See attached form for additional information.

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 51-F-0019
CUSTOMER NUMBER: 452

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Us Army Edgewood Chemical Biological Ctr Bldg E3150 Attn: Amsrd-Ecb-Rt-Tv Aberdeen Prov Grnd, MD 21010

Telephone:

(b)(6), (b)(7)c

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

2			
2			
2			
2	10	94	106
			200
264	15	164	443
	- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1-		
0	0	144	144
8	274	147	429
	8	8 274	8 274 147

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual rese teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and ap Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary into brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

	The attending vectorization of an establishment and appropriate authority to ensure the provision of autopate veterinary care and to oversee the a	requacy or other aspects	or animar care and use.
	CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)		
\$	(b)(6), (b)(7)c	or Print)	DATE SIGNED
Αŀ		0.5000	

This form is intended as an aid to completing the Column E explanation. It is not an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

1.	Registration Number:	51-F-0019		
2.	94 (guinea pigs) /		s used in this study.	
3.	Species (common name) guin	nea pigs/rats of animals u	used in the study.	
4.	Explain the procedure producing p	ain and/or distress.		
co co st a	ompounds via the inhalation re oncentration and duration on t tudies designed to generate let	oute to establish relative the probability of toxic a thal dose-response cur ted animals would be ex	and lethal responses. Historically, in rves, it has been assumed that expected to die and that this level of	
5.	Provide scientific justification why patternine that pain and/or distress item 6 below)	pain and/or distress could s relief would interfere with	i not be relieved. State methods or means usen In test results. (For Federally mandated testing	d J,
th th re C	ne results of the proposed studine respiratory minute volume a eceives. In addition, the expre	dies due to the fact that and thus the dose of te ession of toxic signs ma suggest that chemical	igs during exposure may compromise at this class of compound may alter est compound that the animal ay be altered by such treatment. agent-induced convulsion and death	
6.	What, if any, federal regulations re (CFR) title number and the specific	equire this procedure? Cite c section number (e.g., AP	e the agency, the code of Federal Regulations PHIS, 9 CFR 113.102):	
	Agency	CEB		

to see

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1.	Registration Number:	51-F-0019	
2.	S4 (rats)	of anin	imals used in this study.
3.	Species (common name)	rats of anim	nals used in the study.
4.	Explain the procedure producing pa	n and/or distress.	
	Fifty-four (54) rats were tested interest. The materials were		sly untested chemicals of military utaneous route.
5.	Provide scientific justification why padetermine that pain and/or distress Item 6 below)	in and/or distress co elief would interfere	could not be relieved. State methods or means used e with test results. (For Federally mandated testing,
	Therefore, no analgesics are	required. Furthe sult in metabolic	aneous exposure to VX causes pain, nermore, the use of anesthetic or c byproducts that may interfere with,
6.	What, if any, federal regulations req (CFR) title number and the specific	vire this procedure? ection number (e.g.	? Cite the agency, the code of Federal Regulations g., APHIS, 9 CFR 113.102):
	Agency	CFR	

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1.	Registration Number:	51-F-001	19	
2.	Number164 (ra	bbits) / 144 (swine)	_of animals used in this study.	
3.	Species (common name)	rabbits/swine	of animals used in the study.	
4.	Explain the procedure prod	ducing pain and/or dis	stress.	
			one hundred forty-four (144) swine were tested itary interest. The materials were tested by	
5.	Provide scientific justification determine that pain and/or Item 6 below)	on why pain and/or dis distress relief would i	stress could not be relieved. State methods or means used interfere with test results. (For Federally mandated testing,	to see
	signs could not be aller collected were importa chemical; 2) to establi which therapy/prophyl	viated so that accu int for several reaso ish data to be used axis could be estab	ulsive seizures during the test – these severe toxic trate test data could be collected. The data ons: 1) to establish the toxicological profile of the if for human estimates; 3) to establish data from plished; and 4) data would be included in material tial users or in support to chemical staff in case of	
6.	What, if any, federal regula (CFR) title number and the	itions require this proc specific section numb	cedure? Cite the agency, the code of Federal Regulations ber (e.g., APHIS, 9 CFR 113.102):	
	Agency	CEB		

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1.	Registration Number:	51-F-0019	<u> </u>
2.	39 (rats) Number		of animals used in this study.
3.	Species (common name)	rats	_of animals used in the study.
4.	Explain the procedure producing pa	ain and/or dis	stress.
	Thirty-nine (39) rats were tes nterest. The materials were		previously untested chemicals of military intratracheal route.
5.	Provide scientific justification why p determine that pain and/or distress Item 6 below)	ain and/or di relief would	stress could not be relieved. State methods or means used to interfere with test results. (For Federally mandated testing, see
t t	At doses that result in toxic endevelop during or after exposions. Toxic signs are expense painful, they could cause to	effects (gas sure result ected to be some degr	which can potentially cause them distress. sping, bronchoconstriction), pain may ing from an injury or stress/irritation of relatively mild. While these should not be ree of distress. Pre-treating the animals with could potentially affect the BAL, or pathology
6.	What, if any, federal regulations rec (CFR) title number and the specific	quire this pro- section num	cedure? Cite the agency, the code of Federal Regulations ber (e.g., APHIS, 9 CFR 113.102):
	Agency	CED	