



DEPARTMENT OF THE ARMY
SAVANNA ARMY DEPOT ACTIVITY
SAVANNA, ILLINOIS 61074-9636

REPLY TO ATTENTION OF:

SDSLE-VC

MEMORANDUM THRU:

[Signature]
Commander, Letterkenny Army Depot, ATTN: SDSLE-SS, Chambersburg, PA
17201-4150

Commander, U.S. Army Depot System Command, ATTN: AMSDS-T, Chambersburg,
PA 17201-4150 *[Signature]* 6 Jul 87

✓ FOR: Commander, U.S. Army Material Command, ATTN: AMCSF-P, 5001 Eisen-
hower Avenue, Alexandria, VA 22333-0001

SUBJECT: Request for Amendment of Source Material License #SVC-1394.

1. Request subject license be amended to include Bridgette Cottral as an additional Alternate Radiation Protection Officer (See encl 1).
2. POC at this activity is Mr. Bruce G. Ramm, Autovon 585-8456.
3. SVADA - Providing Soldiers the Decisive Edge.

Encl

[Signature]
SCOTT W. HULL
LTC, OD
Commanding

CF:
Nuclear Regulatory Commission
Region III
799 Roosevelt Rd.
Glen Ellyn, IL 60137 (w/encl)

RECEIVED

JUL 13 1987

CONTROL NO 83830 REGION III

8708040036 870717
REG3 LIC40
SUC-1394 PDR

SAVANNA ARMY DEPOT ACTIVITY
SAVANNA, ILLINOIS 61074-9636
Supplement 3
Item 7
Radiation Protection Personnel

Alternate Radiation Protection Officer

Name: Bridgette D. Cottral

Position: Safety and Occupational Health Manager, GS-018-11

Radiation Safety Training and Experience

Formal Training:

Course	Topics Covered	Conducted by	Location	Date/Hrs
1. Basic Nuclear Weapons	Radiation protection and detection logistics.	U.S. Army Defense Ammunition Center and School(USADACS)	Savanna, IL	5 Jan-30 Jan 81, 160 hours
2. Nuclear Weapons Applications	Applications, maintenance operations, and emergency destruction of current Army nuclear weapons	USADACS	Savanna, IL	2 Feb-15 Apr 81 472 hours
3. Nuclear Weapons Calibration	Use and calibration of electronic measuring equipment	USADACS	Savanna, IL	16 Apr-4 May 81 104 hours
4. NAIC Operations and Planning Course	Radiation mathematics explosive & radiological fire hazards Radiation protection & detection Alpha team activities Accident patterns, plotting, and map reading Contamination control stations Other emergency teams Emergency Operations Center NAIC Response Team Operations	USADACS	Savanna, IL	5 May-18 May 81 80 hours

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5. Special Radiation Control Training	Radiation detection instruments & Alpha team operations	USADACS	Savanna, IL	10 May- 16 May 84 15 hours
6. Respiratory Protection Program Course	Types of respiratory protection & requirements	USADACS	Savanna, IL	17 Jan 85 8 hours
7. Radiological Safety Course	Biological Effects of Radiation Radiation Detection X-Ray, Gamma, Beta & Alpha Instruments Shielding of Radiation Standards of Protection Safe Handling & Storage Leakage Testing Scaler Counting Control & Reporting of Radiation Matter. Licensing & SOP Writing Radiac Instr. Calibration Radiation Decontamination Transportation of Rad. Mtls Disposal of Rad. Mtls Management of Rad. Accidents Health Physics Surveys	US Army Chemical School	Ft McClellan Ala	2-19 Sep 86 120 hours

EXPERIENCE:

Six months OJT as Alternate Radiation Protection Officer, Savanna Army Depot Activity. Experience involves evaluating and recording results of radiation monitoring, operations involving storage and safe handling of depleted uranium munitions, chemical agent alarms with Americium 241 source and Howitzer guns with Tritium source.

Six months experience working at Joliet Army Ammunition Plant as Quality Assurance Specialist where depleted uranium munitions were manufactured.

One year, six months experience as Safety and Occupational Health Manager at Savanna Army Depot Activity.

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TYPES AND QUANTITIES OF RADIOACTIVE MATERIAL USED

Isotope: Sr-Y90
Maximum Amount: 25 mci
Where Experience was Gained: U.S. Army Defense Ammunition Center and
School,
Savanna, IL
Duration of Experience: 2 hours.
Type of Use: Handled in the form of the TS-784A/PD Radiac Calibrator

Isotope: Ra 226
Maximum Amount: 70 uci
Where Experience was Gained: U.S. Army Defense Ammunition Center and
School, Savanna, IL
Duration of Experience: 2 hours.
Type of Use: Handled through the use of radioactive check sources

Isotope: Pu 239
Maximum Amount: 1.4 uci
Where Experience was Gained: U.S. Army Defense Ammunition Center and
School, Savanna, IL
Duration of Experience: 2 hours
Type of Use: Handled in form of AN/UDM-6 Radiac Calibrator

Isotope: AM 241
Maximum Amount: 6.41 uci
Where Experience was Gained: U.S. Army Defense Ammunition Center and
School, Savanna, IL
Duration of Experience: 2 hours
Type of Use: Handled in the form of a Radiac check source

Isotope: U235
Maximum Amount: 1 uci
Where Experience was Gained: U.S. Army Defense Ammunition Center and
School, Savanna, IL
Duration of Experience: 2 hours
Type of Use: Handled in the form of a radiac check source

Isotope: U238
Maximum Amount:
Where Experience was Gained: Savanna Army Depot Activity, Savanna, IL
and Joliet Army Ammunition Plant, Joliet, IL
Duration of Experience: Over 1 year.
Type of Use: Component parts of weapons

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Isotope: Kr 5

Maximum Amount: 85 mci

Where Experience was Gained: U.S. Army Defense Ammunition Center and
School, Savanna, IL

Duration of Experience: 2 hours.

Type of Use: Handled through the use of radioactive check sources.

Isotope: Th 230

Maximum amount:

Where Experience was Gained: U.S. Army Defense Ammunition Center and
School, Savanna, IL

Duration: 2 hours

Type of Use: Handled through the use of radioactive check sources.

Isotope: Am 241

Maximum amount:

Where Experience was Gained: Savanna Army Depot Activity, Savanna, IL

Duration of Experience: 8 hours

Type of Use: Component part of chemical agent alarm.

Isotope: H3

Maximum amount:

Where Experience was Gained: Savanna Army Depot Activity, Savanna, IL

Duration of Experience: 4 hours.

Type of Use: Component part of gun.

CONTROL NO 83830

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