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

DOCKETED  
USNRC

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Marshall E. Miller, Chairman  
Administrative Judge  
1920 South Creek Boulevard  
Spruce Creek Fly-In  
Daytona Beach, Florida 32124

Frederick J. Shon  
Administrative Judge  
Atomic Safety and Licensing  
Board Panel  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dr. Oscar H. Paris  
Administrative Judge  
Atomic Safety and Licensing  
Board Panel  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

James H. Carpenter  
Administrative Judge  
Atomic Safety and Licensing  
Board Panel  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

In the Matter of  
SAFETY LIGHT CORPORATION, UNITED STATES RADIUM CORPORATION,  
USR INDUSTRIES, INC., USR LIGHTING, INC., USR CHEMICAL PRODUCTS, INC.,  
USR METALS, INC., U.S. NATURAL RESOURCES, INC.,  
LIME RIDGE INDUSTRIES, INC., AND METREAL, INC.  
(Bloomsburg PA. Site Decontamination)  
Docket Nos.: 30-05980, 30-05981, 30-05982,  
30-08335, 30-08444, ASLBF Nos. 89-590-01-OM and 90-598-01-OM-2

Dear Administrative Judges:

For your information I am enclosing a copy of an amendment to Chem-Nuclear Services, Inc.'s license (License No. 39-23004-01). The Chem-Nuclear license, as amended, authorizes Chem-Nuclear to perform characterization work at the Safety Light site this summer under the Chem-Nuclear license, rather than under the licenses that authorize Safety Light's activities at the site. The NRC staff's rationale for issuing the amendment is explained in the attached cover letter which transmitted the amendment.

Sincerely,

*Robert M. Weisman*

Robert M. Weisman  
Counsel for NRC Staff

cc: Service List

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37-00030-02 PDR

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2 15:50 06/30/20 07/06/90 09:51 FROM REG.2-ATLANTA

UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II  
101 MARIETTA STREET, N.W.  
ATLANTA, GEORGIA 30323

JUL 03 1990

Docket No. 030-20159  
License No. 39-23004-01

Chem-Nuclear Services, Inc.  
ATTN: Mr. Michael Ryan  
Executive Director of  
Regulatory Affairs  
220 Stoneridge Drive  
Columbia, South Carolina 29310

Gentlemen:

SUBJECT: AMENDMENT 03 TO LICENSE NO. 39-23004-01

Enclosed please find Amendment 03 to License No. 39-23004-01 that was issued following the June 29, 1990, telephone conversation that included Michael Ryan and Bill House of Chem-Nuclear Services, Inc. (CNSI), Bernard Bordenick of the Nuclear Regulatory Commission's (NRC's) Office of the General Counsel, Carol Connell and Charles Hosey of NRC's Region II office and Patricia Vacca of NRC's Headquarters' staff.

In the June 29 conversation the NRC staff pointed out that the Interim Settlement Agreement between USR Industries and the NRC Staff (dated May 4, 1990) included as an attachment CNSI's May 3, 1990, letter (with appendixes) that proposed the scope of work CNSI would perform at the Safety Light Corporation (SLC) site in Bloomsburg, Pennsylvania this summer. In accordance with discussions between CNSI and NRC staff during development of the proposed scope of work and as further described in Appendix C to its May 3 letter, CNSI agreed to do most of the site characterization work at Bloomsburg under the terms of CNSI's license. SLC would assume responsibility under SLC's license for wastes that are generated during the characterization work (including samples returned from off-site analyses) upon transfer from CNSI.

Recently the NRC staff has reviewed the licenses issued to CNSI and SLC, and noted that the CNSI license did not clearly authorize the site characterization activities to be conducted at Bloomsburg in the manner described above. In the June 29 telephone conversation the NRC staff proposed, and Messrs. Ryan and House agreed on behalf of CNSI, that the license be amended to authorize these activities explicitly. This would be accomplished by adding to Condition 9, authorization to conduct any activity related to site characterization studies (which is intended to include drilling wells, obtaining and analyzing samples, etc.) and revising Condition 14. to read: "This license does not authorize the possession and use of licensed material at customer facilities or customer temporary job sites for uses specifically authorized under the customer's license, except as specifically authorized in writing by the Nuclear Regulatory Commission." This language means that, upon your written request in a specific case and under appropriate circumstances, NRC would grant its written permission by letter, rather than by license amendment.



Chem-Nuclear Services, Inc.

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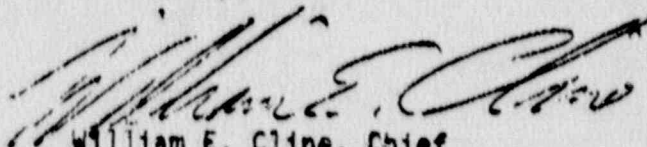
JUL 03 1990

The enclosed amendment reflects these changes. Accordingly, pursuant to Condition 14, as revised by Amendment 03, you are hereby authorized to conduct site characterization work at the SLC site in Bloomsburg, Pennsylvania during 1990 in accordance with the scope of work outlined in your May 3, 1990, letter with apperdexes, CNSI's work plan dated June 12, 1990, and the changes requested in NRC's June 19, 1990, letter.

The NRC staff initiated this amendment to your license for the convenience of the Commission and, accordingly, you do not owe a fee, as would ordinarily be required by 10 CFR 170.31.

We appreciate CNSI's cooperation in this matter. If you have any questions about this amendment, please contact Carol Connell in NRC's Region II office at (404) 331-2675 or Patricia Vacca at NRC's Headquarters at (301) 492-0615.

Sincerely,



William E. Cline, Chief  
Nuclear Materials Safety and  
Safeguards Branch  
Division of Radiation Safety  
and Safeguards

Enclosure:  
Amendment 03

cc w/encl:  
Gera'd Charnoff, Esq.  
Shaw, Pittman, Potts & Trowbridge  
2300 N Street, NW  
Washington, DC 20037

## MATERIALS LICENSE

Amendment No. 03

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 40 and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

## Licensee

1. Chem - Nuclear Systems, Inc.

2. 220 Stonebridge Drive  
Columbia, South Carolina 292103. License number 39-23004-01 is hereby  
amended in entirety to read as follows:

4. Expiration date August 31, 1984

5. Docket or  
Reference No. 030-201596. Byproduct, source, and/or  
special nuclear material7. Chemical and/or physical  
formMaximum amount that licensee  
may possess at any one time  
under this licenseA. Any byproduct material  
with atomic numbers 1  
through 92

50,000 curies total

B. Any source material

5,000 kilograms  
totalC. Any byproduct material  
with atomic numbers 93  
and above

10 curies total

D. Special Nuclear Material

D. Not to exceed: 350  
grams of uranium  
235 or 200 grams of  
uranium 233 or 200  
grams of plutonium  
or any combination  
of these provided  
the sum of the  
ratios of the  
quantities does  
not exceed unity.

## 9. Authorized use

A. through D. For receipt, use, and/or possession incident to:

- (1) Transport in packages or containers approved for use under the provisions of 10 CFR Part 71 for transfer to persons authorized to receive the licensed material pursuant to the terms and conditions of specific licenses issued by the Nuclear Regulatory Commission or any Agreement State;



MATERIALS LICENSE  
SUPPLEMENTARY SHEET

License number 39-23004-01

Docket or Reference number 030-20159

Amendment No. 03

9. cont'd)

- (2) Decontamination of facilities, equipment, and containers;
- (3) Solidification and treatment of wastes;
- (4) Packaging for transport; and
- (5) Any activity related to site characterization studies (which is intended to include drilling wells, obtaining and analyzing samples, etc.)

## CONDITIONS

10. Licensed material shall be used only at temporary job sites of the licensee anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.
11. Licensed material shall be used by, or under the supervision and in the physical presence of, Mark S. Whittaker or any individual trained as specified in application dated October 21, 1988, and designated by the licensee's Safety Review Board.
12. This license does not authorize the import of packages containing byproduct material wastes.
13. The licensee may transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
14. This license does not authorize the possession and use of licensed material at customer facilities or customer temporary job sites for uses specifically authorized under the customer's license, except as specifically authorized in writing by the Nuclear Regulatory Commission.
15. The licensee shall notify NRC prior to if practicable, and in any case immediately after, taking any emergency action to decontaminate facilities or equipment; or to confiscate, possess, or receive any quantity of licensed material for purposes of safeguarding the material and/or the health and safety of the public. The licensee shall:
  - A. Report by telephone to the Administrator of the appropriate NRC Regional Office listed in Appendix D of 10 CFR Part 20 immediately after it becomes known to the licensee that due to the presence of licensed material in such quantities and circumstances that a substantial hazard may exist to persons in unrestricted areas;
  - B. Describe the proposed actions to be taken to take possession of the licensed material and to alleviate the substantial hazard;
  - C. Provide the names of licensee personnel involved in the actions and their telephone numbers where they may be contacted; and
  - D. Take only those actions which are concurred in by the Regional Administrator. The licensee shall comply with any instructions received from NRC, including a request to refrain from performing decontamination activities, taking possession of radioactive material, or a request to surrender material to NRC.