

NOV 03 1993

Aluminum Company of America  
ATTN: Mr. Dan Ryan, Manager  
Environmental/Industrial Hygiene  
1600 Harvard Avenue  
Cleveland, OH 44105

Dear Mr. Ryan:

On May 7, 1993, I transmitted to you an information notice related to revisions in 10 CFR Part 20, Standards for Radiation Protection. In the information notice, Nuclear Regulatory Commission staff explained that the implementation date for the new radiation protection standards had been extended to January 1, 1994. I am enclosing a copy of another information notice related to the new 10 CFR Part 20 requirements. This information notice is another reminder of the new requirements and it lists important Regulatory Guides and information that will be useful for implementing the new regulations. Please be aware that the amended 10 CFR Part 20 applies to all of our licensees and contains substantive revisions from the current version to update our radiation protection standards to adopt recommendations from the International Commission on Radiological Protection and the National Council on Radiation Protection and Measurements.

Please review the new 10 CFR Part 20 changes and their applicability to your operations. If you have any questions, please contact me at 301-504-3606.

Sincerely,

15/

Timothy C. Johnson, Section Leader  
Materials Decommissioning Section  
Decommissioning and Regulatory  
Issues Branch  
Division of Low-Level Waste Management  
and Decommissioning  
Office of Nuclear Material Safety  
and Safeguards

Enclosure: As stated

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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
OFFICE OF NUCLEAR MATERIAL SAFETY AND SAFEGUARDS  
WASHINGTON, D.C. 20555

October 8, 1993

NRC INFORMATION NOTICE NO. 93-80: IMPLEMENTATION OF THE REVISED  
10 CFR PART 20

Addressees

All byproduct, source, and special nuclear material licensees.

Purpose

The U.S. Nuclear Regulatory Commission is issuing this information notice to emphasize the upcoming deadline for implementation of the revised 10 CFR Part 20 and to encourage licensees to prepare for the revised Part 20 immediately. PLEASE ENSURE THAT YOUR MANAGEMENT AND RADIATION SAFETY STAFF, SUCH AS RADIATION SAFETY OFFICER AND RADIATION SAFETY COMMITTEE MEMBERS, REVIEW THIS DOCUMENT. It is expected that licensees will review this information for applicability to their operation, distribute it to appropriate staff, and consider actions to prepare for, and incorporate, these changes. However, suggestions contained in this information notice are not new NRC requirements; therefore, no specific action nor written response is required.

Description of Circumstances

The revised Part 20, "Standards for Protection Against Radiation," becomes effective for all NRC licensees on January 1, 1994. In recent meetings NRC has held with byproduct material licensees, NRC has become aware that some licensees are not knowledgeable about and have done little, if anything, to prepare for the revised Part 20, even though the implementation date is less than 3 months away. On January 1, 1994, NRC will begin inspecting against and enforcing the regulations in the revised Part 20 for all licensees.

Discussion

Licensees who have not yet prepared to implement the revised Part 20 regulations are late. Licensees who are not even knowledgeable about the new regulations will have difficulty in meeting the January 1, 1994, implementation date and risk being out of compliance with the regulations once they become effective for all licensees. All NRC licensees should be taking action as soon as possible to develop procedures for implementing the revised Part 20.

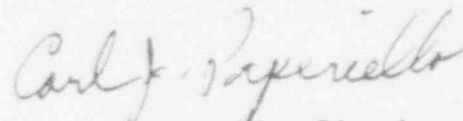
~~9310040360~~ L.P.

Enclosure 2

The final rule for the revised Part 20 was published in the Federal Register on May 21, 1991 (56 FR 23360), with an original implementation date of January 1, 1993. Subsequently, the implementation date was extended to January 1, 1994 (57 FR 38588). Licensees were sent copies of the new regulations and were informed of the revised Part 20 in an information notice (IN 93-03). Licensees have had over 2 years to prepare for the new regulations.

The revised Part 20 makes fundamental changes in the standards for protection against radiation. These changes require corresponding changes in licensees' radiation protection programs. Licensees who are just now beginning to look at the new regulations and consider their impact are sorely behind in preparing for implementation. If licensees find themselves in this situation, NRC encourages them to immediately review the regulations, associated regulatory guides, and related guidance documents, and begin to prepare to implement the revised Part 20. Copies of the revised Part 20 and the regulatory guides may be obtained in accordance with the directions in Attachment 1.

This information notice requires no specific action nor written response. If you have any questions about the information in this notice, please contact one of the technical contacts listed below or the appropriate regional office.



Carl J. Paperiello, Director  
Division of Industrial and  
Medical Nuclear Safety  
Office of Nuclear Material Safety  
and Safeguards

Technical contacts: Cynthia G. Jones, NMSS  
(301) 504-2629  
Joseph E. DeCicco, NMSS  
(301) 504-2067  
Catherine T. Haney, NMSS  
(301) 504-2628  
Scott W. Moore, NMSS  
(301) 504-2514  
Sami Sherbini, NMSS  
(301) 504-3680

Attachments:

1. Addresses for Obtaining Part 20 Documents
2. List of Recently Issued NMSS Information Notices
3. List of Recently Issued NRC Information Notices

## ADDRESSES FOR OBTAINING REVISED 10 CFR PART 20 DOCUMENTS

### OBTAINING THE REVISED 10 CFR PART 20

Title 10, Code of Federal Regulations (CFR), which contains the revised Part 20, may be obtained in bound form from the Government Printing Office (GPO), at the current GPO price. Information on prices may be obtained by contacting the Superintendent of Documents, U.S. Government Printing Office, P.O. Box 371954, Pittsburgh, PA 15250-7954, or by telephoning GPO at (202) 783-3238. Be sure to request the volume that contains Parts 0 through 50 (Stock Number 869-019-00029-1).

### OBTAINING REGULATORY GUIDES

Licensees are encouraged to review the applicable regulatory guides for assistance in the implementation of the revised Part 20. The regulatory guides that have been developed to assist with the implementation of the revised Part 20 include the following:

1. Regulatory Guide 8.7, Revision 1, "Instructions for Recording and Reporting Occupational Exposure Data"
2. Regulatory Guide 8.9, Revision 1, "Acceptable Concepts, Models, Equations, and Assumptions for a Bioassay Program"
3. Regulatory Guide 8.25, Revision 1, "Air Sampling in the Workplace"
4. Regulatory Guide 8.34, "Monitoring Criteria and Methods to Calculate Occupational Radiation Doses"
5. Regulatory Guide 8.35, "Planned Special Exposures"
6. Regulatory Guide 8.36, "Radiation Dose to the Embryo/Fetus"
7. Regulatory Guide 8.37, "ALARA Levels for Effluents from Materials Facilities"
8. Regulatory Guide 10.8, Revision 2, Appendix X, "Guidance on Complying with New Part 20 Requirements"

Copies of issued regulatory guides may be purchased from the GPO at the current GPO price. Information on prices may be obtained by contacting the Superintendent of Documents, U.S. Government Printing Office, P.O. Box 37082, Washington, D.C. 20013-7082, or by telephoning (202) 512-2249 or (202) 512-2171.

#### OBTAINING OTHER REVISED PART 20 DOCUMENTS

NRC has issued six sets of questions and answers (Q&As) regarding implementation of the revised Part 20, and other sets are being developed. The Q&As may be obtained from NRC's Public Document Room at: Public Document Room, USNRC, Washington, D.C. 20555, or by telephoning (202) 634-3273. Ask for "the revised Part 20 question and answer sets" when requesting the documents. There is a fee for reproduction and mailing.

LIST OF RECENTLY ISSUED  
 NMSS INFORMATION NOTICES

Information Notice No.	Subject	Date of Issuance	Issued to
93-77	Human Errors that Result in Inadvertent Transfers of Special Nuclear Material at Fuel Cycle facilities	10/04/93	All nuclear fuel cycle licensees.
93-73	Criminal Prosecution of Nuclear Suppliers for Wrongdoing	09/15/93	All NRC licensees.
93-69	Radiography Events at Operating Power Reactors	09/02/93	All holders of OLs or CPs for nuclear power reactors and all radiography licensees.
93-60	Reporting Fuel Cycle and Materials Events to the NRC Operations Center	08/04/93	All fuel cycle and materials licensees.
93-50	Extended Storage of Sealed Sources	07/08/93	All licensees authorized to possess sealed sources.
93-36	Notifications, Reports, and Records of Misadministrations	05/07/93	All U.S. Nuclear Regulatory Commission medical licensees.
93-31	Training of Nurses Responsible for the Care of Patients with Brachytherapy Implants	04/13/93	All U.S. Nuclear Regulatory Commission medical licensees.
93-30	NRC Requirements for Evaluation of Wipe Test Results; Calibration of Count Rate Survey Instruments	04/12/93	All U.S. Nuclear Regulatory Commission medical licensees.
93-19	Slab Hopper Bulging	03/17/93	All nuclear fuel cycle licensees.
93-18	Portable Moisture-Density Gauge User Responsibilities during Field Operations	03/10/93	All U.S. Nuclear Regulatory Commission licensees that possess moisture-density gauges.

LIST OF RECENTLY ISSUED  
 NRC INFORMATION NOTICES

Information Notice No.	Subject	Date of Issuance	Issued to
93-79	Core Shroud Cracking at Beltline Region Welds in Boiling-Water Reactors	09/30/93	All holders of operating licenses or construction permits for boiling-water reactors (BWRs).
93-78	Inoperable Safety Systems At A Non-Power Reactor	10/04/93	All holders of OLs or CPs for test and research reactors.
93-77	Human Errors that Result in Inadvertent Transfers of Special Nuclear Material at Fuel Cycle Facilities	10/04/93	All nuclear fuel cycle licensees.
93-76	Inadequate Control of Paint and Cleaners for Safety-Related Equipment	09/21/93	All holders of OLs or CPs for nuclear power reactors.
93-75	Spurious Tripping of Low-Voltage Power Circuit Breakers with GE RMS-9 Digital Trip Units	09/17/93	All holders of OLs or CPs for nuclear power reactors.
93-74	High Temperatures Reduce Limitorque AC Motor Operator Torque	09/16/93	All holders of OLs or CPs for nuclear power reactors.
93-73	Criminal Prosecution of Nuclear Suppliers for Wrongdoing	09/15/93	All NRC licensees.
93-72	Observations from Recent Shutdown Risk and Outage Management Pilot Team Inspections	09/14/93	All holders of OLs or CPs for nuclear power reactors.
93-71	Fire at Chernobyl Unit 2	09/13/93	All holders of OLs or CPs for nuclear power reactors.

OL = Operating License  
 CP = Construction Permit