030-28689

## Trace Technologies, Inc.

P.O. Box 6817, 10 Radel Avenue Bridgewater, New Jersey 08807 Telephone (908) 685-2100

January 27, 1992

U.S. Nuclear Regulatory Commission Region I 415 Allendale Road King of Prussia, Pennsylvania

License No. 29-235335-01 Control No. 115059

Dear Gentlemen:

At this time we would like to report that the AID Electron Capture Detector under the above license has been transfered to RECON Systems, Inc., 5 Johnson Drive, P.O. Box 130, Raritan, New Jersey, 08869. Their license number is 29-18193-01, a copy is enclosed along with a letter verifying the change in ownership.

Very truly yours, TRACE TECHNOLOGIES, INC.

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Janet H. Leatherdale

Enclosure cc: Sandy Kimberly, License Fee Branch John Feeney, NJDEP, Bureau of Radiation

JHL:sn DCN:9201020

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## OFFICIAL RECORD COPY ML 10

ENVIRONMENTAL ENGINEERING, SAMPLING, & ANALYSIS N.J. D.E.P. CERTIFIED LAB NO. 18478

Telecopier: (908) 685-2219

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MATERIALS	LICENSE
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Amendment No. 07

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, 39, 40 and 70, and in reliance on statements and representations heretofore made by the licer see, 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 author zed 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 order: of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licancaa	· · · · · · · · · · · · · · · · · · ·
Lacensee .	In accordance with lefter dated
	Sentember 23, 1991
1. Recon Systems: Inc.	3. License number 20-19102-01 is amanded in
	its entirety to read as follows.
5 Johnson Brive	its entirely to read as forlows:
2. P 0 Box 130	
Raritan, New Jersey 08869-0130	4. Expiration date June 30 1994
	5 Docket or
	Reference No 030-14641
6. Byproduct, source, and/or 7 Chemical and	Voc physical 8. Maximum amount that licensee
special nuclear material form	may possess at any one time
	under this license
A. Hydrogen 3 A. Foil conta	ined in A. Not to exceed 200 milli-
Analytical	Instrument curies per foil and 1500
Developmen	t Model millicuries total
510-6007 d	etector cells
B. Nickel 63 B. Plated sour	rces or foils B. Not to exceed 20 milli-
	curies per foil and 200
	millicuries totall
9. Authorized use	. It
A. For use in gas chromatographs for sample	analysis.
B. For use in electron capture detectors in	gas chromatographs which are distributed
under a license issued by the Nuclear Re	gulatory Commission or an Agreement State.
	FX11F-10-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
CONDI 1.	luns
10. Licensed material may be used at 5 Johnse	n Drive Raritan New Jersey and at temporary
job sites of the licensee anywhere in the	Inited States where the ILS. Nurlear
Regulatory Commission maintains jurisdict	tion for regulating the use of licensed
material.	
11. A. Licensed material shall be used by.	or under the supervision of Join R. Geissier.
Robert M. Stelma, G. Stephen Hornber	ger, Patrick J. Mulroonev. Angelos
Zafirelis, Jamal Oghaz, Glenn D. Bu	ke and Saeid Rahimi.
B. The Radiation Safety Officer for the	is license is Robert M. Stelma.
12. Sealed sources or detector cells contain	ing licensed material shall not be
opened or sources removed from-source-ho	ders-or-detector cells by the licensee.
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	MATERIALS LICENSE SUPPLEMENTARY SHEET	29-18193-01 Docket of Reference number	-
		Amendment No. 07	
(Contin	ued) CONDITIONS	· · · · ·	
13. A.	Sealed sources and detector cells shall be contamination at intervals not to exceed 6 as are specified by the certificate of reg 10 CFR 32.210, not to exceed 3 years.	tested for leakage and/or months or at such other intervals istration referred to in	CEVER CONT
B.	Notwithstanding Paragraph A of this Conditional alpha particles shall be tested for leakage not to exceed 3 months.	ion, sealed sources designed to emit and/or contamination at intervals	
C.	In the absence of a certificate from a tran been made within six months prior to the tr cell received from another person shall not	isferor indicating that a test has ansfer; a sealed source or detector t be put into use until tested.	. U. U. A. A.
0.	Each sealed source fabricated by the licens construction defects, leakage, and contamir as a sealed source.	see shall be inspected and tested for nation prior to any use or transfer	
<b>E.</b>	Sealed sources and detectoricells need not	be leak tested if:	
·	(1) they contain only hydrogen 3; or 2.		
	(11) they contain only a gas; or		-
	(11) the nait-ifte of the isotoperts by day	/S Or (less; or -	
•	material or not more than 10 microcurs	es of alpha emitting material; or	
	(v) they are not designed to emit alpha pa being used. However, when they are re transfer to another person, and have n leak test_interval. they shall be test	rticles, are in storage, and are not moved from storage for use or ot been tested within the required ed before use or transfer. No.	A LEVEN
	sealed source or detector cell shall b 10 years without being tested for leak	e stored for a period of more than age and/or contamination.	TEN STATE
F.	The test shall be capable of detecting the radioactive material on the test sample. R kept in units of microcuries and shall be m Commission. If the test reveals the presen	presence of 0.005 microcurie of ecords of leak test results shall be aintained for inspection by the ce of 0.005 microcurie or more of	-
	Regulatory Commission and the source shall be decontaminated, repaired, or disposed of in regulations. The report shall be filed wit result is known with the U.S. Nuclear Regul	tiled with the U.S. Nuclear be removed from service and accordance with Commission hin 5 days of the date the leak test atory Commission, Region I, ATTN:	
	Chief, Nuclear Materials Safety Branch, 475 Pennsylvania 19406. The report shall speci	Allendale Road, King of Prussia, fy the source involved, the test	

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		License number		
•	MATERIALS LICENSE	29-18193-01		
		Docket or Reference number		
	SUPPLEMENTANT SHEET	030-14641		
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(13.	continued) COND	ITIONS		
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	G. The licensee is authorized to collect 1 Tracor Instruments Analytical Division. and/or contamination may be performed b Commission or an Agreement State to per	eak test samples for analysis by Alternatively, tests for leakage y persons specifically licensed by the form such services		
14.	In lieu of using the conventional radiation on yellow background) as provided in Section the licensee is hereby authorized to label d	caution colors (magenta or purple 20.203(a)(1), of 10 CFR Part 20, etector cells and cell baths,		
	containing licensed material and used in gas chromatography devices, with conspicuously etched or stamped radiation caution symbols without a color requirement.			
15.	Detector cells containing titanium tritide foil shall only be used in conjunction with a properly operating temperature control mechanism which prevents foil temperatures from exceeding 225 degrees Centigrade.			
16.	The licensee shall conduct a physical inventory every 6 months to account for all sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 5 years from the date of each inventory.			
17.	Maintenance, repair, cleaning, replacement and disposal of foils contained in detector cells shall be performed only by the device manufacturer or other persons specifically authorized by the Commission or an Agreement State to perform such services.			
18.	The licensee shall not acquire licensed material in a sealed source or in a device that contains a sealed source unless the source of device has been registered with the Nuclear Regulatory Commission under 10 CFR 32,210 or with an Agreement State.			
19.	Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents including any enclosures. listed below.			
••••••••••••••••••••••••••••••••••••••	The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations.			
	<ul> <li>A. Application <u>dated July 19, 1983</u></li> <li>B. Letter dated September 9, 1983</li> <li>C. Letter dated November 4, 1986</li> <li>D. Application dated September 22, 1988</li> </ul>	• • • • • • • • • • • • • • • • • • •		
	E. Letter dated March 8, 1989 F. Letter dated September 23, 1991			
	For	the U.S. Nuclear Regulatory Commission Original Signed By:		
Date	NOV 1 9 tagt By	JoAnn V. Stambaugh		



To Whom It May Concern:

This letter is to certify that on January 27, 1992, RECON SYSTEMS, Inc. of Raritan, New Jersey (NRC License# 29-18193-01) took over possession of an AID Model# 511-06 Electron Capture Detector (Serial# 105-035) from Trace Technologies of Bridgewater, New Jersey (NRC License# 29-23535-01).

January 27, 1992

Sincerely,

Robert M. Allme

Robert M. Stelma Senior Chemist

RMS/lej

 Connecticut
 203 293-1212

 Massachusetts
 508 752-4217

 New Hampshire
 603 431-7500

 Pennsylvania
 215 433-5511

Resource and Environment CONservation