

Enclosure 2

TAC 15-002

Technical Specification and Bases Page Markups

- c. Has informed the reactor operator on duty where he may be contacted.

1.2.23 Safety Limit (SL)

Limits upon important process variables which are found to be necessary to reasonably protect the reactor fuel.

1.2.24 Secured Experiment

Any experiment, experimental facility, or component of an experiment that is held in a stationary position relative to the reactor by mechanical means. The restraining forces must be substantially greater than those to which the experiment might be subjected by hydraulic, pneumatic, buoyant, or other forces which are normal to the operating environment of the experiment, or by forces which can arise as a result of credible natural phenomena or malfunctions.

1.2.25 Shutdown Margin

Shutdown margin shall mean the shutdown reactivity necessary to provide confidence that the reactor can be made subcritical by means of the control and safety systems starting from any permissible operating condition, although the most reactive rod is stuck in its most reactive position, and that the reactor will remain subcritical without further operator action.

1.2.26 Site

The area ~~(approximately 1600 acres)~~ within the confines of the Vallecitos Nuclear Center (VNC) owned and operated by the licensee.

Delete

1.2.27 True Value

The true value for a parameter is its actual value at any instant.

1.2.28 Unscheduled Shutdown

Any unplanned shutdown of the reactor caused by actuation of the scram channels, operator error, equipment malfunction, or a manual shutdown in response to conditions which could adversely affect safe operation excluding shutdowns which occur during planned equipment testing or check-out operations.

Table 3-3 STACK RELEASE RATE LIMITS

Isotope Group	Annual Average
Halogen, > 8d T1/2	180 mCi/wk
Particulate, > 8d T1/2	
Beta-Gamma	870 microcuries/wk
Alpha	8.7 microcuries/wk
All other (including Noble Gas)	18 Ci/wk

3.4.3.4

During operation of the reactor above 0.1 kW or the performance of activities that could release radioactivity to the ventilation system, the stack particulate activity monitor and the gaseous activity monitor shall be operating.

If either the gas or particulate monitor is not operable, the reactor shall be shut down, or the activity involving releases shall be terminated, or the unit shall be promptly repaired or replaced with one of comparable monitoring capability. During this period, any indication of abnormal reactor operation shall be cause to shut down the reactor immediately.

3.4.4 Bases*

Operation in accordance with Specification 3.4.3.1 ensures that potentially contaminated reactor cell air due to reactor operation is released and monitored through the ventilation system.

The ventilation system release limits in Specification 3.4.3.2 are based on the following:

Add "site specific"

The annual average dilution factor from the NTR stack to the site boundary based on 1976 and 1977 meteorological conditions and stack flow rate of 1,800 cu ft/min equals approximately 33,000. That is, the concentration at the site boundary from a continuous uniform release from the NTR stack will be $\leq 1/33,000$ of the concentration at the stack when averaged over 1 year.

The above listed annual average limit contains a reduction factor of 2 to account for discharges from other VNC stacks.

* Revised by page substitution October 16th, 2001