



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

July 17, 1986

Mr. Michael J. Donovan, Chairman
Cardinal Industrial Product Corporation
8873 West Oquendo
Las Vegas, Nevada 89118

Dear Mr. Donovan:

As agreed during our meeting on May 14, 1986, we have reviewed Cardinal's proposed standard for SA 193-B7 bolting material. While we agree that standard specifications would improve quality and simplify procurement, handling, and warehousing activities; special precautions must be taken to assure that any standard specifications developed are complete and accurate. Along those lines, the following comments are provided:

1. On page four, under the heading, "Dimensions," it should be spelled out that socket head capscrews .060 "through 1" diameter are to be class 3A.
2. On page five under the heading of, "Plating," the baking temperature and duration should be given.
3. On page five under the heading of, "Inspection," the accept/reject criteria must be given to make the sampling plan usable.
4. On page five under the heading, "Visual Examination," some description of the characteristics which make up the "workmanship standard" should be added (e.g., cracks, bursts).
5. On page six under the heading, "NDE," second paragraph, it is implied that ultrasonic testing is a surface examination when in fact it is a volumetric examination. The words should be revised to reflect the intended scope of the examination.

I hope you find these comments useful. If you have any questions concerning the comments, please contact either Ellis Merschoff (301-492-9045) or Ed Baker (301-492-4874).

Sincerely,

For Robert F. Heishman, Chief
Vendor Program Branch
Division of Quality Assurance, Vendor
and Technical Training Center Programs
Office of Inspection and Enforcement

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