



Mrs. Peterson/pr/AV 793-2965

DEPARTMENT OF THE ARMY

HEADQUARTERS, US ARMY ARMAMENT, MUNITIONS AND CHEMICAL COMMAND
ROCK ISLAND, ILLINOIS 61299

REPLY TO
ATTENTION OF:

29 NOV 1984

AMSMC-SFS

AMCSF-P/84-0171

SUBJECT: Request for Amendment to Nuclear Regulatory Commission (NRC)
License BML 12-00722-13, Issued to HQ, AMCCOM

THRU: Commander
US Army Materiel Command
ATTN: AMCSF-P/84-0158

Navas 30 Nov 84

84

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TO: Director
US Nuclear Regulatory Commission
Division of Fuel Cycle and Material Safety
Office of Nuclear Material Safety and Safeguards
Washington, DC 20555

1. Request the following changes be made to our application for subject license dated 15 May 84:

a. Page 9-1. Change 16 hours listed in paragraph 3, line 1, to 8 hours.

b. Page 2-21. Add after fixed position (out of doors) the words "and indoors providing exit port filter is attached."

2. Change 1a is requested to bring training required by the license in line with present needs. The basis for lowering operator training is that some maintenance operations performed by the operator have been eliminated. The 2-hour block of radiation safety training will remain and be a portion of the 8 hours of training.

3. Change 1b is required to provide operational capability for indoor use providing the filter system is in place.

4. The filter system will attach to the exit port of the M43A1 unit. The filter system (drawings attached encl 1-3) employs an 0.2 micron teflon filter in a polypropylene holder which screws into the exit port of the M43A1. Filters with 0.2 micron pore size are used in medical applications to filter out 0.003 to 0.004 micron viruses. This filter was felt suitable, therefore, to adequately filter any particles of the Am-241 which might come from the source. The filter does not impair normal air flow through the M43A1 unit. (Encl 4)

8501220318 850102
NMS LIC30
12-00722-13 PDR

FEE EXEMPT

18442

29 NOV 1984

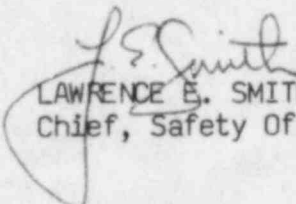
AMSMC-SFS

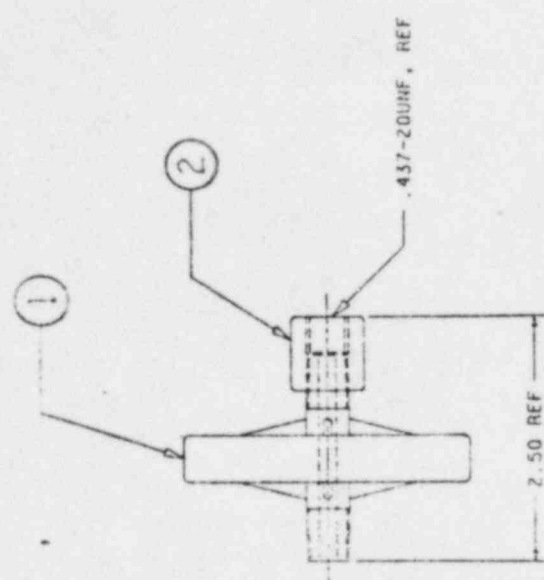
SUBJECT: Request for Amendment to Nuclear Regulatory Commission (NRC)
License BML 12-00722-13, Issued to HQ, AMCCOM

5. The point of contact at this headquarters for this amendment is
Mrs. Betty Peterson, AMSMC-SFS, commercial telephone (309) 794-2965 (FTS
367-2965).

FOR THE COMMANDER:

4 Encl
as


LAWRENCE E. SMITH
Chief, Safety Office



DIRECTION OF FLOW

- NOTES:
- THIS DRAWING SHALL BE INTERPRETED IN ACCORDANCE WITH APPLICABLE STANDARDS LISTED IN DOD-STD-100.
 - THE FOLLOWING ARE MANDATORY WHEN INDICATED BY ■
 - REMOVE BURRS □ BREAK SHARP EDGES .010 MAX
 - FILLETS .010 MAX R
 - ALL OVER, EXCEPT AS NOTED
 - DIMENSIONS APPLY AFTER PLATING
 - TOLERANCES ON STOCK MATERIAL SIZES, SHALL BE AS SPECIFIED IN APPLICABLE SPECIFICATIONS.
 - ANSI Y14.5-1982 APPLIES
 - ANSI A2.4-1979 APPLIES
 - REFER TO TH3-6665-312-30 & P AND TH3-6665-312-12 & P FOR USE

PARTS LIST		SPECIFICATION		ITEM NO.	
1	C5-15-12602	ADAPTER, FILTER			2
1	C5-15-12601	FILTER			1
QTY	DRAWING OR PART NO.	NOMENCLATURE	MATERIAL		
UNLESS OTHERWISE SPECIFIED	ORIGINAL DATE	22 OCT 84			
DIMENSIONS ARE IN INCHES	DESIGNED BY	C. DORAN			
TOLERANCES ON:	CHECKED BY				
2 PLACE DECIMALS ± .04	SUBMITTED				
3 PLACE DECIMALS ± .010	APPROVED				
FRACTIONS ± 1/16					
ANGLES ± 0° 30'					
MATERIAL					
END ITEM CODE NO					
Z07					

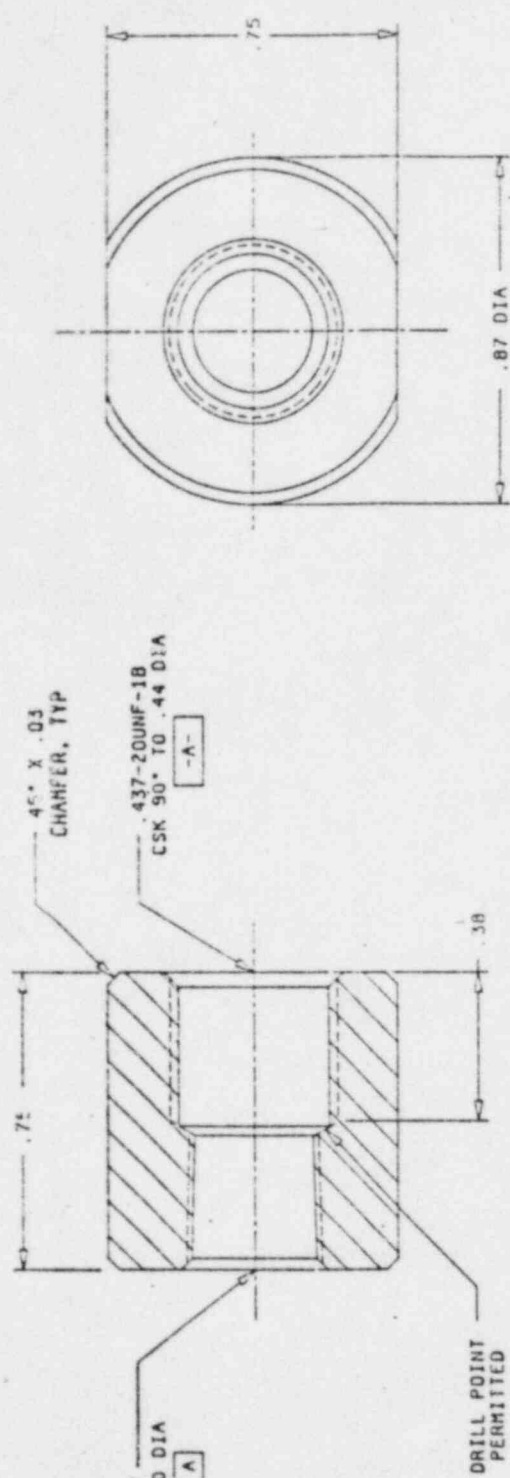
U.S. ARMY AGREEMENT IN SEARCH AND DEVELOPMENT COMMAND
CHEMICAL SYSTEMS LABORATORY
ABERDEEN PROVING GROUND, MARLBOROUGH, MASSACHUSETTS 01545

FILTER AND ADAPTER
ASSEMBLY

SPECIAL PURPOSE FOR M43A1 DETECTOR

CODE IDENT NO SIZE
81361 C C5-15-12603

SCALE 1/1 SHEET



MATERIAL:
PLASTIC, POLYAMIDE (NYLON) RIGID RODS OR
MOLDED PARTS, COMPOSITION POLYHEXAMETHYLENE
ADIPATE NYLON 6/61 HEAT STABILIZED,
COLOR NATURAL, PER SPEC L-P-410.
OR
NYLON INJECTION AND EXTRUSION MATERIALS,
PA113, PER ASTM D4066

- NOTES:
1. THIS DRAWING SHALL BE INTERPRETED IN ACCORDANCE WITH APPLICABLE STANDARDS LISTED IN DUD-STD-100.
 2. THE FOLLOWING ARE MANDATORY WHEN INDICATED BY ■
☐ REMOVE BURRS ☐ BREAK SHARP EDGES .010 MAX
☐ FILLETS .010 MAX R.
☒ 125° ALL OVER, EXCEPT AS NOTED
☐ DIMENSIONS APPLY AFTER PLATING
☐ TOLERANCES ON STOCK MATERIAL SIZES, SHALL BE AS SPECIFIED IN APPLICABLE SPECIFICATIONS.
☒ AMS X14.5-1982 APPLIES
☒ AMS A2.4-1979 APPLIES
☒ FED-STD-H2B-1979 APPLIES
 3. PART MAY BE MACHINED OR MOLDED.

QTY	DRAWING OR PART NO.	NOMENCLATURE	MATERIAL	SPECIFICATION	ITEM NO.
1	437-20UNF-18	ADAPTER, FILTER	NYLON 6/61	U.S. ARMY AIRCRAFT RESEARCH AND DEVELOPMENT COMMAND CHEMICAL SYSTEMS LABORATORY ATLANTA PROVEN GROUND, ATLANTA, 21110	81361 C
PARTS LIST					
22 OCT 84					
C. DURAN					
SUBMITTED					
APPROVED					
APPROVED BY: [Signature]					
SEE ABOVE					
END ITEM CODE NO.					
207					
CODE IDENT NO. 81361 C					
SCALE 4/1					
C5-15-12602					
SHEET					

NOTES: THIS DRAWING IS THE PROPERTY OF THE U.S. ARMY AIRCRAFT RESEARCH AND DEVELOPMENT COMMAND. IT IS TO BE USED FOR THE DESIGN AND CONSTRUCTION OF PARTS AND ASSEMBLIES ONLY. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM THE U.S. ARMY AIRCRAFT RESEARCH AND DEVELOPMENT COMMAND. THE U.S. ARMY AIRCRAFT RESEARCH AND DEVELOPMENT COMMAND ASSUMES NO LIABILITY FOR THE USE OF THIS DRAWING FOR ANY OTHER PURPOSES.

Encl 3

FILTER USE INSTRUCTIONS

The following information will be included in Technical Manuals to assure proper use of the filter:

The filter must be attached to the exit port of the M43A1 case when the M43A1 is used inside of buildings and shelters.

THIS FILTER DOES NOT ALLOW ANY USE OF THE M43A1 INSIDE MOVING VEHICLES.

A. Attachment of filter:

1. Remove exit port plug from back of M43A1 case.
2. Attach filter to case by screwing filter on to threaded exit port.

B. Duration of Use.

1. Filter may continue to be used until air flow is lowered to the level that the air flow meter no longer registers in the green zone.

C. Filter Removal and Disposal.

1. Remove filter under the supervision of the NBC NCO, Officer or local RPO.
2. Wear plastic gloves when removing filter.
3. Place filter in plastic bag with gloves and seal. Mark bag Radioactive waste-AM 241 less than 0.005 micro curies.
4. Wash hands.
5. Dispose of bagged filter/gloves as radioactive waste in accordance with AR 385-11.

*See Amended Instructions
received with letter dated
12/7/84.*

Encl 4

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