

- (4) ENO pursuant to the Act and 10 CFR Parts 30, 40 and 70, to receive, possess, and use in amounts as required any byproduct, source or special nuclear material without restriction to chemical or physical form, for sample analysis or instrument calibration or associated with radioactive apparatus or components; Amdt. 203
11/27/00
- (5) ENO pursuant to the Act and 10 CFR Parts 30 and 70, to possess, but not separate, such byproduct and special nuclear materials as may be produced by the operation of the facility. Amdt. 203
11/27/00

C. This amended license shall be deemed to contain and is subject to the conditions specified in the following Commission regulations in 10 CFR Chapter I: Part 20, Section 30.34 of Part 30, Section 40.41 of Part 40, Sections 50.54 and 50.59 of Part 50, and Section 70.32 of Part 70; and is subject to all applicable provisions of the Act and to the rules, regulations, and orders of the Commission now or hereafter in effect; and is subject to the additional conditions specified or incorporated below:

(1) Maximum Power Level

ENO is authorized to operate the facility at steady state reactor core power levels not in excess of 3216 megawatts thermal (100% of rated power).

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 235, are hereby incorporated in the License. ENO shall operate the facility in accordance with the Technical Specifications.

(3) (DELETED) Amdt. 205
2-27-01

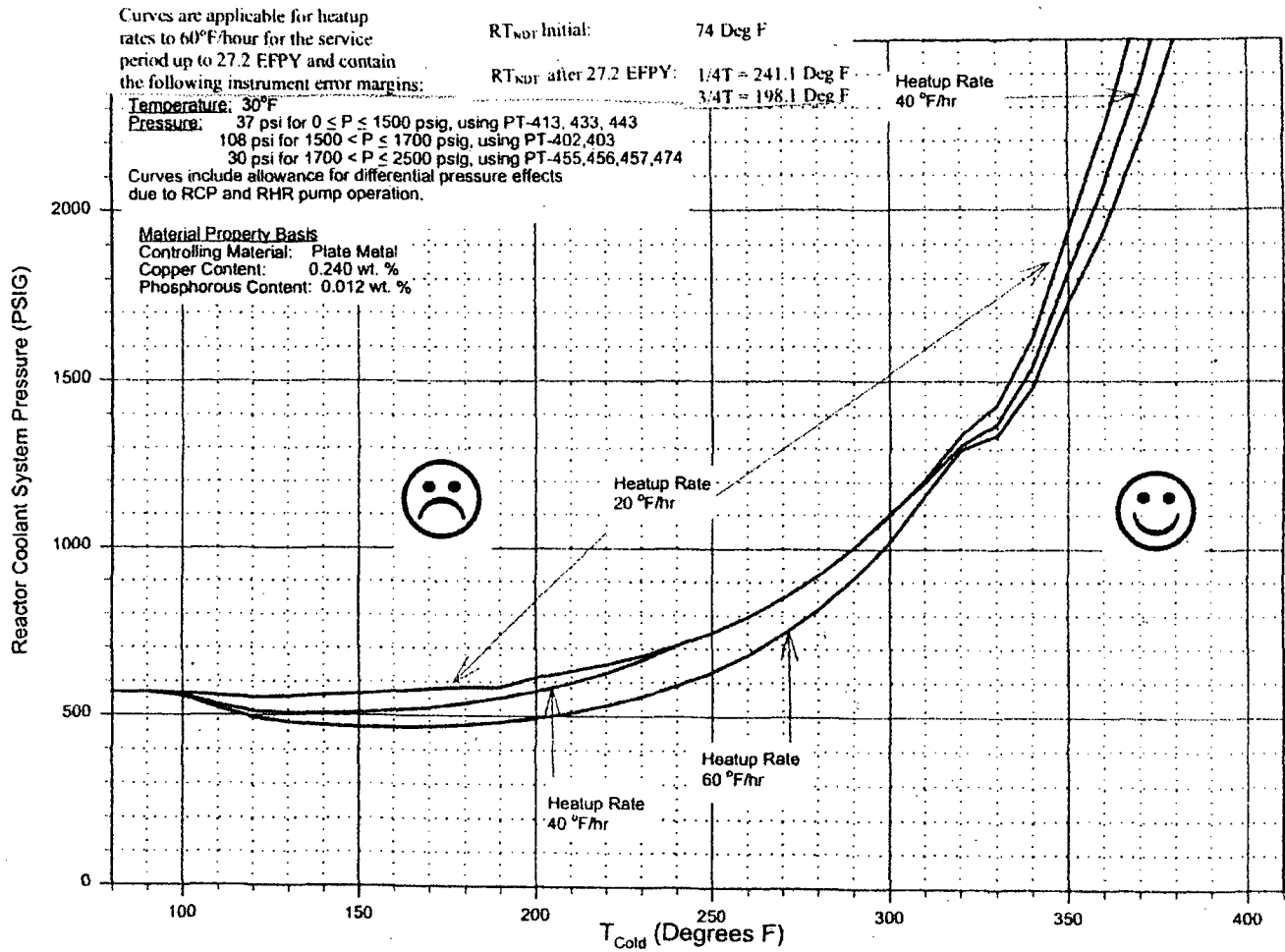
(4) (DELETED) Amdt. 205
2-27-01

D. (DELETED) Amdt.46
2-16-83

E. (DELETED) Amdt.37
5-14-81

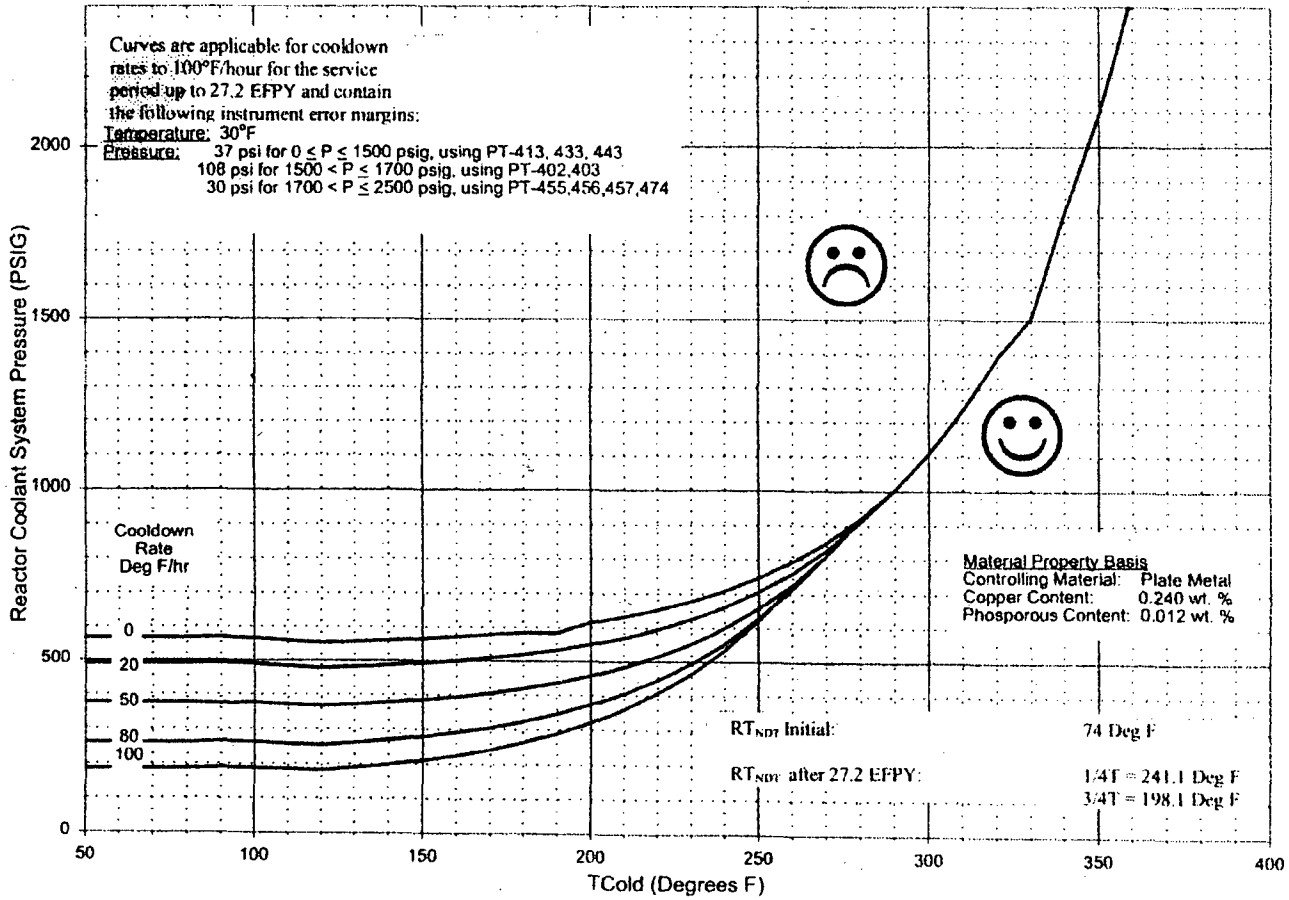
F. This amended license is also subject to appropriate conditions by the New York State Department of Environmental Conservation in its letter of May 2, 1975, to Consolidated Edison Company of New York, Inc., granting a Section 401 certification under the Federal Water Pollution Control Act Amendments of 1972.

Figure 3.4.3-1:
Heatup Limitations for Reactor Coolant System



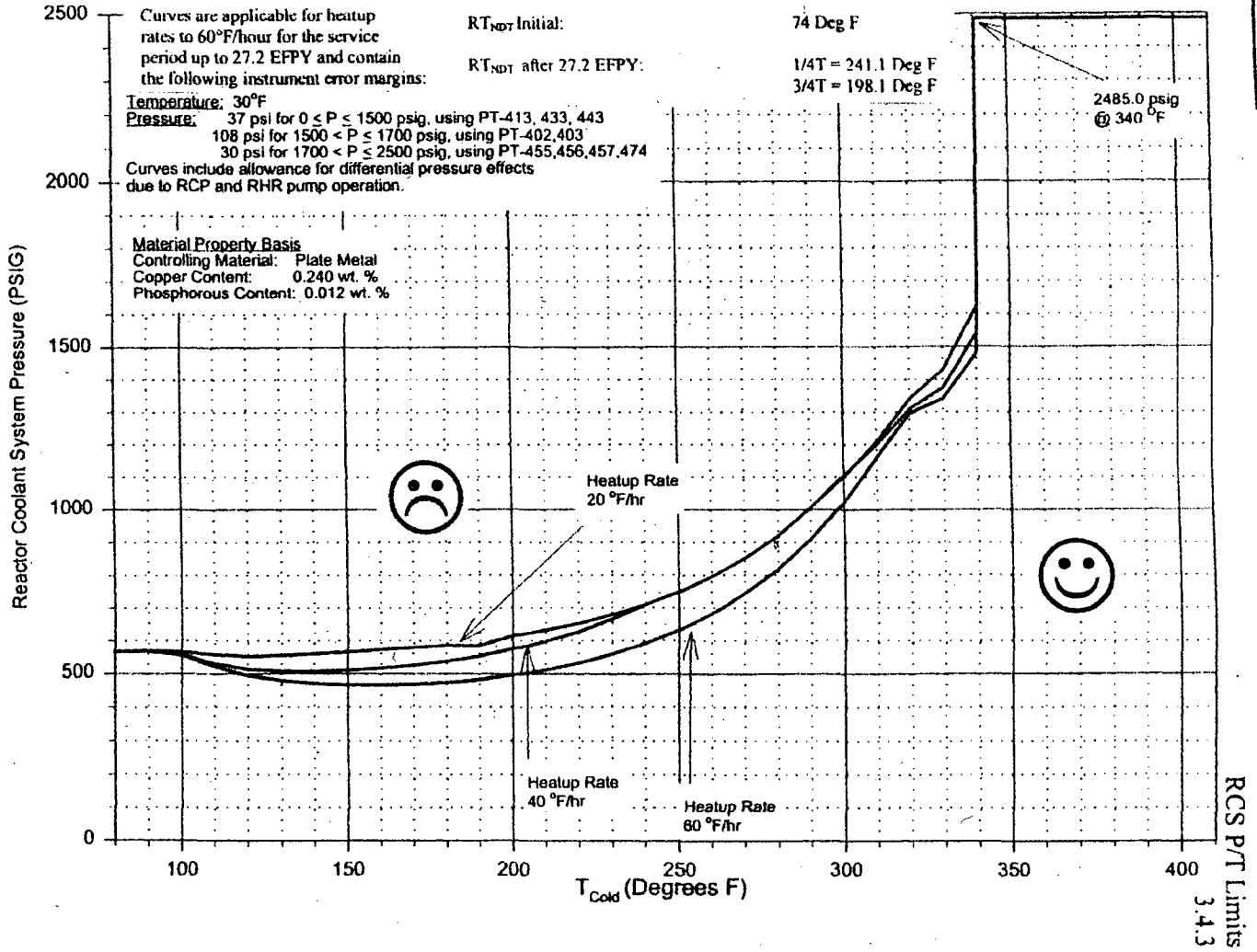
RCS P/T Limits
3.4.3

Figure 3.4.3-2:
Cooldown Limitations for Reactor Coolant System



Hydrostatic and Inservice Leak Testing Limitations for Reactor Coolant System

Figure 3.4.3-3:



3.4 REACTOR COOLANT SYSTEM (RCS)

3.4.7 RCS Loops-MODE 5, Loops Filled

- LCO 3.4.7 One residual heat removal (RHR) loop shall be OPERABLE and in operation, and either:
- a. One additional RHR loop shall be OPERABLE; or
 - b. The secondary side water level of at least two steam generators (SGs) shall be $\geq 71\%$ wide range.

----- NOTES -----

1. The RHR pump of the loop in operation may not be in operation for ≤ 1 hour per 8 hour period provided:
 - a. No operations are permitted that would cause reduction of the RCS boron concentration; and
 - b. Core outlet temperature is maintained at least 10°F below saturation temperature.
2. One required RHR loop may be inoperable for up to 2 hours for surveillance testing provided that the other RHR loop is OPERABLE and in operation.
3. No reactor coolant pump shall be started with the average of the RCS cold leg temperatures $\leq 330^\circ\text{F}$ unless the requirements of LCO 3.4.12, "Low Temperature Overpressure Protection (LTOP)," are met.
4. All RHR loops may be removed from operation during planned heatup to MODE 4 when at least one RCS loop is in operation.

APPLICABILITY: MODE 5 with RCS loops filled.

3.4 REACTOR COOLANT SYSTEM (RCS)

3.4.10 Pressurizer Safety Valves

LCO 3.4.10 Three pressurizer safety valves shall be OPERABLE with lift settings set ≥ 2460 psig and ≤ 2510 psig.

APPLICABILITY: MODES 1, 2, and 3,
MODE 4 with all RCS cold leg temperatures $> 330^\circ\text{F}$.

-----NOTE-----
The lift settings are not required to be within the LCO limits during MODES 3 and 4 for the purpose of setting the pressurizer safety valves under ambient (hot) conditions. This exception is allowed for 54 hours following entry into MODE 3 provided a preliminary cold setting was made prior to heatup.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One pressurizer safety valve inoperable.	A.1 Restore valve to OPERABLE status.	15 minutes
B. Required Action and associated Completion Time not met. <u>OR</u> Two or more pressurizer safety valves inoperable.	B.1 Be in MODE 3. <u>AND</u> B.2 Be in MODE 4 with any RCS cold leg temperature $\leq 330^\circ\text{F}$.	6 hours 12 hours

3.4 REACTOR COOLANT SYSTEM (RCS)

3.4.12 Low Temperature Overpressure Protection (LTOP)

LCO 3.4.12 LTOP shall be OPERABLE with no high head safety injection (HHSI) pumps capable of injecting into the RCS and the accumulator discharge isolation valves closed and de-energized, and either of the following:

-----Note-----
LCO 3.4.12.a and LCO 3.4.12.b are not Applicable when all RCS cold leg temperatures are $> 330^{\circ}\text{F}$.

- a. The Overpressure Protection System (OPS) OPERABLE with two power operated relief valves (PORVs) with lift settings within the limit specified in Figure 3.4.12-1;

OR

- b. The RCS depressurized with an RCS vent of ≥ 2.00 square inches.

- NOTES-----
1. Accumulator isolation is only required when accumulator pressure is greater than or equal to the maximum RCS pressure for the coldest existing RCS cold leg temperature allowed by the P/T limit curve in Figure 3.4.12-1.
 2. One HHSI pump may be made capable of injecting into the RCS as needed to support emergency boration or to respond to a loss of RHR cooling.
 3. One HHSI pump may be made capable of injecting into the RCS for pump testing for a period not to exceed 8 hours.
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APPLICABILITY: Whenever the RHR System is not isolated from the RCS, MODE 4 when any RCS cold leg temperature is $\leq 330^{\circ}\text{F}$, MODE 5, MODE 6 when the reactor vessel head is on.

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>B. An accumulator discharge isolation valve not closed and de-energized when the accumulator pressure is greater than or equal to the maximum RCS pressure for the coldest existing cold leg temperature specified in Figure 3.4.12-1.</p>	<p>B.1 Close and de-energize isolation valve for affected accumulator.</p>	<p>1 hour</p>
<p>C. Required Action and associated Completion Time of Condition B not met.</p>	<p>C.1.1 Increase all RCS cold leg temperatures to > 330°F.</p> <p style="text-align: center;"><u>AND</u></p> <p>C.1.2 Isolate the RHR System from the RCS.</p> <p style="text-align: center;"><u>OR</u></p> <p>C.2 Depressurize affected accumulator to less than the maximum RCS pressure for coldest existing cold leg temperature specified in Figure 3.4.12-1.</p>	<p>12 hours</p> <p>12 hours</p> <p>12 hours</p>
<p>D. One required PORV inoperable.</p>	<p>D.1 Restore required PORV to OPERABLE status.</p>	<p>7 days</p>

(continued)

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>E. Two required PORVs inoperable.</p> <p><u>OR</u></p> <p>Required Action and associated Completion Time of Condition C or D not met.</p>	<p>E.1 Depressurize RCS and establish RCS vent of ≥ 2.00 square inches.</p> <p><u>OR</u></p> <p>E.2.1 Increase all RCS cold leg temperatures to $> 330^{\circ}\text{F}$.</p> <p><u>AND</u></p> <p>E.2.2 Isolate the RHR System from the RCS.</p> <p><u>OR</u></p> <p>E.3 Verify pressurizer level, RCS pressure, and RCS injection capability are within limits specified in Figure 3.4.12-2 and Figure 3.4.12-3 for OPS not OPERABLE.</p>	<p>8 hours</p> <p>8 hours</p> <p>8 hours</p> <p>8 hours</p> <p><u>AND</u> Once per 12 hours thereafter</p>
<p>F. LTOP inoperable for any reason other than Condition A, B, C, D, or E.</p>	<p>F.1 Depressurize RCS and establish RCS vent of ≥ 2.00 square inches.</p>	<p>8 hours</p>

SURVEILLANCE REQUIREMENTS (continued)

SURVEILLANCE		FREQUENCY
SR 3.4.12.4	<p>-----NOTE----- Only required to be met when complying with LCO 3.4.12.a. -----</p> <p>Perform CHANNEL CHECK of Overpressure Protection (OPS) instrument channels.</p>	24 hours
SR 3.4.12.5	Verify PORV block valve is open for each required PORV.	72 hours
SR 3.4.12.6	<p>-----NOTE----- Not required to be performed until 12 hours after decreasing any RCS cold leg temperature to ≤ 330°F. -----</p> <p>Perform a COT on each required PORV, excluding actuation.</p>	24 months
SR 3.4.12.7	<p>Perform CHANNEL CALIBRATION for each required OPS channel as follows:</p> <p>a. OPS actuation channels; and</p> <p>b. RCS pressure and temperature instruments.</p>	<p>18 months</p> <p>24 months</p>

(continued)

SURVEILLANCE REQUIREMENTS (continued)

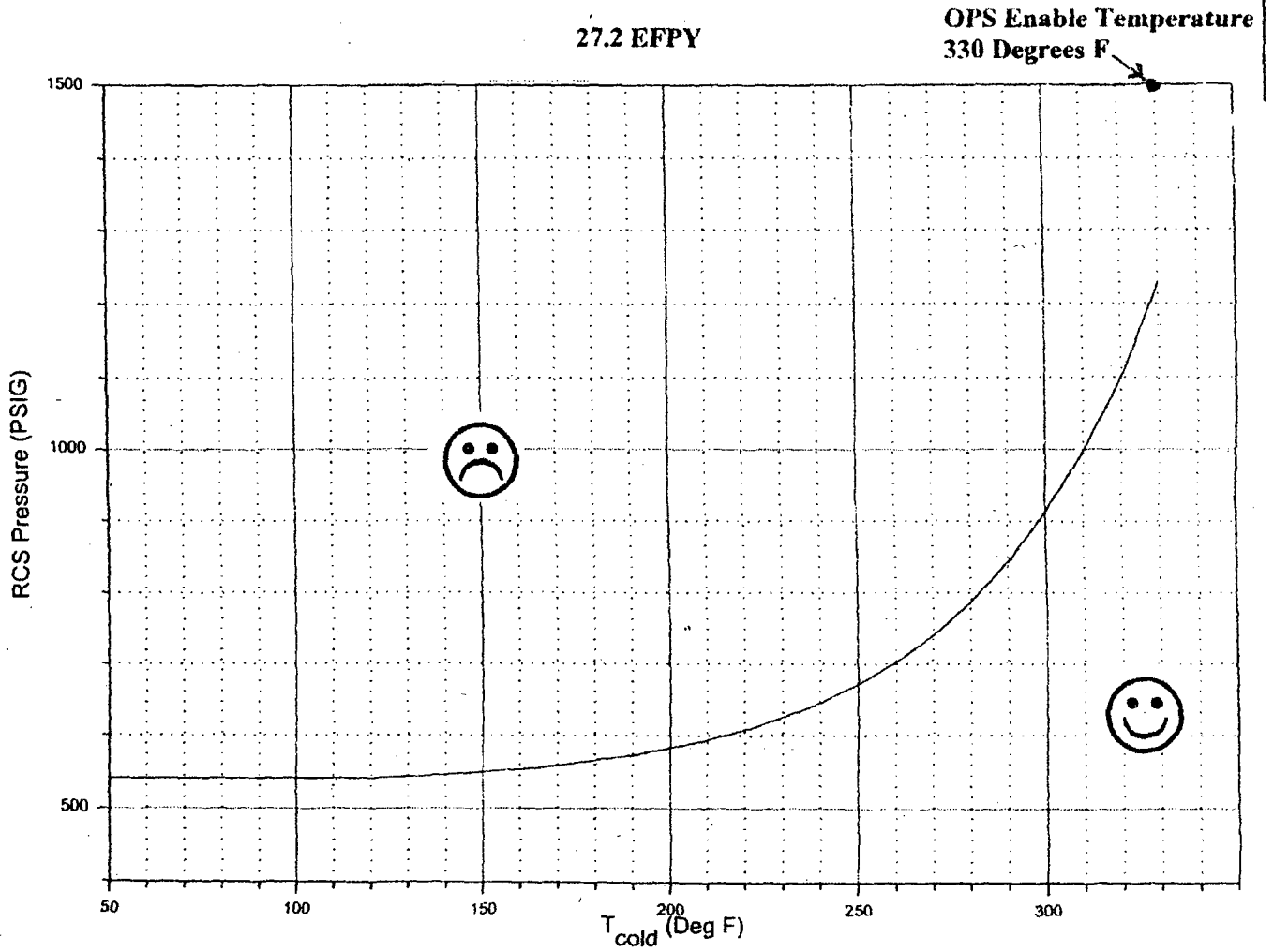
SURVEILLANCE	FREQUENCY
<p>SR 3.4.12.8</p> <p>-----NOTES-----</p> <ol style="list-style-type: none"> 1. Not required to be met when all RCS cold leg temperatures are > 330°F. 2. Not required to be met if SR 3.4.12.9 is met. <p>-----</p> <p>Verify each of the following conditions are satisfied prior to starting any RCP:</p> <ol style="list-style-type: none"> a. Secondary side water temperature of the hottest steam generator (SG) is less than or equal to the coldest RCS cold leg temperature; and b. RCS makeup is less than or equal to RCS losses; and c. Steam generator pressure is not decreasing; and d.1 Overpressure Protection System (OPS) is OPERABLE; <p><u>OR</u></p> <ol style="list-style-type: none"> d.2.1 RCS pressure less than nominal OPS setpoint specified in Figure 3.4.12-1; and d.2.2 Pressurizer level, RCS pressure, and RCS injection capability are within limits specified in Figure 3.4.12-2 and Figure 3.4.12-3 for OPS not OPERABLE. 	<p>Within 15 minutes prior to starting any RCP</p>

(continued)

SURVEILLANCE REQUIREMENTS (continued)

SURVEILLANCE	FREQUENCY
<p>SR 3.4.12.9 -----NOTES-----</p> <ol style="list-style-type: none"> 1. Not required to be met when all RCS cold leg temperatures are > 330°F. 2. Not required to be met if SR 3.4.12.8 is met. <p>-----</p> <p>Verify each of the following conditions are satisfied prior to starting any RCP:</p> <ol style="list-style-type: none"> a. Secondary side water temperature of the hottest steam generator is $\leq 64^{\circ}\text{F}$ above the coldest RCS cold leg temperature; and b. RCS makeup is less than or equal to RCS losses; and c. Overpressure Protection System (OPS) is OPERABLE; and d. Pressurizer level is $\leq 73\%$; and e. Coldest RCS cold leg temperature is within limits specified in Figure 3.4.12-4. 	<p>Within 15 minutes prior to starting any RCP</p>

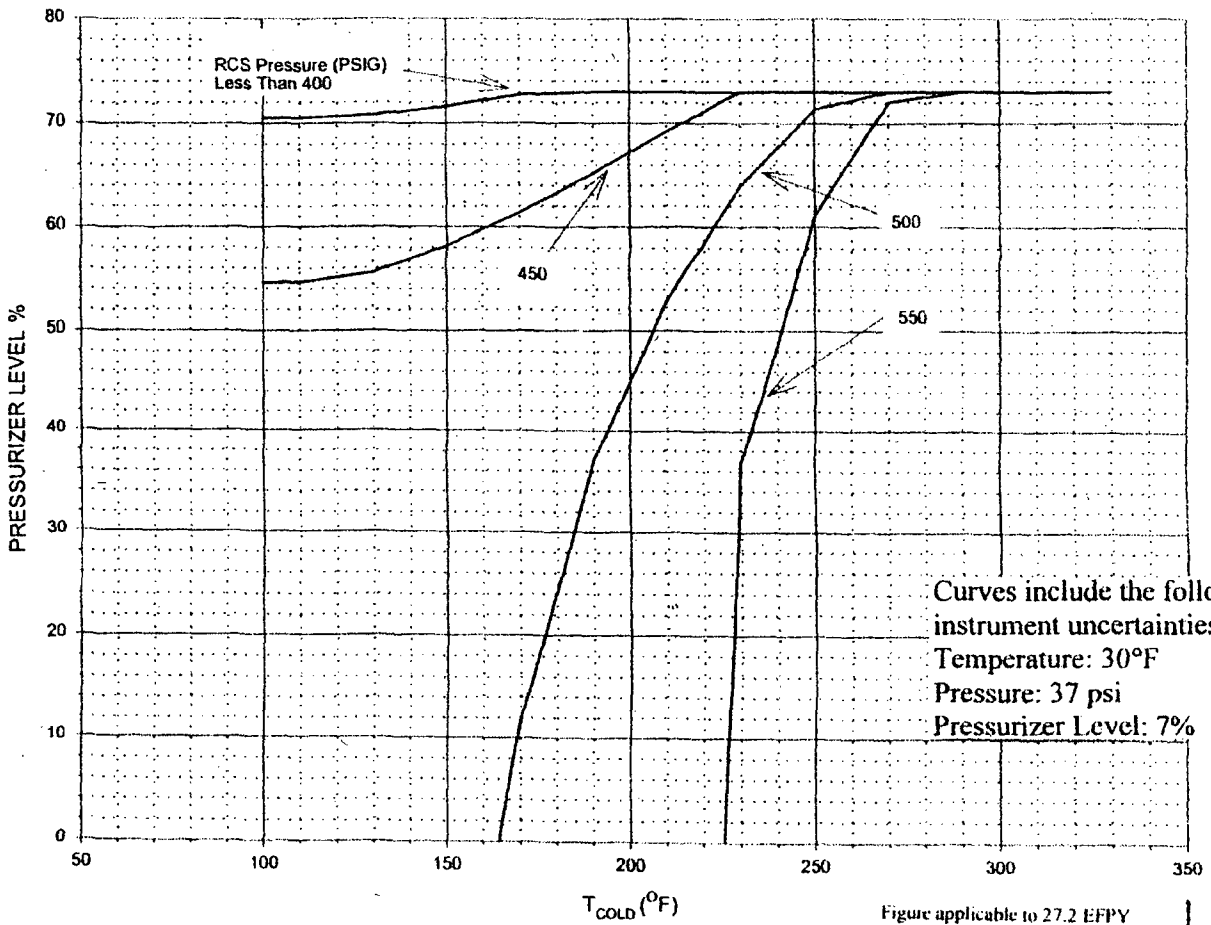
Figure 3.4.12-1: Maximum Allowable Nominal PORV Setpoint for LTOP (OPS), 27.2 EFPY



LTOP
3.4.12

Note: OPS Enable Temperature includes an allowance of 14.4 degF for instrument uncertainty and margin.

Analytical Curve



Curves include the following instrument uncertainties:
 Temperature: 30°F
 Pressure: 37 psi
 Pressurizer Level: 7%

Figure applicable to 27.2 EFPY

Curves represent maximum allowable pressurizer levels for the conditions defined

LTOP
3.4.12

Figure 3.4.12-2: Pressurizer Limitations for OPS Inoperable, 27.2 EFPY
 (Up to one charging pump capable of feeding the RCS)

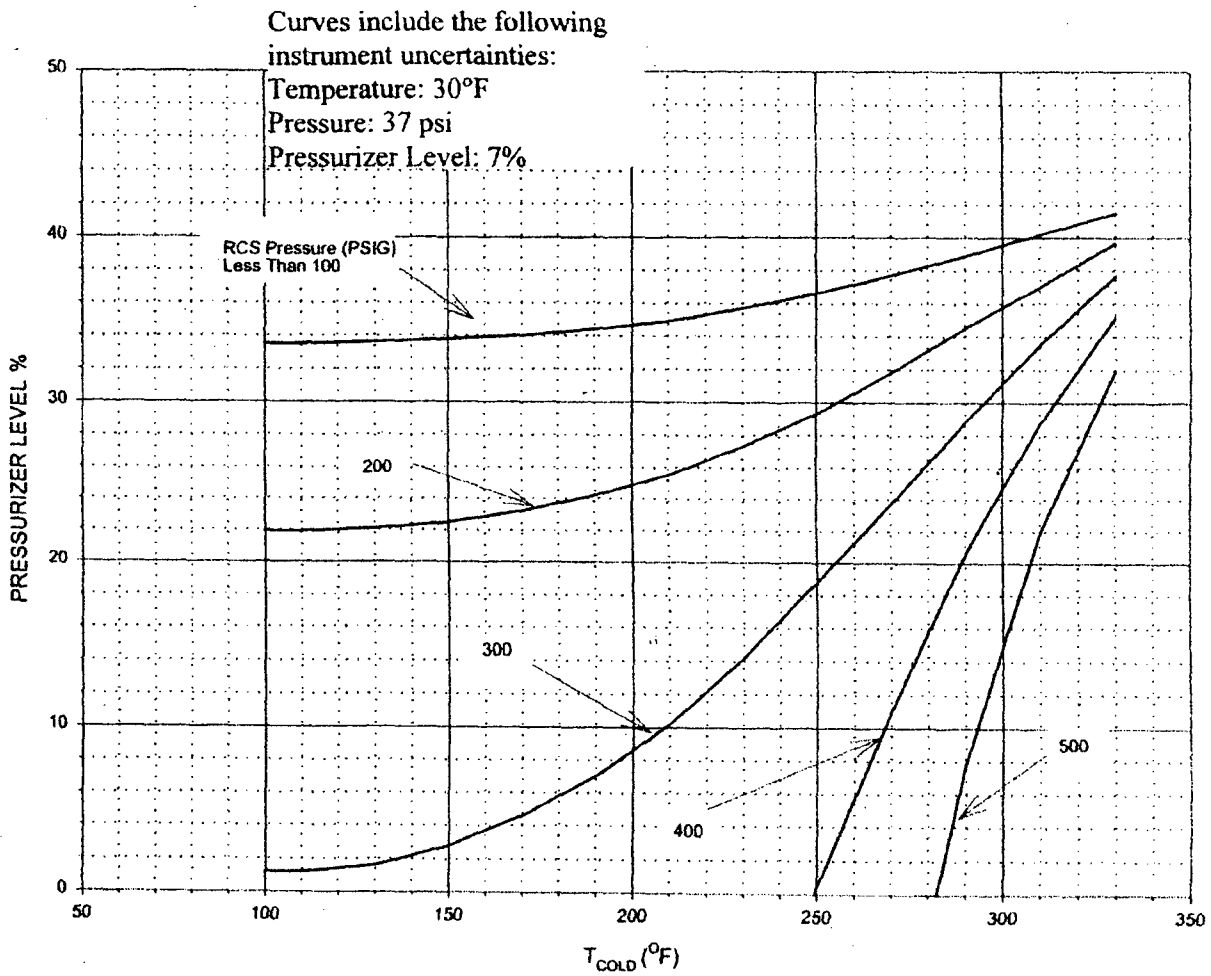


Figure 3.4.12-3: Pressurizer Limitations for OPS Inoperable, 27.2 EFPPY
 (Up to three charging pumps and/or one safety injection pump capable of feeding the RCS)

Figure applicable to 27.2 EFPPY

Curves represent maximum allowable pressurizer levels for the conditions defined

LTOP
 3.4.12

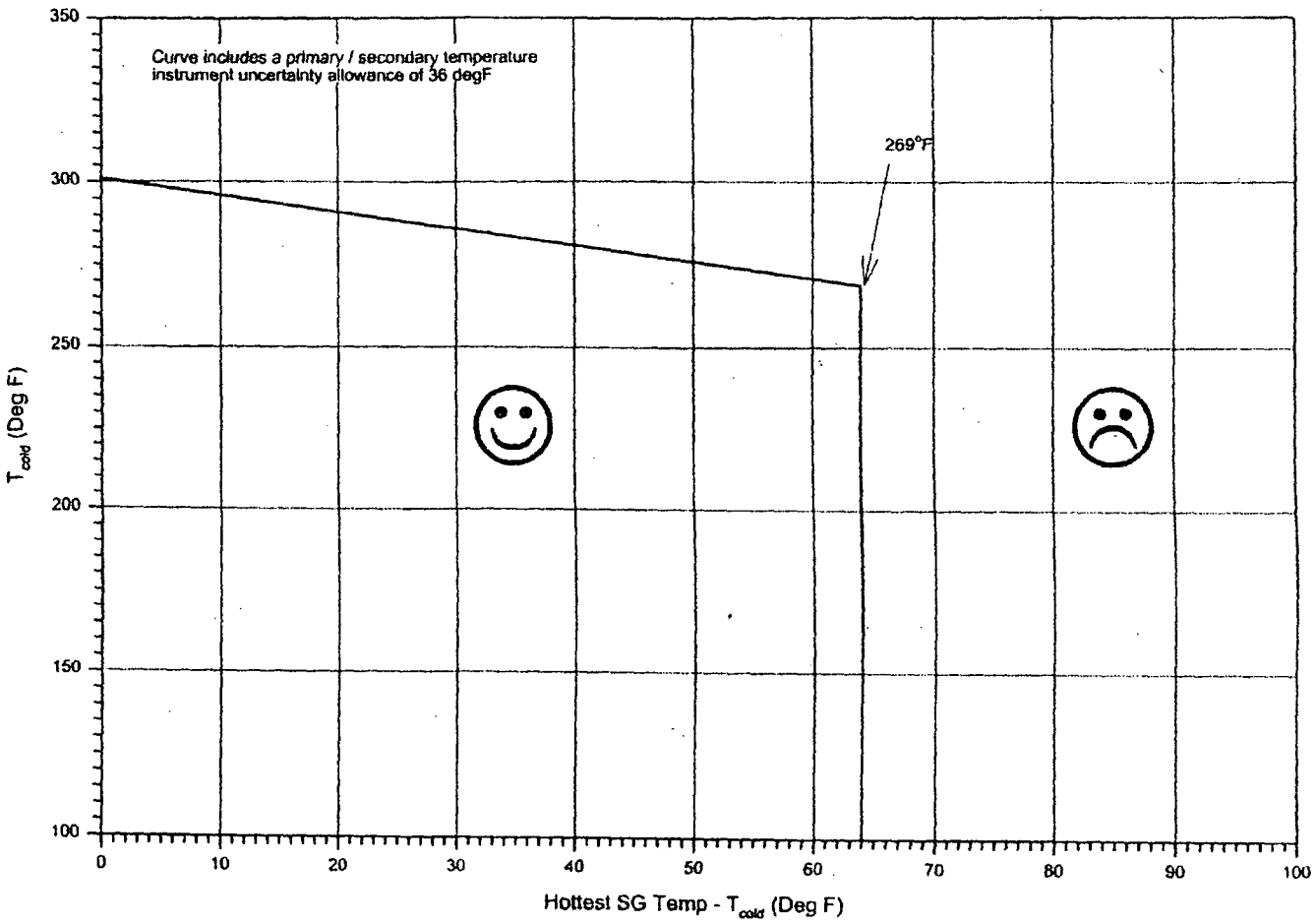


Figure 3.4.12-4: Secondary Side Limitations for RCP Start with Secondary Side Hotter than Primary Side, 27.2 EFPY