION**

**Staff Qual and Trng:**

The program owner and Backup engineer are qualified to perform FAC Program tasks.

3rd Engineer obtained basic FAC training and CHECWORKS SFA training, June 6-8.

**Bench Strength:**

The program owner and backup (T. O'Connor) are FAC qualified personnel. An additional engineer in Civil/Structural (R. Omer) has FAC related experience and has completed updated FAC training.

**Program Ownership:**

Site personnel are aware of the Program. Owner based results from last SA.

FAC Program Ownership to be transferred to Code Programs Group per ENN model. Interviews for a new FAC Program Engineer to reside in Code Programs started in October 2005.

**HU Errors:**

There were no human performance errors (HPE) as a result of Program implementation activities for this quarter.

**AP0098 Expectations:**

Continued difficulties in completing program activities on schedule. EPU work is still affecting FAC Program activities in 1st quarter of 2006.

A formal action plan per ENN-MS S-008 to get program Green status and address ENN standardization issues was developed. The ENN standization efforts are complete as of 3/15/06 with the exception of cancelling PP7028 & DP0072 per AP0096. All other tasks required are being tracked in PCRS. Completion of identified tasks listed in the "Open LO-CAs" in this Program Health Report will bring Program status back to Green.

Status: Progress needs to be monitored. Keep status as White

**Operating Experience:**

See RFO26 (2007) Scoping Worksheets for a detailed list of FAC related OE and disposition for VY.

**ECIs:**

None

**Outage Health:**

**Outage Perf:**

No refueling outage in 1st QTR 2006.

RFO26 program scoping Milestone of 2/19/06 met (Memo VYM-FAC-2006-001 dated 2/16/06).

**Outage Preparation:**

RFO26 Outage planning milestones met.

**Generation Health:**

**Generation Health:**

There were no transients or power reductions as a result of a FAC Program issue in 1st quarter of 2006.





**ENTERGY NORTHEAST, VERMONT-YANKEE  
ENGINEERING PROGRAM HEALTH  
Flow-Accelerated Corrosion (FAC) Program**

**FAC**

**Owner: Jim Fitzpatrick**

**Phone: 802.451.3086**

**Controlling Document: PP 7028; ENN-DC-315**

**Supervisor: Scott Goodwin**

standardization issues.

Progress was made on action plan items. However, the root cause for not completing EWC scheduled work has not been addressed.

**CORRECTIVE ACTIONS:**

**Significant CRs:**

No significant CR's (Category A or B) were written against the FAC program for these quarters.

**Open CR CAS:**

No Open CRs as of 12/31/05. CR-VTY-2005-02239 was closed out to ER 05-1004 on 12/19/05.

**EQUIPMENT**

**Open Eng Req:**

ER 04-0964 for replacement of small bore piping on Turbine Bypass Valve 1st Seal Leakoff lines with FAC resistant materials was implemented during RFO25.

04-1315 for Evaluation of Temporary Steam Leak Repair on L.P. Turbine Steam Seal Piping. Removal of Temp Mod, and additional inspections to determine extent of condition were not performed in RFO25 due to schedule conflicts with LP turbine work. Deferred until RFO26. (Ref. VYPPF 7102.01 for W.O. 04-004983-000/010, dated 11/1/05)

**Operator Work-Arounds:**

N/A - There are no operator work arounds related to the FAC program.

**Prog Related LCOs:**

There are no LCOs related to the FAC program these quarters.

**PMS Within Due Date:**

N/A - There are no PMS associated with the FAC program.

**Repetitive Failures:**

There are no repetitive equipment related issues for the FAC program these quarters.

**Unanticipated Failures:**

SSH pin hole leaks identified in CR VTY-74-02985. Temporary leak enclosure called. Additional inspections of similar piping incorporated into scope of RFO 25. However deferred until RFO26 due to schedule for LP turbine work.

**Trending Results:**

N/A with respect to equipment.

**Open Work Requests:**

N/A - There are no work requests over 2 yrs old.

**Surveillances Within Due Date:**

N/A - No Technical Specification Surveillances under the FAC program were performed in RFO25.

**Significant Parts Issues:**

N/A - There are no parts issues associated with the FAC program this quarter

**Identified Concerns:**

No other identified equipment concerns.

**ORGANIZATION:**

**Staff Qual and Trng:**

The program owner and backup engineer are qualified to perform FAC Program tasks.

3rd Engineer obtained basic FAC training and CHECWORKS SFA training, 2nd Qtr. 2005.

Program owner and backup qualified to ENN Standard FAC Qual Card. ENN-TKESPG042 10/5/05

**Bech Strength:**

The program owner and backup (T. O'Connor) are FAC qualified personnel. An additional engineer in C/S (R. Orner) has FAC related experience and has updated training 2nd Qtr. 2005.

**Program Ownership:**

Site personnel are aware of the Program Owner based results from last SA.

FAC Program ownership to be transferred to Code Programs Group per ENN model. Interviews for new FAC Program Engineer to reside in Code Programs Group started in October 05.

**HU Errors:**

There was one 1 human performance error (HPE) as a result of Program implementation activities for the third quarter of 2005 (CR-VTY-2005-02239 on procedure compliance)

**AP0098 Expectations:**

Continued difficulties in completing program activities on schedule. EPU work is winding down in second qtr. of 2005. FAC Program engineering work has been begun with update of the piping FAC susceptibility review and ENN procedure transition activities. A formal action plan per ENN-MS-S-008 to get program status to Green and address ENN standardization issues was developed and work has begun. Status: 8 of 9 items completed in 2005. Remaining task is in progress. Keep status as White.

**Operating Experience**

See 2005 RFO Scoping Worksheets for a list of FAC related OE.

**ECIs:**

None

**Outage Health:**

**Outage Perf:**

RFO25 in October/November 2005. All planned inspections performed except Nos. 2004-24 to 2005-35. These are located on LP Turbine SSH and SPE lines to determine extent of condition for CR-VTY-2004-02925. These inspections were to be coordinated with removal of Temp Mod 2004-031. Restoration of the Temp Mod was deleted from the outage scope on 10/24/05 as documented on YPPF 7102.01. Access to this piping could not be obtained due to critical path work on the LP turbines. Inspections were deferred to RFO26.

**Outage Preparation:**

RFO25 Outage planning milestones met.

**Generation Health:**

**Generation Health:**

There were no transients or power reductions as a result of a FAC Program issue in Q3 & Q4 2005.

**ENTERGY NORTHEAST, VERMONT YANKEE  
ENGINEERING PROGRAM HEALTH  
Flow-Accelerated Corrosion Program (FAC)**

10

Owner: Jim Fitzpatrick

Phone: 802.451.3086

Controlling Document: PP 7028

Supervisor: Scott Goodwin

Date: 06-Sep-05  
 Quarter: Second Quarter, 2005  
 Program Color: White  
 Trend: Steady

2004-Q1	2004-Q3	2004-Q4	2005-Q1
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**Current Status Basis:**

The FAC Program has just completed 2nd Qtr. 2005.

Program is white, based on 22 Green, 3 White, and 1 Yellow indicators.

There are no outstanding issues which are not already addressed that may impact the program.

**Current Activities:**

2nd. Qtr. 2005 (4/1/05 to 6/30/05)

WANO Inspection, April 2005

RFO25 Outage Planning & Preparation

RFO25 Outage Scope Challenge Meeting 5/4/05

Program and ENN procedure transition activities were rescheduled into EWC to start 2nd Qtr. 2005. Activities were started but not completed due to EPU related design changes. This is a continued trend from the previous quarter program health reports.

Preparation for July NRC FAC Inspection.

**Significant Accomplishments:**

WANO Inspection Complete - No AFIs for FAC Program

**Actions To Return To Green:**

Ensure that ongoing program tasks which were re-scheduled for remainder of 2005 per ENN-DC-183 Program Scope Memo are in fact performed on or near to schedule. This requires adequate time & personnel be allotted to perform program tasks. A formal action plan per ENN-MS S-008 to get program Green status and address ENN standardization issues was developed in May 2005.

**Exceptions To Grading Criteria:**

NONE

**REGULATORY**

No FAC Program Related LERs this

quarter.

**INPO Findings:**

No NRC Findings  
 No INPO Findings or AFIs.

**GL 91-18 and Op Det:**

No GL 91-18 issues or operability evaluations related to the FAC Program this quarter.

**Regulatory Compliance:**

The FAC Program currently meets all regulatory requirements.

**New RRs and Code Cases:**

ASME Code Case N-597 was incorporated into R.G 1.147 Rev.13 with new caveats for use. This will affect DP-0072 and transition to ENN-DC-133. WPO has decided to replace ENN-DC-133 with a new engineering Guide ENN-CE-G-001. VY Comments on draft sent to WPO on 5/24/05.

**ADMINISTRATIVE**

**Procedure, Program Compliance Issues:**

No Program Compliance issues with current Regulations of Codes.

**Budget, Resources:**

2004 and 2005 scheduling of FAC Program per ENN-DC-183 Program Scoping Memo.

FAC Program personnel (resources) were utilized on EPU related design changes and calculations. EWC schedule has Program resources back onto FAC work in 2nd Qtr. 2005.

**Audits:**

WANO inspection April 2005.

An NRC Inspection of the FAC Program for addressing EPU changes to piping and operating conditions is scheduled for July 25, 2005.

**Open Action Items:**

- LO-VTYLO-2003-00327 CA 2 due 1/13/06 (two due date extensions)
- LO-VTYLO-2003-00327 CA 6 due 10/03/05 (one due date extension)
- LO-VTYLO-2004-00399 CA 1 due 12/31/05 (one due date extension)
- LO-VTYLO-2003-00327 CA 4 due 2/10/06 (one due date extension)
- LO-VTYLO-2003-00327 CA 5 due 1/15/06 (one due date extension)

LO-VTYLO-2005-00030 CA11 due 10/03/05 (one due date extension)

**Benchmarking, Self Assessment:**

Focused Self Assessment October 2003. Ongoing work for Corrective Actions generated from assessment. See LO-CAS (2003-0327) under Open Action Items

**EWC Milestones, New Eng Issues:**

Ongoing program tasks were rescheduled for remainder of 2005 per ENN-DC-183 Program Scope Memo. Continued difficulty in meeting re-projected schedules due to emergent work, EPU, & other unscheduled tasks. A formal action plan per ENN-MS-S-008 was developed in 2nd. Qtr. 2005. Action Plan addresses issues to get program to Green status and ENN standardization.

**Program Concerns:**

Scheduled FAC program activities were started late in quarter due to resources spent on EPU related work. Concern from previous qtr. A formal Action Plan per ENN-MS S-008 was developed to get program Green status and address ENN standardization issues.

**CORRECTIVE ACTIONS**

**Significant CRs:**

No significant CR's (Category A) were written against the FAC program for this quarter.

**Open CR CAS:**

None for 2nd Qtr. 2005

**EQUIPMENT**

**Open Eng Ren:**

ER 04-0964 for replacement of small bore piping on Turbine Bypass Valve 1st Seal Leakoff lines with FAC Resistant materials. Approved in EWC. Replacement to be implemented in RFO 25

ER 04-1315 for Evaluation of Temporary Steam Leak Repair on L.P. Turbine Steam Seal Piping

**Operator Work Arouds:**

N/A - There are no operator works arounds related to the FAC program.

**Prog Related LCOs:**

There are no LCOs related to the FAC

**ENERGY NORTHEAST, VERMONT YANKEE  
ENGINEERING PROGRAM HEALTH  
Flow-Accelerated Corrosion Program (FAC)**

AC

Owner: Jim Fitzpatrick

Phone: 802.451.3086

Controlling Document: PP 7028

Supervisor: Scott Goodwin

program this qtr.

**PIMs Within Due Date:**

N/A - There are no PIMs associated with the FAC program.

**Repetitive Failures:**

There are no repetitive equipment related issues for the FAC program this quarter.

**Unanticipated Failures:**

SSH pin hole leaks identified in CR VTY-2004-02985. Temporary leak enclosure installed. Additional inspections of similar piping incorporated into scope of RFO 25.

**Trending Results:**

N/A with respect to equipment.

**Open Work Requests:**

N/A - There are no work requests over 2 yrs old.

**Surveillances Within Due Date:**

Inspections scheduled in the RFO 2004 section scope were completed during RFO 24. No surveillances scheduled for 2nd Qtr. 2005.

**Significant Parts Issues:**

N/A - There are no parts issues associated with the FAC program this quarter

**Identified Concerns:**

No other identified equipment concerns.

**ORGANIZATION**

**Staff Qual and Trng:**

The program owner and Backup engineer are qualified to perform FAC Program tasks.

3rd Engineer obtained basic FAC training and CHECWORKS SFA training, June 6-8.

**Bench Strength:**

The program owner for and backup (T. O'Connor) are FAC qualified personnel. An additional engineer in M/S (R. Orner) has FAC related experience and has updated training (June 6-8).

**Program Ownership:**

personnel are aware of the Program owner based results from last SA.

**HU Errors:**

There were no human performance errors (HPE) as a result of Program implementation activities for this quarter.

**AP0098 Expectations:**

Continued difficulties in completing program activities on schedule. EPU work is winding down in second qtr. of 2005. FAC Program engineering work has been begun with update of the piping FAC susceptibility review and ENN procedure transition activities. A formal action plan per ENN-MS S-008 to get program Green status and address ENN standardization issues was developed and work has begun. Status: Progress needs to be monitored. Keep status as White.

**Operating Experience:**

See 2005 RFO Scoping Worksheets for a list of FAC related OE.

**CPIs:**

None

**Outage Health**

**Outage Perf:**

No outage in 2nd QTR 2005.

**Outage Preparation:**

RFO-25 Outage planning milestones met.

**Generation Health**

**Generation Health:**

There were no transients or power reductions as a result of a FAC Program issue in Q2.

**ENTERGY NORTHEAST, VERMONT YANKEE  
ENGINEERING PROGRAM HEALTH  
Flow-Accelerated Corrosion Program (FAC)**

-AC

Owner: Jim Fitzpatrick

Phone: 802.451.3086

Controlling Document: PP 7028

Supervisor: Scott Goodwin

Date: **10-May-05**  
 Quarter: **First Quarter, 2005**  
 Program Color: **White**  
 Trend: **Improving**

2003-Q4	2004-Q1	2004-Q3	2004-Q4
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**Current Status Basis:**

The FAC Program has just completed 1st Qtr 2005.

Program is white, based on 21 Green, 3 White, and 1 Yellow indicators.

There are no outstanding issues which are not already addressed that may impact the program.

**Current Activities:**

1st Qtr 2005 (1/1/05 to 3/31/05)

ER 04-0964 for replacement of small bore piping on Turbine Bypass Valve 1st Seal. Leakoff lines with FAC resistant materials. Replacement to be implemented in RFO 25

J4-1315 for Evaluation of Temporary Steam Leak Repair on L.P. Turbine Steam Seal Piping. Inspection of additional components was added to the 2005 RFO scope to determine the extent of condition on the SSH piping.

Scheduled FAC Program Activities for the 1st quarter 2005 were not completed due to EPU related design changes. This a continued trend from the previous quarter program health report. EPU work scheduled to end early 2nd qtr. 2005. FAC program activities were rescheduled into EWC to start 2nd Qtr. 2005.

**Significant Accomplishments:**

Completed Corrective Actions from CR-VTY-2004-3061 and CR-VTY-2004-3062.

Met Outage Milestones for sub-work order generation.

**Actions To Return To Green:**

Ensure that ongoing program tasks which were re-scheduled for remainder of 2005 per ENN-DC-183 Program Scope Memo are in fact performed on or near to schedule. This requires adequate time & personnel be allotted to perform program tasks. A formal action plan per ENN-MS-S-008 to get program Green status and address ENN standardization issues will be developed in the 2nd Qtr. 2005.

**Exceptions To Grading Criteria:**

NONE

**REGULATORY:**

**LERs:**

No FAC Program Related LERs this quarter.

**INPO Findings:**

No NRC Findings  
 No INPO Findings or AFIs.

**GL 91-18 and Op Dat:**

No GL 91-18 issues or operability evaluations related to the FAC Program this quarter.

**Regulatory Compliance:**

The FAC Program currently meets all regulatory requirements.

**New RRs and Code Cases:**

ASME Code Case N-597 was incorporated into R.G.1.147 Rev.13 with new caveats for use. This will affect DP-0072 and transition to ENN-DC-133. WPO has decided to replace ENN-DC-133 with a new engineering Guide ENN-CE-G-xxx. Draft of guide sent out for comment on 3/09/05. Scheduled to have review complete by June 2005.

**ADMINISTRATIVE:**

**Procedure Program Compliance Issues:**

No Program Compliance issues with current Regulations of Codes.

**Budget, Resources:**

2004 and 2005 scheduling of FAC Program per ENN-DC-183 Program Scoping Memo.

FAC Program personnel (resources) were utilized on EPU related design changes and calculations. EWC schedule has Program resources back onto FAC work in 2nd Qtr. 2005.

**Audits:**

A QA audit was performed in Sept/October 2004. The audit identified two procedure compliance issues related to program documentation and timely completion of activities.

CR VTY-2004-03061 identified that the FAC Inspection Report for the 2004 RFO was not completed within 90 days of plant startup as required per PP-7028. Report

was completed 2/15/05 and CR was closed on 2/16/05.

CR VTY-2004-03062 identified a backlog in inspection records being sent to RIMS per AP-6807. For each refuelig outage, Program PP7028 inspection records, reports, memos, and component evaluations were packaged similar to job order files and sent to RIMS. CR was closed on 2/16/05

WANO inspection is scheduled for April 2005.

An NRC Inspection of the FAC Program for addressing EPU changes to piping and operating conditions is scheduled for July 25, 2005.

**Open Action Items:**

- LO-VTYLO-2003-00327 CA 2 due 6/1/05 (one due date extension)
- LO-VTYLO-2003-00327 CA 3 due 5/15/05 (one due date extension)
- LO-VTYLO-2003-00327 CA 6 due 6/13/05 (one due date extension)
- LO-VTYLO-2004-00399 CA 1 due 12/31/05 (one due date extension)
- LO-VTYLO-2003-00327 CA 4 due 7/1/05
- LO-VTYLO-2003-00327 CA 5 due 7/1/05
- LO-VTYLO-2005-00030 CA11 due 7/31/05

**Benchmarking Self Assessment:**

Focused Self Assessment October 2003. Ongoing work for Corrective Actions generated from assessment See LO-CAs (2003-0327) under Open Action Items

Participated in Focused Self Assessment of PNPS FAC Program per EN-LI-104, January 24-28, 2005.

**EWC Milestones, New Eng Issues:**

Ongoing program tasks were rescheduled for remainder of 2005 per ENN-DC-183 Program Scope Memo. Continued difficulty in meeting re-projected schedules due to emergent work, EPU, & other unscheduled tasks. A formal action plan per ENN-MS-S-008 will be developed in 2nd. Qtr. 2005. Action Plan will address issues to get program to Green status and ENN standardization.

**Program Concerns:**

Scheduled FAC program activities for qtr. were not performed due to resources spent on EPU related work. ( Action Plan: Activities were rescheduled in EWC into 2nd qtr. 2005) Same concern from previous qtr. A formal Action Plan per ENN-MS S-008 will be developed to get program Green status and address ENN

**ENERGY NORTHEAST, VERMONT-YANKEE  
ENGINEERING PROGRAM HEALTH  
Flow-Accelerated Corrosion Program (FAC)**

**FAC**

**Owner: Jim Fitzpatrick**

**Phone: 802.451.3086**

**Controlling Document: PP-7028**

**Supervisor: Scott Goodwin**

standardization issues will be developed in the 2nd Qtr. 2005.

**CORRECTIVE ACTIONS**

**Significant CRs:**

No significant CR's (Category A) were written against the FAC program for this quarter.

**Open CR/CAs:**

None

**EQUIPMENT:**

**Open Eng Recs:**

ER 04-0984 for replacement of small bore piping on Turbine Bypass Valve 1st Seal Leakoff lines with FAC Resistant materials. Approved in EWC. Replacement to be implemented in RFO 25

ER 04-1315 for Evaluation of Temporary Steam Leak Repair on L.P. Turbine Steam Seal Piping

**Operator Work Arouds:**

N/A - There are no operator works around related to the FAC program.

**Prog Related LCOs:**

There are no LCOs related to the FAC program this qtr.

**PMs Within Due Date:**

N/A - There are no PMs associated with the FAC program.

**Repetitive Failures:**

There are no repetitive equipment related issues for the FAC program this quarter.

**Unanticipated Failures:**

SSH pin hole leaks identified in CR VTY-2004-02985. Temporary leak enclosure installed. Additional inspections of similar piping incorporated into scope of RFO 25

**Trending Results:**

N/A with respect to equipment.

**Open Work Requests:**

There are no work requests over 2 old.

**Surveillances Within Due Date:**

All inspections scheduled in the RFO 2004 inspection scope were completed during RFO 24. No surveillances scheduled for 1st Qtr. 2005.

**Significant Parts Issues:**

N/A - There are no parts issues associated with the FAC program this quarter

**Identified Concerns:**

No other identified equipment concerns.

**ORGANIZATION**

**Staff Qual and Trng:**

The program owner and Backup engineer are qualified to perform FAC Program tasks.

**Bench Strength:**

The program owner and backup (T. O'Connor) are FAC qualified personnel. An additional engineer in M/S (R. Omer) has FAC related experience.

**Program Ownership:**

Site personnel are aware of the Program Owner based results from last SA.

**HU Errors:**

There were no human performance errors (HPE) as a result of Program implementation activities for this quarter.

**AP0098 Expectations:**

Continued difficulties in completing program activities on schedule. EPU work is currently scheduled to end early in second qtr. of 2005. FAC Program engineering work has been rescheduled to start in 2nd qtr 2005. FAC related milestones and activities to support RFO25 have been completed per schedule. Completion of corrective actions for CR-VTY-2004-3061 and CR-VTY-2004-3062 have resulted in reducing backlog in program documentation. The situation is improving based on end of EPU work, new EWC schedule, and reduction in documentation backlog. A formal action plan per ENN-MS S-008 to get program Green status and address ENN standardization issues will be developed in the 2nd Qtr. 2005.

Status change from Yellow to White.

**Operating Experience:**

See 2005 RFOscoping worksheet for a list

of FAC related OE.

**CPIs:**

None

**Outage Health:**

**Outage Perf:**

No outage in 1st QTR 2005.

**Outage Preparation:**

RFO-25 Outage planning milestones met.

**Generation Health:**

**Generation Health:**

There were no transients or power reductions as a result of a FAC Program issue in Q1.

**ENERGY NORTHEAST VERMONT YANKEE  
ENGINEERING PROGRAM HEALTH  
Flow Accelerated Corrosion Program (FAC)**

**FAC**

**Owner: Jim Fitzpatrick**

**Phone: 802.451.3086**

**Controlling Document: PP 7028**

**Supervisor: Scott Goodwin**

Date: **18-Jan-05**  
 Quarter: **2004-Q4**  
 Program Color: **Yellow**  
 Trend: **Declining**

2003-Q3	2003-Q4	2004-Q1	2004-Q3
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**Current Status Basis:**

The FAC Program has just completed 4th Qtr 2004.

Program is Yellow, based on 17 Green, 2 White, and 5 Yellow indicators.

There are no outstanding issues that may impact the program.

**Current Activities:**

4th Qtr 2004 (10/1/04 to 12/31/04)

Design Engineering Manager approved 2003 Focused Self Assessment Report on 10/28/04. Five new LO CAs were generated to address areas for improvement identified in the SA.

ER 04-0964 for replacement of small bore piping on Turbine Bypass Valve 1st Seal Leakoff lines with FAC resistant materials. Approved in EWC. Replacement to be implemented in RFO 25.

ER 04-1315 for Evaluation of Temporary Steam Leak Repair on L.P. Turbine Steam Seal Piping. Inspection of additional components was added to the 2005 RFO scope to determine the extent of condition on the SSH piping.

Scheduled FAC Program Activities for the 4th quarter 2004 were not completed due to emergent work and EPU related design changes. This a continued trend from the previous quarter program health report.

**Significant Accomplishments:**

Approval of Focused Self Assessment Report (LO-VTY-2003-0327 CA1)

**Actions To Return To Green:**

Ensure that ongoing program tasks which were re-scheduled for remainder of 2004 per ENN-DC-183 Program Scope Memo are in fact performed on or near to schedule. This requires adequate time & personnel be allotted to perform program tasks.

**Exceptions To Grading Criteria:**

NONE

**REGULATORY:**

**LERs:**  
 No FAC Program Related LERs this quarter.

**INPO Findings:**  
 No NRC Findings  
 No INPO Findings or AFIs.

**GL 91-18 and Op. Dat.:**  
 No GL 91-18 issues or operability evaluations related to the FAC Program this quarter.

**Regulatory Compliance:**  
 The FAC Program currently meets all regulatory requirements.

**New RRs and Code Cases:**  
 ASME Code Case N-597 was incorporated into R.G 1.147 Rev.13 with new caveats for use. This will affect DP-0072 and transition to ENN-DC-133. WPO controls ENN-DC-133. Revisions are planned for 1st Qtr.2005.

**ADMINISTRATIVE:**  
**Procedure Program Compliance Issues:**  
 No Program Compliance issues with current Regulations of Codes.

**Budget Resources:**  
 2004 and 2005 scheduling of FAC Program per ENN-DC-183 Program Scoping Memo.

FAC Program personnel (resources) were utilized on EPU related design changes and calculations.

**Audits:**  
 There was one QA audit performed for this quarter. The audit was performed in Sep/October 2004. The audit identified two procedure compliance issues related to program documentation and timely completion of activities.

CR VTY-2004-03061 identified that the FAC Inspection Report for the 2004 RFO was not completed within 90 days of plant startup as required per PP-7028.

CR VTY-2004-03063 identified a backlog in inspection records being sent to RIMS per AP-6807.

An NRC Inspection of of the FAC Program for addressing EPU changes to piping and operating conditions is scheduled for 2005.

**Open Action Items:**

LO-VTYLO-2003-00327 CA 2 due 3/14/05  
 LO-VTYLO-2003-00327 CA 3 due 3/18/05  
 LO-VTYLO-2003-00327 CA 6 due 4/1/05  
 LO-VTYLO-2004-00399 CA 1 due 4/1/05  
 LO-VTYLO-2003-00327 CA 4 due 7/1/05  
 LO-VTYLO-2003-00327 CA 5 due 7/1/05

**Benchmarking Self Assessment:**

Focused SA report for VY FAC Program approved by DE Manager 10/28/04. Did not meet EN-LI-104 SA completion date expectations.

Planned participation if Focused Self Assessment of PNPS FAC Program per EN-LI-104 4rd Qtr. deferred until 1/24/05 at PNPS request of PNPS.

**Administrative Backlog:**

**CORRECTIVE ACTIONS:**

**Significant CRs:**  
 No significant CR's (Category A) were written against the FAC program for this quarter. Existing VY commitments are equivalent to LO-CAs.

**Open CR CAs:**  
 CR-VTY-2004-03061 CA2 due 2/04/05  
 CR-VTY-2002-02568 CA3 due 3/01/05  
 CR-VTY-2004-02985 CA3 due 3/11/05

**EQUIPMENT:**

**Open Eng Req:**  
 ER 04-0964 for replacement of small bore piping on Turbine Bypass Valve 1st Seal Leakoff lines with FAC Resistant materials. Approved in EWC. Replacement to be implemented in RFO 25

ER 04-1315 for Evaluation of Temporary Steam Leak Repair on L.P. Turbine Steam Seal Piping

**Operator Work Arounuds:**  
 N/A - There are no operator works around related to the FAC program.

**Prog Related LCOs:**  
 There are no LCOs related to the FAC program this qtr.

**PLMs Within Due Date:**



ENERGY NORTH-EAST VERMONT YANKEE  
ENGINEERING PROGRAM HEALTH  
Flow Accelerated Corrosion Program (FAC)

FAC

Owner: Jim Fitzpatrick

Phone: 802.451.3086

Controlling Document: PP 7028

Supervisor: Scott Goodwin

N/A - There are no PMs associated with the FAC program.

**Repetitive Failures:**

There are no repetitive equipment related issues for the FAC program this quarter.

**Unanticipated Failures:**

SSH pin hole leaks identified in CR VTY-2004-02985. Temporary leak enclosure installed. Additional inspections of similar piping incorporated into scope of RFO 25.

**Trending Results:**

N/A with respect to equipment.

**Open Work Requests:**

N/A - There are no work requests over 2 yrs old.

**Surveillances Within Due Date:**

All inspections scheduled in the RFO 2004 inspection scope were completed during RFO 24. No surveillances scheduled for 4th QTR 2004.

**Significant Parts Issues:**

N/A - There are no parts issues associated with the FAC program this quarter.

**Identified Concerns:**

No other identified equipment concerns.

**ORGANIZATION:**

**Staff Qual and Trng:**

The program owner and Backup engineer are qualified to perform FAC Program tasks.

**Bench Strength:**

The program owner and backup (T. O'Connor) are FAC qualified personnel. An additional engineer in M/S (R. Omer) has FAC related experience.

**Program Ownership:**

Site personnel are aware of the Program Owner based results from recent SA.

**Hi Errors:**

There were 2 reported human performance errors (HPE) as a result of Program implementation activities for this quarter. R VTY-2004-03061 identified that the FAC inspection Report for the 2004 RFO was not completed within 90 days of plant startup as

required per PP-7028. CR VTY-2004-03063 identified a backlog in inspection records being sent to RIMS per AP-6807.

**AP0098 Expectations:**

Continued difficulties in completing program activities on schedule.

**Operating Experience:**

See 2005 RFOscoping worksheet for a list of FAC related OE.

In addition, LO-OEN-2004-00272 for the 8/04 Mihama Event was generated. CA3 assigned to VY to review FAC Program & Inspection Efforts for applicability to VY. Inspections of piping at two restriction orifices in the Condensate System were added to the RFO 25 scope.

**CPIS:**

None

**Outage Health:**

**Outage Perf:**

No outage in 4th QTR 2004.

**Outage Preparation:**

RFO-25 Outage Milestones met. Initial outage scope mmp issued 7/7/04. Scope freeze on WO generation met 10/7/04.

**Generation Health:**

**Generation Health:**

There were no transients or power reductions as a result of a FAC Program issue in Q4.

**ENERGY NORTHEAST, VERMONT YANKEE  
ENGINEERING PROGRAM HEALTH  
Flow-Accelerated Corrosion Program (FAC)**

**FAC**  
Controlling Document: PP 7028

Owner: Jim Fitzpatrick

Phone: 802.451.3086

Supervisor: Scott Goodwin

Date: **19-Nov-04**  
Quarter: **2004-Q3**  
Program Color: **White**  
Trend: **Declining**

2003-Q2 | 2003-Q3 | 2003-Q4 | 2004-Q1

**Current Status Basis**

Program is -White, based on 16 Green; 3 White; 2 Yellow; and 0 Red

**Current Activities**

3rd Quarter 2004 (6/16/04 to 9/30/04)

Review and comments on new ENN Standard FAC Program Procedure, ENN-DC-315, and new Gridding Standard, ENN-EP-S-005.

Addressed NRC RAIs relating to FAC for the VY Power Uprate Submittal.

FAC Program coordinator cancelled attendance at June 28 EPRI Checworks Users Group Meeting due to VY forced outage. Meeting information available on JG web site.

FAC Program coordinator participated in QA Audit of FPL Corporate FAC Inspection Program at Juno Beach FL July 12 to 16.

FAC program engineers participated in NRC Inspection for EPU affects on FAC program.

Incorporated Design Engineering Manager comments on 2003 Focussed Self Assessment. Returned report to DE Mgr. on 9/1/04.

Scheduled FAC program work activities for 3rd qtr. were deferred due to emergent work; forced outage, NRC inspection, engineering support for intervenor requests for information, and intervenor contentions.

**Significant Accomplishments**

NRC Inspection

**Actions To Return To Green**

Ensure that ongoing program tasks which were rescheduled for remainder of 2004 per ENN-DC-183 Program Scope Memo are in fact performed on or near to schedule. This requires adequate time & personnel be allotted to perform program tasks.

Status: There was no improvement in this area for the 3rd quarter of 2004.

**Exceptions To Grading Criteria**

None

**REGULATORY**

**LEERS:**

No FAC Program Related LEERS this quarter.

**INPO Findings:**

No NRC Findings  
No INPO Findings or AFIs.

**GL 91-18 and Op Det:**

No GL 91-18 issues or operability evaluations related to the FAC Program this quarter.

**Regulatory Compliance:**

No Regulatory Compliance Issues related to the FAC Program this quarter.

**New RRs and Code Cases:**

ASME Code Case N-597 was incorporated into R.G 1.147. This will affect DP-0072 and transition to ENN-DC-133. WPO controls ENN-DC-133.

**ADMINISTRATIVE**

**Procedure Program Compliance Issues:**

There are no LPCs or relief requests required for regulatory or code compliance.

**Budget Resources:**

2004-2005 budget and schedule for FAC Program established through EWC process using ENN-DC-183 Program Scoping Memo.

For 3rd quarter 2004, FAC Program personnel were utilized on EPU related design changes, calculations, audit support, and intervenor issues.

**Audits:**

An NRC Inspection for EPU included questions on affects of FAC on plant piping and equipment. Final evaluation and documentation had not been performed as of the inspection date. No immediate findings/concerns were identified.

**Open Action Items:**

LO-VTYLO-2003-00327 CA1 (2 due date extensions during period)  
LO-VTYLO-2004-00399 CA1 (1 due date

extension during period).

**Benchmarking Self Assessment:**

Incorporated Design Engineering Manager comments on 2003 Focussed Self Assessment. Returned report to DE Mgr. on 9/1/04.

Documentation of Benchmarking performed during FP&L QA Audit, July 12-16, has not been completed.

Planned participation in Focused Self Assessment of PNFS FAC Program per EN-LI-104 4th Qtr. (Dec.13-16,2004)

**Administrative Backlog:**

Procedure changes to PP 7028 (will be resolved by transition to ENN-DC-315). Data transmittal(s) to RIMS

**CORRECTIVE ACTIONS**

**Significant CRs:**

No significant CR's were written against the FAC program for this quarter.

**Open CR/CAs:**

CR-VTY-2002-02568 CA3 (due 3/1/05)  
CR-VTY-2004-02985 CA3 (due 3/11/05)

**EQUIPMENT**

**Open Eng Req:**

ER 04-0964 for replacement of small bore piping on Turbine Bypass Valve 1st Seal Leakoff lines with FAC Resistant materials Status: 9/27/04: Recommend transfer to MPRC after approval by the department manger. Project Sponsor: JH Callaghan, SD Goodwin to prepare Funding justification form. 9/30/04 approved by MPRC.

**Operator Work Arouds:**

N/A - There are no operator works around related to the FAC program.

**Prog Related LCOs:**

N/A - There are no LCOs related to the FAC program this qtr.

**PMs Within Due Date:**

N/A - There are no PMs associated with the FAC program.

**Repetitive Failures:**

There are no repetitive equipment related issues for the FAC program this quarter.



**ENERGY NORTHEAST, VERMONT-YANKEE  
ENGINEERING PROGRAM HEALTH  
Flow-Accelerated Corrosion Program (FAC)**

rAC

Owner: Jim Fitzpatrick

Phone: 802.451.3086

Controlling Document: PP 7028

Supervisor: Scott Goodwin

**Unanticipated Failures:**

Non-Maintenance Rule. Steam leak identified in LP SSH supply line on 9/24/04. See CR-VTY-2004-02985. Planning for evaluation & repair is in progress as of 9/30/04.

**Trending Results:**

N/A with respect to equipment.

**Open Work Requests:**

N/A - There are no work requests over 2 yrs old.

**Surveillances Within**

**Due Date:**

All inspections scheduled in the RFO 2004 inspection scope were completed during RFO 24. None were scheduled for 3rd qtr. 2004.

**Significant Parts Issues:**

N/A - There are no parts issues associated with the FAC program this quarter.

**Identified Concerns:**

Significant Concern: Scheduled FAC program activities for qtr. were not performed due to resources spent on EPU related work. ( Action Plan: Activities were rescheduled in EWC into 3rd/4th qtr. 2004) Same concern from 4th qtr. 2003. This is an ongoing issue and may require realignment of program resources to insure program activities take priority. No Progress was made in the 3rd Quarter of 2004.

Transition to ENN Standard FAC program, ENN-DC-315, will require revision to ENN-DC-133. Previously scheduled working meetings for revision of ENN-DC-133 for the first quarter of 2004 were not held. WPO controls ENN-DC-133.

**ORGANIZATION**

**Staff Qual and Trng:**

The program owner and Backup engineer are qualified to perform FAC Program tasks.

**Bench Strength:**

The program owner for and backup (T. O'Connor) are FAC qualified personnel. An additional engineer in M/S (R. Omer) has related experience.

**Program Ownership:**

Based on pending results from recent SA the answer is yes.

**HU Errors:**

Completion of the RFO24 FAC Program Inspection Report went past the 90 days from plant start-up as required by PP 7028. Identified by CR-VTY-2004-03061 on 10/04/04. CR and CAs will be addressed in 4th Qtr program health report.

**AP0098 Expectations:**

RFO 24 Inspection Report was not completed within 90 days from plant start up as required by PP7028. CR VTY-2004-03061 written on 10/4/04, not "prompt" as required by Appendix A of AP0098.

**Operating Experience:**

See 2005 RFO FAC Program Scoping Worksheets for detailed list.

**CPIs:**

None

**Outage Health:**

**Outage Perf:**

Initial RFO 25 outage scope memo issued 7/7/04.

**Outage Preparation:**

Initial RFO 25 outage scope memo issued 7/7/04.

**Generation Health:**

**Generation Health:**

No adverse impact on generation by FAC Program issues or component failures. No transients or power reductions were reported as a result of a FAC Program issue this quarter.

**ENTERGY NORTHEAST, VERMONT-YANKEE  
ENGINEERING PROGRAM HEALTH  
Flow-Accelerated Corrosion Program (FAC)**

AC  
Controlling Document: PP 7028

Owner: Jim Fitzpatrick

Phone: 802.451.3086  
Frequency: Quarterly

Date: 22-Jun-04  
Quarter: 2004-Q1  
Program Color: White  
Trend: Steady

2003-Q1 | 2003-Q2 | 2003-Q3 | 2003-Q4

**Current Status Basis:**

Program is White, based on 20 Green; 1 White; 1 Yellow; and 0 Red

**Current Activities:**

Attended the EPRI Checworks Users Group Meeting, January 12-14.

Addressed NRC RAIs relating to FAC for the VY Power Uprate Submittal.

Completed writeup for 2003 Focused Self Assessment for Design Engineering Manager review and approval on 1/30/04.

FAC Program Coordinator participated in JAF FAC Program Self Assessment at WPO 2/9 to 2/13.

viewed draft of Revision 1 changes to ENN-DC-133, for Structural evaluation of worn piping components.

RFO 24 Outage Support for FAC Inspections. Tasks included outage review of Work Order packages, planning, training, data evaluation, turbine crossaround piping visual inspections, and interface with management.

Developed EWC Program Scope Memo (ENN-DC-183) for remainder of 2004 and for 2005.

ENN FAC Working group assigned to an expedited adoption of a new ENN Standard FAC Program. Participated in working group developing a draft of new procedure ENN-DC-315 and new Gridding Standard ENN-EP-S-005 (6/2 to 6/4)

**Significant Accomplishments:**

RFO 24

**Actions To Return To Green:**

Ensure that ongoing program tasks which were rescheduled for remainder of 2004 per ENN-DC-183 Program Scope Memo are in fact performed on or near to schedule. This requires adequate time & personnel allotted to perform program tasks.

**Receptions To Grading Criteria:**

**REGULATORY**

LERs: 0

No FAC Program Related LERs this quarter.

INPO Findings: 0

No NRC Findings  
No INPO Findings or AFIs.

GL 91-18 and Op Det: 0

No GL 91-18 issues or operability evaluations related to the FAC Program this quarter.

Regulatory Compliance: 0

No Regulatory Compliance issues related to the FAC Program this quarter.

New RRs and Code Cases: 1

ASME Code Case N-597 was incorporated into R.G 1.147. This will affect DP-0072 and transition to ENN-DC-133. WPO controls ENN-DC-133.

**ADMINISTRATIVE**

Procedure, Program Compliance Issues: 0

There are no procedure/program compliance issues associated with the FAC Program.

Budget, Resources: Rating

2003-2004 Budget per supervisor Schedule was set prior to EPU. For remainder of 2004 and 2005 scheduling of FAC Program per ENN-DC-183 Program Scoping Memo.

FAC Program personnel were utilized on EPU related design changes and calculations.

Audits: Rating

A NRC Inspection of ISI Program Activities was performed during the beginning of RFO 24. The inspection included an interview of the FAC Program Coordinator on program issues and planned inspections. The inspection report is pending.

Open Action Items: 1

LO-VTYLO-2003-00327 (1 extension during period)

Benchmarking, Self Assessment: Rating

Participated in Focused Self Assessment of

JAF FAC Program per ENN-LI-104 week of 2/9 to 2/13

Planned benchmarking trip to FP&L in 3rd Qtr. (July 12-16)

Planned participation in Focused Self Assessment of PNPS FAC Program per ENN-LI-104 3rd Qtr. (Aug. 8-13)

**Milestones, new:**

Outage support for RFO 24 completed. Ongoing program tasks were rescheduled for remainder of 2004 per ENN-DC-183 Program Scope Memo.

**Engineering Issues, new:**

ASME Code Case N-597 was incorporated into R.G 1.147. (DP0072) this will affect transition to ENN-DC-133. Previously planned working group meetings scheduled for 1st qtr 2004 were not held. WPO has control of ENN-DC-133

**Administrative Backlog:**

**CORRECTIVE ACTIONS**

Significant CRs: 0

No significant CR's were written against the FAC program for this quarter. Existing VY commitments are equivalent to LO-CAs.

**Open CR CAs:**

CR-VTY-2002-2568 (5/4/04)

**EQUIPMENT**

Open Eng Req: 1

ER 04-0964 for replacement of small bore piping on Turbine Bypass Valve 1st Seal Leakoff lines with FAC Resistant materials

Operator Work Arouds: 0

N/A - There are no operator works around related to the FAC program.

Prog Related LCOs: 0

N/A - There are no LCOs related to the FAC program this qtr.

**PMs Within Due Date:**

N/A - There are no PMs associated with the FAC program.

**Repetitive Failures:**

N/A - There are no repetitive equipment related issues for the FAC program this

**ENERGY NORTHEAST, VERMONT YANKEE  
ENGINEERING PROGRAM HEALTH  
Flow-Accelerated Corrosion Program (FAC)**

**FAC**

**Owner: Jim Fitzpatrick**

**Phone: 802.451.3086**

**Controlling Document: PP 7028**

**Frequency: Quarterly**

quarter.

**Unanticipated Failures:** 0

**Trending Results:** Supv. Rati

**Open Work Requests:** 0

N/A - There are no work requests over 2 yrs old.

**Surveillances Within Due Date:** 100

All inspections scheduled in the RFO 2004 inspection scope were completed during RFO 24.

**Significant Parts Issues:** N/A

N/A - There are no parts issues associated with the FAC program this quarter

**Identified Concerns:** 1

Significant Concern: Scheduled FAC program activities for qtr. were not performed due to resources spent on EPU related work. ( Action Plan: Activities were rescheduled in EWC into 3rd/4th qtr. 2004) Same concern from 4th qtr. 2003. This is an ongoing issue and may require realignment of program resources to insure program activities take priority.

**ORGANIZATION:**

**Staff Qual and Trng:** Rating

The program owner and Backup engineer are qualified to perform FAC Program tasks.

**Bench Strength:** 1

The program owner for and backup (T. O'Connor) are FAC qualified personnel. An additional engineer in M/S (R. Omer) has FAC related experience.

**Program Ownership:** Rating

Based on pending results from recent SA the answer is yes.

**HU Errors:** 0

There were no human performance errors associated with the FAC program this qtr.

**20098 Expectations:** Supv. Rating

**Operating Experience:** Number

See 2004 RFO FAC Program Scoping Worksheets for detailed list.

**CPIs:** Number

None

**Outage Health:**

**Outage Perf:** Rating

**Outage Preparation:** Rating

RFO-24 Outage Milestones met.

**Generation Health:**

**Generation Health:** Rating

No adverse impact on generation by FAC Program issues or component failures. No transients or power reductions were reported as a result of a FAC Program issue this quarter.

**ENERGY NORTHEAST, VERMONT YANKEE  
ENGINEERING PROGRAM HEALTH  
Flow Accelerated Corrosion Program (FAC)**

FAC

Owner: Jim Fitzpatrick

Phone: 802.451-3086

Controlling Document: PP 7028

Frequency: Quarterly

Date: **16-Jan-04**  
 Quarter: **2003-Q4**  
 Program Color: **White**  
 Trend: **Declining**

2002-Q4	2003-Q1
N/A	N/A
2003-Q2	2003-Q3
green	green

**Current Status Basis:**

Current Status: Program is Green, based on 20 Green; 2 White; 1 Yellow, and 0 Red.

Current Status Basis:

Current Program Trend: Steady

**Current Activities:**

ENN FAC Working group formed (two meetings held). Standardization of ENN FAC Programs is a focus of the group. Each plant is to have a focused self assessment performed. A significant effort was required to develop the standardized evaluation criteria to perform these SAS per new ENN procedure ENN-LI-104.

Qualitative studies & evaluations were performed in support of September EPU submittal.

**Significant Accomplishments:**

A Focused Self Assessment (per ENN-LI 104) of the VY FAC Program was started on 9/29/03. Results will be incorporated into the 4th Qtr Health Report.

**REGULATORY**

**LERs** 0  
Green

No FAC Program Related LERs this quarter.

**INPO Findings:** 0  
Green

No NRC Findings  
No INPO Findings or AFIs.

**GL 91-18 and Op Det:** 0  
Green

No GL 91-18 Issues or operability evaluations related to the FAC Program this quarter.

**Regulatory Compliance:** 0

**Green**

No Regulatory Compliance issues related to the FAC Program this quarter.

**New RRs and Code Cases:** N/A

ASME Code Case N-597 was incorporated into R.G 1.147. This will affect DP-0072 and transition to ENN-DC-133. Additional ENN meetings to be scheduled for 1st QTR 2004 to evaluate.

**ADMINISTRATIVE**

**Procedure Program** 0  
**Compliance Issues:** Green

There are no procedure/program compliance issues associated with the FAC Program.

**Budget Resources:** Rating  
White

2003-2004 Budget per supervisor Schedule was set prior to EPU. For 2003 scheduling of FAC Program activities has been shifted to allow for engineering support off EPU and emergent work. FAC Program personnel were utilized on EPU related design changes and calculations.

**Audits:** Rating  
Green

There were no Audits performed for this quarter. There are no open issues.

**Open Action Items:** 4/2 ext  
Green

LO-VTYLO-2002-00341  
LO-VTYLO-2002-00568 (1 extension during qtr.)  
LO-VTYLO-2003-00327  
LO-VTYLO-2002-00528 (1 extension during qtr.)  
Note both extensions during qtr. are due to EPU work.

**Benchmarking Self Assessment:** Rating  
Green

S.A. VYM SA 2002-003 on Davis Besse Issues performed in Nov.2002.

Focused Self Assessment of VY FAC Program per ENN-LI-104 week of 9/29 to 10/2. Draft report complete, final report deferred until 2004 for EPU related work (LO-VTYLO-2003-00327 CA-0001)

**Milestones new:** 0  
N/A

None This Qtr.

**Engineering Issues new:** 1  
N/A

ASME Code Case N-597 was incorporated into R.G 1.147. (DP0072). Transition to ENN-DC-133. Meetings scheduled for 1st qtr 2004 to evaluate.

Standardization for ENN FAC Programs

**Administrative Backlog:**

**CORRECTIVE ACTIONS**

**Significant CRs:** 0  
Green

No significant CR's were written against the FAC program for this quarter. Existing VY commitments are equivalent to LO-CAs.

**Open CR CAs:** N/A

CR-VTY-2002-2568 (5/4/04)

**EQUIPMENT**

**Open Eng Req:** N/A

N/A; Engineering Requests not yet implemented at Vermont Yankee.

**Operator Work-Arounds:** 0  
Green

N/A - There are no operator works around related to the FAC program.

**Prog-Related LCOs:** 0  
Green

N/A - There are no LCOs related to the FAC program this qtr.

**PMs Within Due Date:** N/A  
Green

N/A - There are no PMs associated with the FAC program.

**Repetitive Failures:** 0  
Green

N/A - There are no repetitive equipment related issues for the FAC program this quarter.

**Unanticipated Failures:** 1  
White

Turbine Bypass Valve Steam Seal Piping. Additional inspections scheduled for 2004RFO. Also scoping to replace with FAC resistant material.

**Trending Results:** N/A

**Open Work Requests:** 0  
N/A

N/A - There are no work requests over 2 yrs old.

**Surveillances Within Due Date:** 100%  
Green

All inspections scheduled in previous outages were performed. RFO 2004 scope is currently being scheduled.

**ENERGY NORTHEAST VERMONT YANKEE  
ENGINEERING PROGRAM HEALTH  
Flow Accelerated Corrosion Program (FAC)**

**FAC**

**Owner: Jim Fitzpatrick**

**Phone: 802.451-3086**

**Controlling Document: PP 7028**

**Frequency: Quarterly**

**Significant Parts Issues:** N/A  
N/A

N/A - There are no parts issues associated with the FAC program this quarter

**Identified Concerns:** Rating  
Yellow

Leak in TBV Steam Seal Leakoff piping has elevated the need to complete the update of the small bore piping database (Action Plan: Currently on EWC FAC Program schedule).

Significant Concern: Scheduled FAC program activities for qtr. were not performed due to resources spent on EPU related work. (Action Plan: Activities were rescheduled in EWC into 1st. qtr. 2004) Same concern from 3rd qtr. 2003.

Potential Issue: Based on experience to date, the transition to ENN procedures is trending toward standardization in name only. The concern is that previous efficiencies at VY will be lost when new ENN procedures modeled on large utility organizations, which require an army to implement, are imposed on the program. Proposed Action Plan is to participate in transition working groups to control direction of transition or alert management to start hiring.)

**ORGANIZATION**

**Staff Qual and Trng:** Rating  
Green

The program owner is qualified to perform FAC Program tasks.

**Bench Strength:** 2  
Green

The program owner for and backup (T. O'Connor) are FAC qualified personnel. An additional engineer in M/S (R. Omer) has FAC related experience.

**Program Ownership:** Rating  
Green

Based on pending results form recent SA the answer is yes.

**HU Errors:** 0  
Green

There were no human performance errors associated with the FAC program this qtr.

**AP0096 Expectations:** Rating

**Operating Experience:** N/A  
N/A

See 2004 RFO FAC Program Scoping Worksheets for detailed list.

**CPis:** N/A  
N/A

None

**Outage Health**

**Outage Perf:** Rating  
N/A

**Outage Preparation:** Rating  
Green

RFO-24 Outage Milestones met.

**Generation Health**

**Generation Health:** Rating  
Green

No adverse impact on generation by FAC Program issues or component failures. No transients or power reductions were reported as a result of a FAC Program issue this quarter.

**ENERGY NORTHEAST VERMONT YANKEE  
ENGINEERING PROGRAM HEALTH  
Flow Accelerated Corrosion Program (FAC)**

**FAC**

**Owner: Jim FitzPatrick**

**Phone: 802.451-3086**

**Controlling Document: PP 7028**

**Frequency: Quarterly**

Date: **18-Nov-03**  
 Quarter: **2003-Q3**  
 Program Color: **Green**  
 Trend: **Steady**

<b>2002-Q3</b>	<b>2002-Q4</b>
N/A	N/A
<b>2003-Q1</b>	<b>2003-Q2</b>
N/A	Green

**Current Status Basis**

Current Status: Program is Green, based on 19 Green; 3 White; 0 Yellow, and 0 Red.

Current Status Basis:

Current Program Trend: Steady

**Current Activities**

ENN FAC Working group formed (two meetings held). Standardization of ENN FAC Programs is a focus of the group. Each plant is to have a focused self assessment performed. A significant effort was required to develop the standardized evaluation criteria to perform these SAs per new ENN procedure ENN-LI-104.

Qualitative studies & evaluations were performed in support of September EPU submittal.

**Significant Accomplishments**

A Focused Self Assessment (per ENN-LI-104) of the VY FAC Program was started on 9/29/03. Results will be incorporated into the 4th Qtr Health Report.

**REGULATORY**

**LERs:** 0  
Green  
No FAC Program Related LERs this quarter.

**INPO Findings:** 0  
Green  
No NRC Findings  
No INPO Findings or AFIs.

**GL 91-18 and Opn Den:** 0  
Green  
No GL 91-18 issues or operability evaluations related to the FAC Program this quarter.

**Regulatory Compliance:** 0  
Green  
No Regulatory Compliance issues related to the FAC Program this quarter.

**New CRs and Code Cases:** N/A  
N/A  
ASME Code Case N-597 was incorporated into R.G 1.147. This will affect DP-0072 and transition to ENN-DC-133. Meetings scheduled for 4th qtr. to evaluate.

**ADMINISTRATIVE**

**Procedure Program Compliance Issues:** 0  
Green  
There are no procedure/program compliance issues associated with the FAC Program.

**Budget Resources:** Rating  
White

2003-2004 Budget per supervisor Schedule was set prior to EPU. For 2003 scheduling of FAC Program activities has been shifted to allow for engineering support off EPU and emergent work. FAC Program personnel were utilized on EPU related design changes and calculations.

**Audits:** Rating  
Green  
There were no Audits performed for this quarter. There are no open issues.

**Open Action Items:** 5 ext  
Green  
LO-VTYLO-2002-00441 (2 extensions.)  
LO-VTYLO-2002-00568 (1 extension)  
LO-VTYLO-2003-00327 (1 extension)  
LO-VTYLO-2002-00528 (1 extension.)  
Note all 5 extensions during qtr. are due to EPU work.

**Benchmarking Self Assessment:** Rating  
Green

S.A. VYM SA 2002-003 on Davis Besse issues performed in Nov.2002.

Focused Self Assessment of VY FAC Program per ENN-LI-104 started 9/29/03. Significant effort was required to develop evaluation criteria was required by FAC Working Group.

**Milestones new:** 0  
N/A  
None This Qtr.

**Engineering Issues new:** 3  
N/A  
ASME Code Case N-597 was incorporated into R.G 1.147. (DP0072). Transition to ENN-DC-133. Meetings scheduled for 4th qtr. to evaluate. Standardization ENN FAC Programs

**CORRECTIVE ACTIONS**

**Significant CRs:** 0  
Green  
No significant CR's were written against the FAC program for this quarter. Existing VY commitments are equivalent to LO-CAs.

**Open CRs:** 3  
N/A  
CR-VTY-2002-2568 (5/1/04)

**EQUIPMENT**

**Open Eng Req:** N/A  
N/A  
N/A; Engineering Requests not yet implemented at Vermont Yankee.

**Operator Work Arouds:** 0  
Green  
N/A - There are no operator works around related to the FAC program.

**Prog Related LCOs:** 0  
Green  
N/A - There are no LCOs related to the FAC program this qtr.

**PMs Within Dire Date:** N/A  
N/A  
N/A - There are no PMs associated with the FAC program.

**Repetitive Failures:** 0  
Green  
N/A - There are no repetitive equipment related issues for the FAC program this quarter.

**Unanticipated Failures:** 1  
White  
Turbine Bypass Valve Steam Seal Piping. Additional inspections scheduled for 2004RFO. Also scoping to replace with FAC resistant material.

**Trending Results:** N/A

**ENERGY NORTHEAST VERMONT YANKEE  
ENGINEERING PROGRAM HEALTH  
Flow Accelerated Corrosion Program (FAC)**

**FAC**

**Owner: Jim FitzPatrick**

**Phone: 802.451-3086**

**Controlling Document: PP 7028**

**Frequency: Quarterly**

**Open Work Requests:** 0  
N/A

N/A - There are no work requests over 2 yrs old.

**Surveillances Within Due Date:** %  
Green

All inspections scheduled in previous outages were performed. RFO 2004 scope is currently being scheduled.

**Significant Parts Issues:** N/A  
N/A

N/A - There are no parts issues associated with the FAC program this quarter

**Identified Concerns:** Rating  
White

Leak in TBV Steam Seal Leakoff piping has elevated the need to complete the update of the small bore piping database (Action Plan: Currently on EWC FAC Program schedule).

Scheduled FAC program activities for qtr. were not performed due to resources spent on EPU related work. ( Action Plan: Activities were rescheduled in EWC into 4th qtr. 2003 & 1st qtr. 2004)

Potential Issue: Based on experience to date, the transition to ENN procedures is trending toward standardization in name only. The concern is that previous efficiencies at VY will be lost when new ENN procedures modeled on large utility organizations, which require an army to implement, are imposed on the program. (Proposed Action Plan is to participate in transition working groups to control direction of transition or alert management to start hiring.)

**ORGANIZATION**

**Staff Qual and Trng:** Rating  
Green

The program owner is qualified to perform FAC Program tasks.

**Bench Strength:** 2  
Green

The program owner for and backup (T. O'Connor ) are FAC qualified personnel. An additional engineer in M/S (R. Orner) has FAC related experience.

**Program Ownership:** Rating  
Green

Based on pending results form recent SA the answer is yes.

**HU Errors:** 0  
Green

There were no human performance errors associated with the FAC program this qtr.

**AP0098 Expectations:** Rating

**Operating Experience:** N/A  
N/A

See 2004 RFO FAC Program Scoping Worksheets for detailed list.

**CPIs:** N/A  
N/A

None

**Outage Health:**

**Outage Perf:** Rating  
N/A

**Outage Preparation:** Rating  
Green

RFO-24 Outage Milestones met.

**Generation Health:**

**Generation Health:** Rating  
Green

No adverse impact on generation by FAC Program issues or component failures. No transients or power reductions were reported as a result of a FAC Program issue this quarter.