

From: David.Gasperson@nrc.gov,
To: tomclements329@cs.com,
Subject: RE: Mr. Gasperson? Why is VC Summer reactor still at 0% power?
Date: Thu, Dec 2, 2021 12:24 pm

Hi, Tom,

Your questions are below with answers.

1. Why is the reactor down?

The reactor is down because the company is replacing the damaged transformer. Our inspectors observe that work and track the activities in preparation for start up.

2. What has been done to repair the transformer or other equipment?

Plant workers are replacing the main transformer with the onsite spare. The fire didn't damage any other equipment. Some supporting equipment associated with the main transformer, such as the deluge piping, were removed, inspected, and modified to fit the spare transformer.

3. How is the NRC monitoring this situation and has any report on the situation been prepared?

We have a senior resident inspector assigned at Summer that checks for the plant status each day. The inspector monitors the plant, observes the repairs to the transformer, and Dominion's activities as they prepare for start up. The inspector will walk down the new transformer as a part of routine plant status once it's energized.

As we do with any event at a plant, we'll continue to review what happened and how the plant responded. There is no interim report. The licensee submitted an event notification for the reactor trip (EN55580), and the NRC will review the associated 10 CFR 50.73 report, which is expected within 60 days of the fire.

You'll likely see the results of our inspection in the first quarter integrated inspection report for the plant.

-Dave

From: Tom Clements <tomclements329@cs.com>
Sent: Thursday, December 2, 2021 8:50 AM
To: Gasperson, Dave <David.Gasperson@nrc.gov>
Cc: OPA2 Resource <OPA2.Resource@nrc.gov>; RidsNrrPMSummer Resource <RidsNrrPMSummer.Resource@nrc.gov>
Subject: [External_Sender] Mr. Gasperson? Why is VC Summer reactor still at 0% power?

Hello Mr. Gasperson,

After the Nov. 17 "event" reported at the VC Summer unit 1 reactor, that caused it to be shut down, I notice that of December 2 that it is still listed at 0% power.

I have three questions concerning this:

1) Why is the reactor still down? 2) What has been done to repair the transformer or other equipment? 3) How is the NRC monitoring this situation and has any report on the situation been prepared?

Thanks for your response.

Sincerely,

Tom Clements

Director, Savannah River Site Watch

Columbia, SC

cell 803-240-7268

relevant citations:

Power Reactor Status Report for December 02, 2021

<https://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/ps.html>

Summer 0%

<https://www.nrc.gov/reading-rm/doc-collections/event-status/event/2021/20211117en.html>

Event Notification Report for November 17, 2021

U.S. Nuclear Regulatory Commission
Operations Center

EVENT REPORTS FOR
11/16/2021 - 11/17/2021

EVENT NUMBERS
[55580](#) [55583](#) [55584](#)

Power Reactor

Event Number: 55580

Facility: Summer

Region: 2 State: SC

Unit: [1] [] []

RX Type: [1] W-3-LP,[2] W-AP1000,[3] W-AP1000

NRC Notified By: Leon Smith

HQ OPS Officer: Donald Norwood

Notification Date: 11/15/2021

Notification Time: 21:00 [ET]

Event Date: 11/15/2021

Event Time: 17:28 [EST]
Last Update Date: 11/16/2021

Emergency Class: Non Emergency
10 CFR Section:
50.72(b)(2)(iv)(B) - RPS Actuation - Critical
50.72(b)(3)(iv)(A) - Valid Specif Sys Actuation

Person (Organization):
Miller, Mark (R2)

Power Reactor Unit Info

Unit SCRAM Code RX Crit Initial PWR Initial RX Mode Current PWR Current RX Mode

1 M/R Y 47 Power Operation 0 Hot Standby

Event Text

EN Revision Imported Date: 11/17/2021

EN Revision Text: MANUAL REACTOR TRIP DUE TO MAIN TRANSFORMER FAULT

"At 1728 EST on 11/15/2021, with Unit 1 in Mode 1 at 47 percent power, the reactor was manually tripped due to a main transformer fault. The trip was not complex, with all systems responding normally post-trip. Operations responded and stabilized the plant. Decay heat is being removed by the emergency feedwater system through the main condenser.

"Due to the Reactor Protection System actuation while critical, this event is being reported as a four-hour, non-emergency notification per 10 CFR 50.72(b)(2)(iv)(B).

"Additionally, due to the valid actuation of the emergency feedwater system, this event is being reported as a non-emergency notification per 10 CFR 50.72(b)(3)(iv)(A).

"There was no impact on the health and safety of the public or plant personnel. The NRC Senior Resident Inspector has been notified."

*** UPDATE ON 11/16/21 AT 1649 EST FROM BRUCE BENNETT TO KERBY SCALES ***

"At approximately 0900 [EST] on 11/16/2021, it was identified that mineral oil from the faulted main transformer had surpassed the capability of the oil containment system and discharged into Lake Monticello. It is estimated that less than 50 gallons of mineral oil entered the Lake. The oil is contained with booms and cleanup is ongoing. The EPA National Response Center and the South Carolina Department of Health and Environmental Control have been notified. This is considered a news release or notification to other government agencies; therefore, this event is reportable under 10 CFR 50.72(b)(2)(xi).

"The NRC Senior Resident Inspector has been notified."

Notified R2DO (Miller).