

March 8, 2016

Mr. Michael Byram, Quality Assurance Manager
Canberra Industries
800 Research Parkway
Meriden, CT 06450

SUBJECT: CANBERRA INDUSTRIES' RESPONSE TO THE U.S. NUCLEAR
REGULATORY COMMISSION INSPECTION REPORT NO. 99901461/2015-201
NOTICE OF NONCONFORMANCE

Dear Mr. Byram:

Thank you for your February 17, 2016, letter in response to the Notice of Nonconformance (NON) that was discussed in the subject U.S. Nuclear Regulatory Commission (NRC) inspection report (IR).

We have reviewed your letter and found that it is not fully responsive to addressing NON 99901461/2015-201-03. Specifically:

1. Your response to NON 99901461/2015-201-03 states, in part, that the alternate method utilized for temperature measurement by Canberra was not identical with recommended test equipment specifications by the manufacturer of the wave solder machine (WSM). The response then describes an evaluation of the effect on Canberra components and corrective steps taken related to solder temperature measurement. However, the response did not note if the evaluation included other WSM manufacturer test equipment recommendations. Several additional operational parameters were identified as critical to the proper operation of the WSM in Section 2b of the inspection report, including, but not limited to, temperature of the Preheat Stages 1, 2, and 3; circuit board belt transit speed; and solder wave depth on the circuit board.

Please describe how Canberra has evaluated any additional critical parameters effecting WSM performance. Additionally, please describe the extent-of-condition review to determine the potential adverse impact of using alternatives to manufacturer recommendations on other solder machines or during other solder procedures effecting safety-related components. The inspectors are specifically interested in control of any induced latent failure modes that could affect seismic and other qualifications not detected by the Canberra post soldering inspection process.

Please provide a written explanation or statement within 30 days of this letter in accordance with the instructions specified in the subject inspection report NON, with the exception that the copy be addressed to the Chief, Quality Vendor Inspection Branch-1. The agency will consider extending the response time if you show good cause for us to do so.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390 "Public Inspections, Exemptions, Requests for Withholding," of the NRC's "Rules of Practice," a copy of this letter, its enclosure(s), and your response will be made available electronically for public inspection in the NRC Public Document Room or from the NRC's Agencywide Documents Access and Management System, accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>. To the extent possible, your response should not include any personal privacy, proprietary, or safeguards information so that it can be made available to the Public without redaction. If personal privacy or proprietary information is necessary to provide an acceptable response, then please provide a bracketed copy of your response that identifies the information that should be protected and a redacted copy of your response that deletes such information. If you request that such material is withheld from public disclosure, you must specifically identify the portions of your response that you seek to have withheld and provide in detail the bases for your claim (e.g., explain why the disclosure of information will create an unwarranted invasion of personal privacy or provide the information required by 10 CFR 2.390(b) to support a request for withholding confidential commercial or financial information). If safeguards information is necessary to provide an acceptable response, please provide the level of protection described in 10 CFR 73.21 "Protection of Safeguards Information: Performance Requirements."

Please contact Mr. George Lipscomb at 301-415-6838, or via electronic mail at George.Lipscomb@nrc.gov, if you have any questions or need assistance regarding this matter.

Sincerely,

/RA/

Terry Jackson, Chief
Quality Vendor Inspection Branch-1
Division of Construction Inspection
and Operational Programs
Office of New Reactors

Docket No.: 99901461

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Sincerely,

/RA/

Terry Jackson, Chief
Quality Vendor Inspection Branch-1
Division of Construction Inspection
and Operational Programs
Office of New Reactors

Docket No.: 99901461

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NAME	GLipscomb	TJackson
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